

VTA's BART SILICON VALLEY— PHASE II EXTENSION PROJECT AIR QUALITY STUDY

PREPARED FOR:

Santa Clara Valley Transportation Authority
Federal Transit Administration



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Summary

This report provides an analysis of potential air quality and climate change impacts related to the Bay Area Rapid Transit (BART) Extension Phase II Project (Phase II Project or Project). All analyses have been conducted to comply with the requirements of the U.S.

Environmental Protection Agency (EPA), California Air Resources Board (CARB), Bay Area Air Quality Management District (BAAQMD), and the Cities of Santa Clara and San Jose for air quality and climate change assessments to satisfy the California Environmental Quality Act (CEQA), National Environmental Policy Act (NEPA), and Metropolitan Transportation Commission (MTC) Transportation Conformity Determination requirements.

The report findings are summarized below.

BART Extension Alternative

- Short-term construction emissions would exceed BAAQMD emissions thresholds for nitrogen oxides (NO_x) with and without implementation of mitigation measures.
- Long-term operational emissions would result in criteria pollutant and greenhouse gas (GHG) reductions and a regional air quality benefit.
- The BART extension would satisfy the federal Clean Air Act (CAA) requirement to demonstrate regional transportation conformity.
- Carbon monoxide emissions during long-term operations would not worsen existing or create new carbon monoxide hot-spots.
- Particulate matter emissions during long-term operations would not worsen existing or create new particulate matter hot-spots.
- It is anticipated that the BART Extension Alternative would increase ridership, thereby decreasing regional passenger vehicle miles traveled (VMT) through mode shift from private automobiles to transit. Operation of the BART Extension Alternative would increase electricity-related emissions. However, these emissions would be offset by benefits associated with vehicle mode shift. Accordingly, operation of the BART Extension Alternative would result in a long-term net reduction in GHG emissions.

BART Extension with Transit Orientated Joint Development (TOJD) Alternative

- Regional construction emissions would exceed BAAQMD emissions thresholds for reactive organic gases (ROG) and NO_x with and without implementation of mitigation.
- Construction-related toxic air contaminant (TAC) emissions would not exceed BAAQMD for carcinogenic and acute exposure thresholds with implementation of mitigation measures.
- Long-term operations would exceed BAAQMD emissions threshold for ROG with and without implementation of mitigation measures. The significant emissions would

primarily result from area source (e.g., consumer product use) emissions associated with TOJD.

- Carbon monoxide emissions during long-term operations would not worsen existing or create new carbon monoxide hot-spots.
- Particulate matter emissions during long-term operations would not worsen existing or create new particulate matter hot-spots.
- The Project would be consistent with regional and local air quality plans.
- Implementation of the BART Extension Alternative with TOJD Alternative would result in a regional mobile source GHG benefit by encouraging a modal shift from single-occupancy vehicles to transit. In addition, the mixed-used developments would locate infill residential, office, and retail development near transit lines that would be within walking distance and minimize automobile-dependent development. The BART Extension Alternative with TOJD Alternative would result in a net GHG reduction during 2025 Opening Year conditions. The BART Extension Alternative with TOJD Alternative would continue to reduce GHG emissions under 2035 Forecast Year conditions. It would also facilitate implementation of anticipated transit strategies adopted and recommended at the state level to reduce post-2020 emissions.
- The BART Extension with TOJD Alternative would result in a net increase in long-term (2035) GHG emissions. The TOJDs on their own would also not meet the substantial progress indicator, which was calculated based on the long-term GHG reduction goals. It is likely that once long-term state policies have been adopted to reduce GHG emissions, project-level emissions would be lower than those estimated in this document. However, specific project-level benefits of future state (or federal) policies are unknown and cannot be assumed at this time. Mitigation measures would reduce GHG emissions from the BART Extension with TOJD Alternative, but not to a net negative level.

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The Phase II Project consists of an approximately six-mile extension of the BART system from the terminus of VTA's BART Silicon Valley—Berryessa Extension Project (Phase I) from San Jose to Santa Clara (see Figure 1-1). Phase I is currently under construction and scheduled to be operational in late 2017. The Phase II Project would include approximately five miles of subway tunnel from Berryessa Station, continuing through downtown San Jose, and terminating at grade near the Santa Clara Caltrain Station (see Figure 1-2). In addition, four passenger stations are proposed. Passenger service on the Phase II Project is scheduled to begin in 2025/2026.

There are two construction methods proposed for the five-mile-long tunnel portion of the BART extension—the Twin-Bore and Single-Bore Options—between the East and West Tunnel Portals. Under the Twin-Bore Option, two twin-bore tunnels would be excavated with one track in each. Each tunnel bore would have an outer diameter of approximately 20 feet. The depth of the tunnel would be between 10 and 75 feet below ground surface. The crown, or top, of the tunnel of the Twin-Bore Option would be, on average, 40 feet below the surface. Under the Single-Bore Option, one large-diameter tunnel bore would be excavated which would contain both northbound and southbound tracks. The tunnel bore would have an outer diameter of approximately 45 feet. The crown, or top, of the tunnel of the Single-Bore Option would be, on average, 70 feet below the surface.

1.1 Alignment and Station Features by City

1.1.1 City of San Jose

1.1.1.1 Connection to Phase I Berryessa Extension

The BART extension would begin where the Phase I tail tracks end. The at-grade Phase I tail tracks would be partially removed to allow for construction of the bored tunnels, East Tunnel Portal, and supporting facilities.

The alignment would transition from a retained-fill configuration east of U.S. 101 and south of Mabury Road near the end of the Phase I alignment into a retained-cut configuration and enter the East Tunnel Portal just north of Las Plumas Avenue.

South of the portal, the alignment would pass beneath North Marburg Way, then approximately 25 feet below the creek bed of Lower Silver Creek for the Twin-Bore Option, or approximately 30 feet for the Single-Bore Option, just to the east of U.S. 101, then curve under U.S. 101 south of the McKee Road overpass, and enter Alum Rock/28th Street Station.

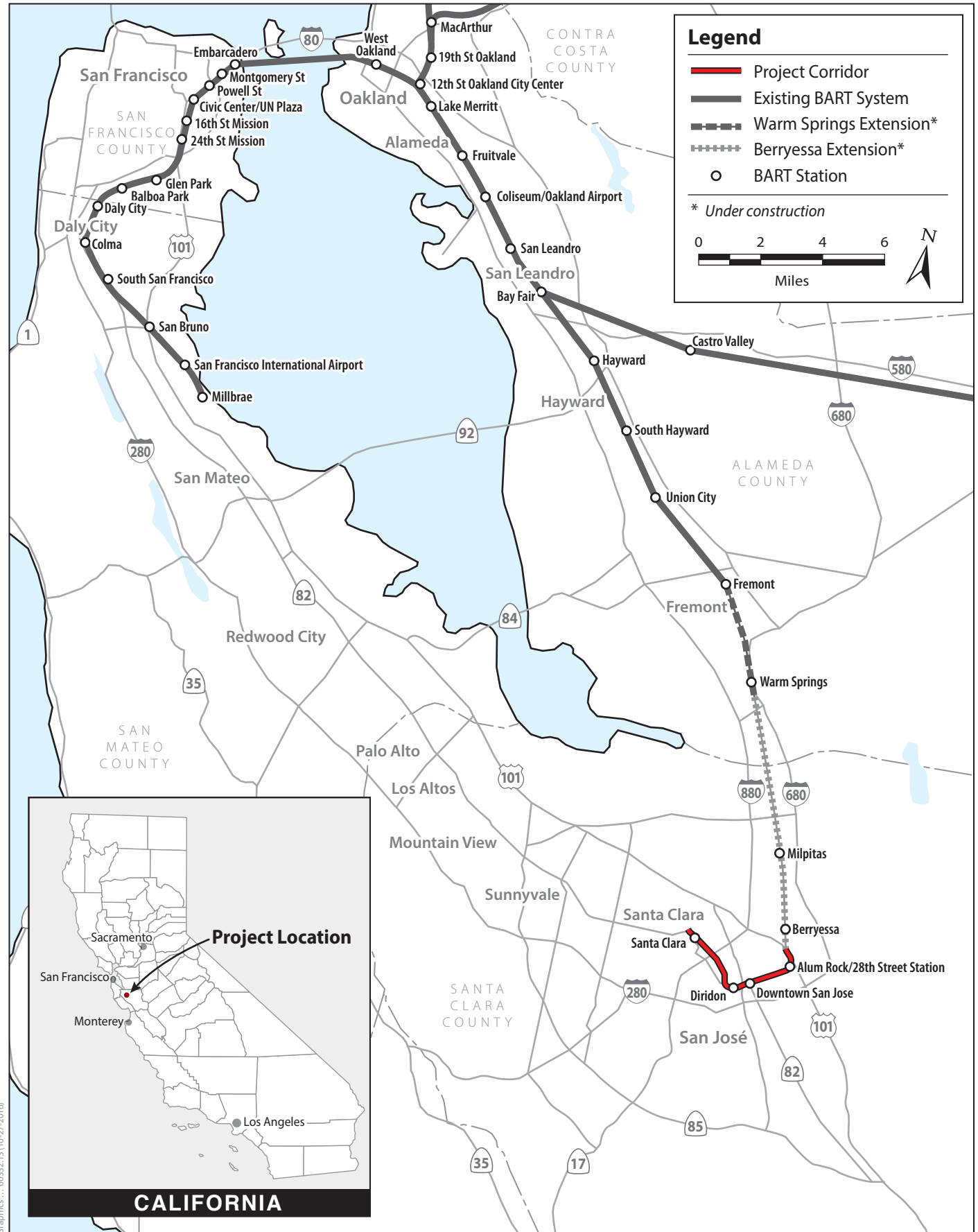
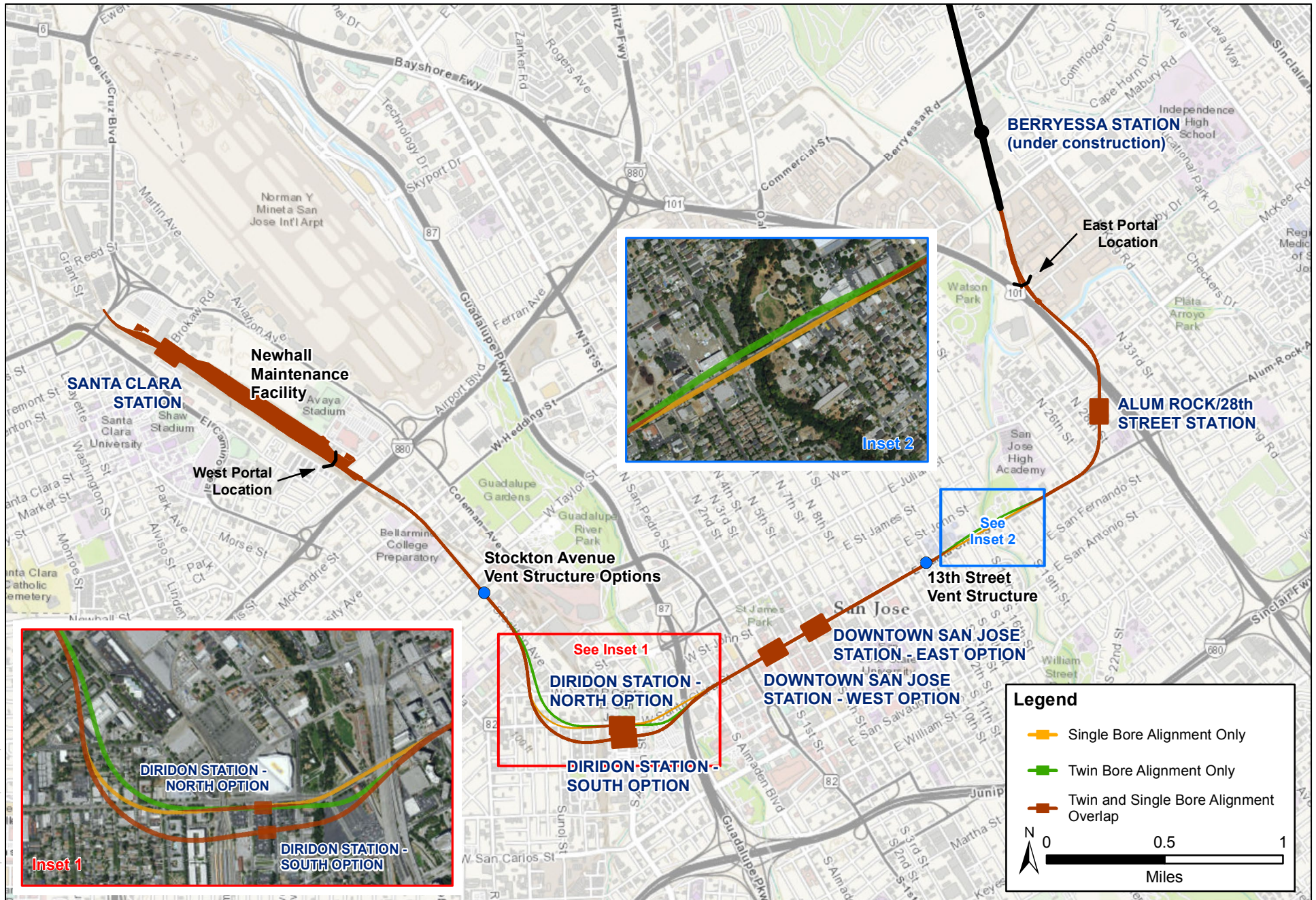


Figure 1-1
Regional Location
 VTA's BART Silicon Valley-Phase II Extension Project



GIS -> Graphics... 0033213 (10-27-2016)

Source: Station and Track, VTA 2014; Basemap, ESRI 2015

Figure 1-2
BART Extension Alternative
 VTA's BART Silicon Valley – Phase II Extension Project

1.1.1.2 Alum Rock/28th Street Station

Alum Rock/28th Street Station would be located between U.S. 101 and North 28th Street and between McKee Road and Santa Clara Street. The station would be underground with street-level entrance portals with elevators, escalators, and stairs covered by canopy structures. In general, each station would have a minimum of two entrances. A parking structure of up to seven levels would accommodate BART park-and-ride demand with 1,200 parking spaces. The station would include systems facilities both above and below ground.

From Alum Rock/28th Street Station, the alignment would curve under North 28th Street, North 27th Street, and North 26th Street before aligning under Santa Clara Street. The alignment would continue under the Santa Clara Street right-of-way (ROW) until the alignment approaches Coyote Creek.

1.1.1.3 Tunnel Alignment near Coyote Creek

For the Twin-Bore Option, the alignment would transition north of Santa Clara Street beginning just west of 22nd Street and pass approximately 20 feet beneath the creekbed of Coyote Creek to the north of Santa Clara Street and avoid the Coyote Creek/Santa Clara Street bridge foundations. The alignment would transition back into the Santa Clara Street ROW near 13th Street, west of Coyote Creek. However, for the Single-Bore Option, the alignment would continue directly under Santa Clara Street and pass approximately 55 feet beneath the creekbed of Coyote Creek and approximately 20 feet below the existing bridge foundations.

1.1.1.4 13th Street Ventilation Structure

A systems facility site would be located at the northwest corner of Santa Clara and 13th Streets. This site would include a tunnel ventilation structure, which would be an aboveground structure with an associated ventilation shaft.

1.1.1.5 Downtown San Jose Station

There are two station location options for the Downtown San Jose Station: the Downtown San Jose Station East Option and the Downtown San Jose Station West Option, as described in detail below. The alignment for this area would be the same irrespective of the station option.

The station would consist of boarding platform levels and systems facilities aboveground and within the tunnel beneath Santa Clara Street, as well as entrances at street level. In general, each station would have a minimum of two entrances. Elevators, escalators, and stairs that provide pedestrian access to the mezzanine would be at station portal entrances. Escalators and stairs would be covered by canopy structures. The station would not have dedicated park-and-ride facilities. Under either Downtown San Jose Station Option, streetscape improvements, guided by San Jose's Master Streetscape Plan, would be provided along Santa

Clara Street to create a pedestrian corridor. For the East Option, streetscape improvements would be between 7th and 1st Streets; for the West Option, streetscape improvements would be between 4th and Market Streets.

Downtown San Jose Station East Option

The alignment would continue beneath Santa Clara Street to the Downtown San Jose Station East Option. Under the Twin-Bore Option, crossover tracks would be located east of the Downtown San Jose Station between 7th and 5th Streets (within the cut-and-cover box). Under the Single-Bore Option, the crossover tracks would be located east of the station between 9th and 5th Streets.

Downtown San Jose Station West Option

The alignment would continue beneath Santa Clara Street to the Downtown San Jose Station West Option. Crossover tracks for the Twin-Bore Option would be located east of the Downtown San Jose Station between 2nd and 4th Streets (within the cut-and-cover box). Under the Single-Bore Option, the crossover tracks would be located east of the station between 7th and 2nd Streets.

1.1.1.6 Tunnel Alignment into Diridon Station

There are two station location options at Diridon Station: the Diridon Station South Option and the Diridon Station North Option, as described in detail below. The alignment into Diridon Station varies between the North and South Options and between the Twin-Bore and Single-Bore Tunnel Options as described below.

Tunnel Alignment into Diridon Station South Option

The alignment would continue beneath Santa Clara Street from the Downtown San Jose Station and shift south beginning just west of South Almaden Boulevard to pass between the SR 87 bridge foundations. For the Twin-Bore Option, the alignment would pass 40 feet below the riverbed of the Guadalupe River and a retaining wall west of the river, and over 20 feet below the creekbed of Los Gatos Creek. For the Single-Bore Option, the alignment would pass 50 feet below the riverbed of the Guadalupe River, the retaining wall, and the creekbed of Los Gatos Creek. After passing under Los Gatos Creek, the alignment for both options would enter the Diridon Station between Los Gatos Creek and Autumn Street.

Tunnel Alignment east of Diridon Station North Option

Under the Twin-Bore Option, the alignment would continue beneath Santa Clara Street from the Downtown San Jose Station and shift south beginning just west of South Almaden Boulevard to pass between the SR 87 bridge foundations. The alignment would then pass 45 feet below the riverbed of the Guadalupe River and a retaining wall, then veer back north to a location just south of and adjacent to Santa Clara Street. The alignment passes 25 feet below the creekbed of Los Gatos Creek. After passing under Los Gatos Creek, the alignment

would enter Diridon Station under Autumn Street and directly south of Santa Clara Street. The Diridon Station North Option is closer to Santa Clara Street in comparison to the South Option.

Under the Single-Bore Option, the alignment would continue beneath Santa Clara Street, continue 50 feet below the riverbed of the Guadalupe River and 50 feet below the creekbed of Los Gatos Creek. After passing under Los Gatos Creek, the alignment would shift north and enter Diridon Station between Autumn and Montgomery Streets, directly south of Santa Clara Street. The Diridon Station North Option is closer to Santa Clara Street in comparison to the South Option.

1.1.1.7 Diridon Station

There are two station location options for the Diridon Station: the Diridon Station South Option and the Diridon Station North Option. The alignment varies by station location. Diridon Station would be generally located between Los Gatos Creek to the east, the San Jose Diridon Caltrain Station to the west, Santa Clara Street to the north, and West San Fernando Street to the south. The South Option would be located midway between Santa Clara Street and Stover Street. The North Option would be located adjacent to, and just south of, Santa Clara Street.

The station would consist of a boarding platform level, a mezzanine level, and entrances at street-level portals. The station would have a minimum of two entrances. Entrances would have elevators, escalators, and stairs covered by canopy structures. Systems facilities would be located aboveground and underground at each end of the station.

An existing VTA bus transit center would be reconfigured for better access and circulation to accommodate projected bus and shuttle transfers to and from the BART station. Kiss-and-ride facilities would be located along Cahill Street. No park-and-ride parking would be provided at this station.

Tunnel Alignment West of Diridon Station North Option

For the South Option, west of the station, the alignment for both the Twin-Bore and Single-Bore Options would continue beneath the Diridon Caltrain Station train tracks and White Street. The alignment would then turn towards the north, crossing under The Alameda at Cleaves Avenue and under West Julian Street at Morrison Avenue before aligning under Stockton Avenue.

Under the Diridon Station North Option and Twin-Bore Option, west of the station, the alignment would continue beneath the Diridon Caltrain Station train tracks and White Street. The alignment would then turn towards the north, crossing under The Alameda at Wilson Avenue and under West Julian Street at Cleaves Street before aligning under Stockton Avenue.

Under the Diridon Station North Option and Single-Bore Option, west of the station, the alignment would continue under White and Bush Streets south of The Alameda. The alignment would then turn towards the north, crossing under The Alameda at Sunol Street and under West Julian Street at Morrison Avenue before aligning under Stockton Avenue.

1.1.1.8 Tunnel Alignment Along Stockton Avenue

Around Pershing Avenue, all of the options—the Twin-Bore and Single-Bore Options and the Diridon Station South and North Options—converge back onto the same alignment under Stockton Avenue.

1.1.1.9 Stockton Avenue Ventilation Structure

On the east side of Stockton Avenue between Schiele Avenue and West Taylor Street, there are three alternate locations for a systems facility site that would house a tunnel ventilation structure, which would be an aboveground structure with an associated ventilation shaft.

1.1.1.10 Tunnel Alignment near I-880

The alignment would continue north and cross under the Caltrain tracks and Hedding Street. The alignment would continue on the east side of the Caltrain tracks and cross under Interstate (I-) 880 before ascending and exiting the West Tunnel Portal near Newhall Street.

1.1.2 City of Santa Clara

The BART Extension Alternative in Santa Clara would consist of the Newhall Maintenance Facility, system facilities, storage tracks for approximately 200 BART revenue vehicles (passenger cars), the Santa Clara Station, and tail track. The San Jose/Santa Clara boundary is located approximately midway through the Newhall Maintenance Facility.

1.1.2.1 Newhall Maintenance Facility

The Newhall Maintenance Facility would begin north of the West Tunnel Portal at Newhall Street in San Jose and extend to Brokaw Road near the Santa Clara Station in Santa Clara. A single tail track would extend north from the Santa Clara Station and cross under the De La Cruz Boulevard overpass and terminate on the north side of the overpass. The maintenance facility would serve two purposes: (1) general maintenance, running repairs, and storage of up to 200 BART revenue vehicles and (2) general maintenance of non-revenue vehicles. The facility would also include maintenance and engineering offices and a yard control tower. Several buildings and numerous transfer and storage tracks would be constructed.

1.1.2.2 Santa Clara Station

The closest streets to the Santa Clara Station would be El Camino Real to the southwest, De La Cruz Boulevard to the northwest, and Coleman Avenue to the northeast near the

intersection of Brokaw Road. The station would be at grade, centered at the west end of Brokaw Road, and would contain an at-grade boarding platform with a mezzanine one level below. Access to the mezzanine would be provided via elevators, escalators, and stairs covered by canopy structures. An approximately 240-foot-long pedestrian tunnel would connect from the mezzanine level of the BART station to the Santa Clara Caltrain plaza, and an approximately 175-foot-long pedestrian tunnel would connect from the mezzanine level to a new BART plaza near Brokaw Road. Kiss-and-ride, bus, and shuttle loading areas would be provided on Brokaw Road.

A parking structure of up to five levels would be located north of Brokaw Road and east of the Caltrain tracks within the station area and would accommodate 500 BART park-and-ride parking spaces in addition to public facilities on the site.

An approximately 150-foot-high radio tower and an associated equipment shelter would be located within the systems site.

1.2 VTA's Transit-Oriented Joint Development (CEQA Only)

VTA is proposing to construct Transit-Oriented Joint Development (TOJD) with office, retail, and residential land uses at the four BART stations (Alum Rock/28th Street, Downtown San Jose, Diridon, and Santa Clara), which offers the benefit of encouraging transit ridership. VTA is also proposing to construct TOJD at two mid-tunnel ventilation structure locations (the northwest corner of Santa Clara and 13th Streets and east of Stockton Avenue south of Taylor Street). VTA's primary objective for the proposed TOJD is to encourage transit ridership and support land use development patterns that make the most efficient and feasible use of existing infrastructure and public services while promoting a sense of community as envisioned by the San Jose and Santa Clara General Plans and relevant adopted specific plans. Estimates for VTA's TOJD at the station sites and at the mid-tunnel ventilation structure locations are provided below and are based on current San Jose and Santa Clara general plans, approved area plans, the existing groundwater table constraints, and market conditions.

Table 1-1 summarizes the land uses at each proposed TOJD location. The number of parking spaces is based on meeting with the Cities of San Jose and Santa Clara parking requirements.

Table 1-1: Summary of Proposed TOJD

Location	Residential (dwelling units)	Retail (square feet)	Office (square feet)	Parking (spaces)
Alum Rock/28 th Street Station	275	20,000	500,000	2,150
Santa Clara and 13 th Streets Ventilation Structure	N/A	13,000	N/A	N/A
Downtown San Jose Station – East Option (at 3 sites)	N/A	160,000	303,000	1,398
Downtown San Jose Station – West Option	N/A	10,000	35,000	128
Diridon Station – South Option	N/A	72,000	640,000	400
Diridon Station – North Option	N/A	72,000	640,000	400
Stockton Ventilation Structure	N/A	15,000	N/A	N/A
Santa Clara Station	220	30,000	500,000	2,200

2.1 Introduction

The federal and state governments have established National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) for six criteria pollutants: ozone, carbon monoxide (CO), lead (Pb), nitrogen dioxide (NO₂), sulfur dioxide (SO₂), and particulate matter (PM), which consists of PM that is 10 microns in diameter or less (PM₁₀) and PM that is 2.5 microns in diameter or less (PM_{2.5}). Effective October 1, 1993, the California Air Resources Board (CARB) required a new sulfur limit of 0.05 percent (500 parts per million) termed “low sulfur” diesel fuel, which is applicable to both highway and off-road vehicles. The new low sulfur diesel fuel led to negligible SO₂ emissions as compared to emissions of other criteria pollutants such as nitrogen oxides (NO_x) and CO. The proposed project is not considered a significance source of SO₂ emissions. In addition, the local air district does not consider SO₂ to be a pollutant of concern in the San Francisco Bay Area Air Basin (SFBAAB). The primary pollutants of concern for the BART Extension Alternative are ozone, CO, PM, and NO₂, which is assessed as NO_x. The primary pollutants of concern in the Project area are ozone, CO, and PM. TAC/Mobile Source Air Toxics (MSAT) and GHG are also discussed and no federal or state air quality standards exist for these pollutants. Principle characteristics surrounding these pollutants are discussed below.

2.1.1 Carbon Monoxide

CO is a colorless, odorless gas, is emitted from combustion processes. In urban areas, the majority of CO emissions to ambient air come from mobile sources. CO can cause harmful health effects by reducing oxygen delivery to the body's organs (like the heart and brain) and tissues.

2.1.2 Ozone

Ground-level ozone is not emitted directly into the air, but is created by chemical reactions between NO_x and volatile organic compounds (VOC)/reactive organic gases (ROG) in the presence of sunlight. Emissions from industrial facilities and electric utilities, motor vehicle exhaust, gasoline vapors, and chemical solvents are some of the major sources of NO_x and VOC. Breathing ozone can trigger a variety of health problems, particularly for children, the elderly, and people of all ages who have lung diseases such as asthma. Ground-level ozone can also have harmful effects on sensitive vegetation and ecosystems.

2.1.3 Particulate Matter

PM is a complex mixture of extremely small particles and liquid droplets. Particle pollution is made up of a number of components, including acids (such as nitrates and sulfates), organic chemicals, metals, and soil or dust particles. The size of particles is directly linked to their potential for causing health problems. EPA is concerned about particles that are 10 micrometers in diameter or smaller because those are the particles that generally pass through the throat and nose and enter the lungs. Once inhaled, these particles can affect the heart and lungs and cause serious health effects. EPA groups particle pollution into two categories. Inhalable coarse particles include PM₁₀, and fine particles include PM_{2.5}. These particles can be directly emitted from sources such as forest fires, or they can form when gases emitted from power plants, industries, and automobiles react in the air.

Numerous scientific studies have linked particle pollution exposure to a variety of problems, including premature death in people with heart or lung disease, nonfatal heart attacks, irregular heartbeat, aggravated asthma, decreased lung function, and increased respiratory symptoms, such as irritation of the airways, coughing, or difficulty breathing. People with heart or lung diseases, children, and older adults are the most likely to be affected by particle pollution exposure. However, even someone who is healthy may experience temporary symptoms from exposure to elevated levels of particle pollution.

2.1.4 Toxic Air Contaminants/Mobile Source Air Toxics

Many pollutants are identified as TACs because of their potential to increase the risk of developing cancer or because of their acute or chronic health risks. For TACs that are known or suspected carcinogens, CARB has consistently found that there are no levels or thresholds below which exposure is risk-free. Individual TACs vary greatly in the risks they present. At a given level of exposure, one TAC may pose a hazard that is many times greater than another. TACs are identified and their toxicity is studied by the California Office of Environmental Health Hazard Assessment. TACs are a category of air pollutants that have been shown to have an impact on human health but are not classified as criteria pollutants.

Air toxics are generated by a number of sources, including stationary sources (e.g., dry cleaners, gas stations, auto body shops, and combustion sources), mobile sources (e.g., diesel trucks, ships, and trains), and area sources (e.g., farms, landfills, and construction sites). Ten TACs have been identified through ambient air quality data as posing the greatest health risks in California. Adverse health effects of TACs can be carcinogenic (cancer-causing), short-term (acute) noncarcinogenic, and long-term (chronic) noncarcinogenic. Direct exposure to these pollutants has been shown to cause cancer, birth defects, damage to the brain and nervous system, and respiratory disorders.

EPA has identified a group of 93 compounds that are emitted from mobile sources and listed them in its Integrated Risk Information System. From this list of 93 compounds, EPA has identified seven as priority MSATs: acrolein, benzene, 1,3-butadiene, diesel particulate

matter/diesel exhaust organic gases, formaldehyde, naphthalene, and polycyclic organic matter.

2.1.5 Greenhouse Gases

GHG emissions refer to a group of emissions that are generally believed to affect global climate conditions. The greenhouse effect compares the Earth and the atmosphere surrounding it to a greenhouse with glass panes. The glass panes in a greenhouse let heat from sunlight in and reduce the amount of heat that escapes. GHGs, as defined in accordance with Section 19(i) of Executive Order (EO) 13514 (Focused on Federal Leadership in Environmental, Energy, and Economic Performance), include carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. These GHGs, in addition to water vapor, keep the average surface temperature of the Earth close to 60 degrees Fahrenheit (°F).

CO₂ is the most abundant pollutant that contributes to climate change through fossil fuel combustion. The other GHGs are less abundant but have higher global warming potential than CO₂. To account for this higher potential, emissions of other GHGs are frequently expressed in the equivalent mass of CO₂, denoted as CO_{2e}.

2.2 Federal Air Quality Regulations

2.2.1 United States Environmental Protection Agency

The Clean Air Act (CAA) governs air quality in the United States. EPA is responsible for enforcing the CAA. EPA is also responsible for establishing the NAAQS. NAAQS are required under the 1977 CAA and subsequent amendments. EPA regulates emission sources that are under the exclusive authority of the federal government, such as aircraft, ships, and certain types of locomotives. EPA has jurisdiction over emission sources outside state waters (e.g., beyond the outer continental shelf) and establishes various emission standards, including those for vehicles sold in states other than California. It also establishes various emission standards, including those for vehicles sold in states other than California. Automobiles sold in California must meet stricter emission standards, which are established by CARB.

The CAA requires EPA to designate areas as *attainment*, *nonattainment*, or *maintenance* (previously nonattainment and currently attainment) with regard to each criteria pollutant based on whether the NAAQS have been achieved. Table 2-1 summarizes both federal and state standards (state standards further discussed below). The attainment status of the Project area with respect to the NAAQS and CAAQS is also presented.

Table 2-1: Federal and State Air Quality Standards and Attainment Status, San Francisco Bay Area

Pollutant	Averaging Period	Federal (NAAQS)		California (CAAQS)	
		Standards	Attainment Status	Standards	Attainment Status
Ozone	1-hour	No federal standard	No federal standard	0.09 ppm (180 µg/m³)	Nonattainment
	8-hour	0.070 ppm (137 µg/m³)	Nonattainment	0.070 ppm (137 µg/m³)	Nonattainment
Respirable Particulate Matter (PM ₁₀)	24-hour	150 µg/m³	Unclassified	50 µg/m³	Nonattainment
	Annual Arithmetic Mean	No federal standard	No federal standard	20 µg/m³	Nonattainment
Fine Particulate Matter (PM _{2.5})	24-hour	35 µg/m³	Nonattainment	No state standard	No state standard
	Annual Arithmetic Mean	12.0 µg/m³	Unclassified	12 µg/m³	Nonattainment
Carbon Monoxide	8-hour	9 ppm (10 mg/m³)	Attainment/Maintenance	9.0 ppm (10 mg/m³)	Attainment
	1-hour	35 ppm (40 mg/m³)	Attainment/Maintenance	20 ppm (23 mg/m³)	Attainment
Nitrogen Dioxide	Annual Arithmetic Mean	53 ppb (100 µg/m³)	Attainment	0.030 ppm (57 µg/m³)	Attainment
	1-hour	100 ppb (188 µg/m³)	Unclassified	0.18 ppm (339 µg/m³)	Attainment
Sulfur Dioxide	24-hour	0.14 ppm (365 µg/m³)	Attainment	0.04 ppm (105 µg/m³)	Attainment
	1-hour	75 ppb (196 µg/m³)	Attainment	0.25 ppm (655 µg/m³)	Attainment
Lead	30-day average	--	Attainment	1.5 µg/m³	Attainment
	Calendar Quarter	1.5 µg/m³	Attainment	No state standard	No state standard
	Rolling 3-Month Average	0.15 µg/m³	--	No state standard	No state standard
Visibility Reducing Particles	8-hour	No federal standard		Extinction coefficient of 0.23 per kilometer	Unclassified

Pollutant	Averaging Period	Federal (NAAQS)		California (CAAQS)	
		Standards	Attainment Status	Standards	Attainment Status
Sulfates	24-hour	No federal standard		25 µg/m ³	Attainment
Hydrogen Sulfide	1-hour	No federal standard		0.03 ppm (42 µg/m ³)	Unclassified
Source: CARB. Ambient Air Quality Standards, and Attainment Status. November 1, 2015. µg/m ³ = micrograms per cubic meter; ppb = parts per billion; ppm = parts of million					

2.2.2 Transportation Conformity

CAA Section 176(c)(1) (U.S. Code, Title 42, Section 7506) states that “No department, agency, or instrumentality of the Federal Government shall engage in, support in any way or provide financial assistance for, license or permit, or approve, any activity which does not conform to an implementation plan after it has been approved or promulgated...”

A transportation conformity analysis is required to ensure that federally supported highway and transit project activities are consistent with the purpose of the State Implementation Plan (SIP). Conformity with the CAA takes place on two levels—first, at the regional level and second, at the project level. The proposed project must conform at both levels to be approved.

2.2.3 Mobile Source Air Toxics

The CAA made controlling air toxic emissions a national priority; therefore, Congress mandated that EPA regulate 188 air toxics. These substances are also known as hazardous air pollutants (HAPs). In its latest rule on the control of HAPs from mobile sources (*72 Federal Register* 8430), EPA identified a group of 93 compounds that are emitted from mobile sources and listed them in its Integrated Risk Information System. From this list of 93 compounds, EPA identified seven as priority MSATs: acrolein, benzene, 1,3-butadiene, diesel particulate matter/diesel exhaust organic gases, formaldehyde, naphthalene, and polycyclic organic matter. The high regulation priority of these seven MSATs was based on EPA’s 1999 National Air Toxics Assessment.

In March 2001, EPA issued regulations requiring the producers of urban air toxics to decrease emissions of these pollutants by target dates in 2007 and 2020. As a result, on-highway emissions of benzene, formaldehyde, 1,3-butadiene and acetaldehyde will be reduced by amounts ranging from 67 to 76 percent between 1990 and 2020. On-highway diesel particulate matter (DPM) emissions will be reduced by 90 percent. These reductions are expected as a result of the national mobile source control programs listed below.

- Reformulated gasoline program.
- New threshold for the toxic content of gasoline.
- National low-emission vehicle standards.
- Tier 2 motor vehicle emissions standards and gasoline sulfur control requirements.
- Heavy-duty engine and vehicle standards and on-highway diesel fuel sulfur control requirements.

The predicated improvements are net emission reductions, which will be experienced even after vehicle miles traveled (VMT) is taken into account.

2.2.4 Federal Greenhouse Gas Regulations

Relevant to GHG emissions and climate change, NEPA recognizes “the profound impact of man’s activity on the interrelations of all components of the natural environment.” (U.S. Code, Title 42, Section 4331). It was enacted to “promote efforts which will prevent or eliminate damage to the environment and biosphere and stimulate the health and welfare of man.” (U.S. Code, Title 42, Section 4321). In December 2009, the EPA Administrator signed two distinct findings regarding GHGs under Section 202(a) of the CAA. The *Endangerment Finding* found that the current and projected concentrations of the six key GHGs (i.e., CO₂, CH₄, nitrous oxides, hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride) in the atmosphere threaten the health and welfare of current and future generations. The *Cause or Contribute Finding* found that the combined emissions of these GHGs from new motor vehicles and motor vehicle engines contribute to GHG pollution, which threatens public health and welfare. These findings were necessary prerequisites for implementing GHG emissions standards for vehicles. In collaboration with the National Highway Traffic Safety Administration, EPA finalized emissions standards for light-duty vehicles (2012–2016 model years) in May 2010 and heavy-duty vehicles (2014–2018 model years) in August 2011.

On August 1, 2016, the Council on Environmental Quality (CEQ) released revised final guidance that describes how federal departments and agencies should consider the effects of GHG emissions and climate change in their NEPA reviews (CEC 2016). The final guidance is designed to allow decision makers and the public to fully understand the potential climate impacts of federal actions and, in turn, assist agencies in comparing alternatives and considering measures to mitigate the impacts of climate change. In addition to providing agencies with a reasoned approach as to how to describe climate change impacts, the guidance offers the following.

- Advises agencies to quantify projected GHG emissions of proposed federal actions whenever the necessary tools, methodologies, and data inputs are available.
- Encourages agencies to draw on their experience and expertise to determine the appropriate level (broad, programmatic or project- or site-specific) and the extent of quantitative or qualitative analysis required to comply with NEPA.
- Counsels agencies to consider alternatives that would make the action and affected communities more resilient to the effects of a changing climate.
- Reminds agencies to use existing information and science when assessing proposed actions.

The federal guidance provides a common approach for assessing actions, while recognizing each agency's unique circumstance and authority. Agencies have discretion in how they tailor their individual NEPA reviews to accommodate the final guidance. The final guidance does not create new or additional regulatory requirements or NEPA implementing procedures.

Importantly, the final guidance does not include a quantitative emissions limit that could be used to identify potential adverse effects.

Published on June 10, 2015, EO 13693, Planning for Federal Sustainability in the Next Decade, revokes multiple prior EOs and memorandum, including EO 13514. The goal of EO 13693 is to maintain federal leadership in sustainability and GHG emission reductions. The new EO outlines forward-looking goals for federal agencies in the area of energy, climate change, water use, vehicle fleets, construction, and acquisition. Federal agencies must, where life-cycle cost-effective, beginning in 2016 do the following.

- Reduce agency building energy intensity (as measured in British thermal units per square foot) by 2.5 percent annually through 2025.
- Improve data center energy efficiency at agency buildings.
- Ensure a minimum percentage of total building electric and thermal energy is from clean energy sources.
- Improve agency water use efficiency and management (including stormwater management).
- Improve agency fleet and vehicle efficiency and management by achieving minimum percentage GHG emission reductions.

2.3 State Air Quality Regulations

2.3.1 California Air Resources Board

In addition to being subject to the requirements of CAA, air quality in California is governed by more stringent regulations under the California Clean Air Act (California CAA). The California CAA is administered by CARB at the state level and by the air quality management districts and air pollution control districts at the regional and local levels. CARB is responsible for meeting the state requirements of the CAA, administering the California CAA, and establishing the CAAQS. The California CAA requires all air districts in the state to endeavor to achieve and maintain the CAAQS, which are generally more stringent than the corresponding federal standards and incorporate additional standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. CARB is responsible for setting emission standards for vehicles sold in California and for other emission sources, such as consumer products and certain off-road equipment. For example, CARB established passenger vehicle fuel specifications. CARB oversees the functions of local air pollution control districts and air quality management districts, which, in turn, administer air quality activities at the regional and county levels. Table 2-1 summarizes state standards.

The California CAA requires CARB to designate areas within California as either attainment or non-attainment for each criteria pollutant based on whether the CAAQS have been achieved. Under the California CAA, areas are designated as nonattainment for a pollutant if air quality data shows that a state standard for the pollutant was violated at least once during the previous 3 calendar years. Exceedances that are affected by highly irregular or infrequent events are not considered violations of a state standard and are not used as a basis for designating areas as nonattainment.

2.3.2 State Toxic Air Contaminant Programs

California regulates TACs primarily through the Tanner Air Toxics Act (Assembly Bill [AB] 1807) and the Air Toxics Hot-Spots Information and Assessment Act (AB 2588).

AB 1807 sets forth a formal procedure for CARB to designate substances as TACs. This includes research, public participation, and scientific peer review before CARB can designate a substance as a TAC. To date, CARB has identified over 21 TACs, including diesel exhaust particulate. Once a TAC is identified, CARB then adopts air toxics control measures (ATCM) for sources that emit that particular TAC.

None of the TACs identified by CARB have a safe threshold; exposure to these TACs is therefore considered in terms of long-term elevated health risk.

AB 2588 requires the following of existing facilities that emit toxic substances above specified levels.

- Prepare a toxic emission inventory.
- Prepare a risk assessment if emissions are significant.
- Notify the public of significant risk levels.
- Prepare and implement risk reduction measures.

CARB has adopted diesel exhaust control measures and more stringent emission standards for various on-road mobile sources of emissions, including transit buses and certain other diesel-powered equipment.

Over time, the replacement of older vehicles will result in a vehicle fleet that produces fewer TACs compared with current conditions. Mobile-source emissions of TACs (e.g., benzene, 1,3-butadiene, DPM) have been reduced significantly over the last decade, and will be reduced further in California through a progression of regulatory measures (e.g., low-emission vehicle/clean fuels and Phase II reformulated gasoline regulations) and control technologies. With implementation of CARB's Risk Reduction Plan, it is expected that DPM concentrations will be reduced by 85 percent by 2020 from year 2000 levels (BAAQMD 2010). Adopted regulations are also expected to continue to reduce formaldehyde emissions from cars and light-duty trucks. As emissions are reduced, it is expected that risks associated with exposure to the emissions will also be reduced.

2.3.3 State Greenhouse Gas and Climate Change Legislation

California has adopted a variety of statewide legislation to address various aspects of climate change and GHG emissions mitigation. Much of this legislation is not directed at citizens or jurisdictions specifically, but rather establishes a broad framework for the state's long-term GHG reduction and climate change adaptation program. The governor has also issued several executive orders related to the state's evolving climate change policy. Below is a summary of GHG legislation applicable to the Project.

- **Senate Bill (SB) 97:** SB 97 required that the California Natural Resources Agency coordinate on the preparation of amendments to the CEQA Guidelines regarding feasible mitigation of GHG emissions or the effects of GHG emissions. Pursuant to SB 97, the California Natural Resources Agency adopted State CEQA Guidelines amendments on December 30, 2009 and transmitted the adopted amendments and the entire rulemaking file to the Office of Administrative Law on December 31, 2009. The amendments were approved by the Office of Administrative Law on February 16, 2010, and became effective on March 18, 2010.
- **Assembly Bill (AB) 32:** Requires CARB to develop and enforce regulations for the reporting and verification of statewide GHG emissions, and directs CARB to set a GHG emission limit, based on 1990 levels, to be achieved by 2020. The bill set a timeline for adopting a scoping plan for achieving GHG reductions in a technologically and economically feasible manner. On December 11, 2008, CARB adopted the AB 32 Scoping Plan, which sets forth the framework for facilitating the state's goal of reducing GHG emissions to 1990 levels by 2020. The First Update of the AB 32 Scoping Plan was adopted on May 22, 2014. At this writing, CARB is drafting the next update of the Scoping Plan. The Second Update is expected to include strategies to meet a 2030 GHG reduction goal of 40 percent below 1990 levels (the goal set out in EO B-30-15, described below). Neither AB 32 nor the updated AB 32 Scoping Plan establishes regulations implementing, for specific projects, the Legislature's statewide goals for reducing GHGs. (*Center for Biological Diversity v. California Department of Fish and Game* (2015) 62 CA1.4th 204, 259.)

The AB 32 Scoping Plan outlines a series of technologically feasible and cost-effective measures to reduce statewide GHG emissions, including expanding energy efficiency programs, increasing electricity production from renewable resources (at least 33 percent of the statewide electricity mix), and increasing automobile efficiency, implementing the Low-Carbon Fuel Standard, and developing a cap-and-trade program. The vast majority of the Project's GHG emissions would result from mobile sources and energy. Multiple AB 32 Scoping Plan measures address GHG emissions from transportation fuels and energy. For example, the cap-and-trade program, through the regulation of upstream electricity producers and fuel suppliers, will account for GHG emissions from the Project

and require emissions from covered sectors to be reduced by the amount needed to achieve AB 32's 2020 goal.

Likewise, the Low-Carbon Fuel Standard requires a 10 percent reduction in the carbon intensity of transportation fuels by 2020 and therefore creates incentives for broader-scale deployment of alternative vehicle fuels as well as electricity. Similarly, the state's Renewable Portfolio Standard mandates that state utilities dramatically increase (to 33 percent by 2020) the percentage of electricity sales that are generated by eligible renewable generation sources. Together, these elements of the AB 32 Scoping Plan will ensure that overall statewide emissions will be decreased to the extent necessary to achieve AB 32's emissions reduction goals. At the time the Natural Resources Agency promulgated Guidelines Section 15064.4, the agency explained that the AB 32 Scoping Plan "may not be appropriate for use in determining the significance of individual projects" because it is conceptual at this state and relies of the future development of regulations to implement and the strategies identified in the Scoping Plan. (Natural Resources Agency 2009:26-27.)

- **Assembly Bill 1493:** AB 1493 requires the development and adoption of regulations to achieve "the maximum feasible reduction of greenhouse gases" emitted by noncommercial passenger vehicles, light-duty trucks, and other vehicles used primarily for personal transportation in the state. In 2009, CARB adopted amendments to the AB 1493 regulations that reduce greenhouse gas emissions in new passenger vehicles from 2009 through 2016. These amendments are part of California's commitment toward a nation-wide program to reduce new passenger vehicle GHGs from 2012 through 2016. The goal is to increase average fuel economy to roughly 43 miles per gallon by 2020 and reduces GHG emissions from the transportation sector by approximately 14 percent.
- **Senate Bill 375:** SB 375 was enacted to reduce GHG emissions from automobiles and light trucks through integrated transportation, land use, housing and environmental planning. Under the law, Metropolitan Planning Organizations are tasked with incorporating Sustainable Communities Strategies (SCS) as an element in the Regional Transportation Plan (RTP). The SCS documents provide the following.
 - Identify the general location of uses, residential densities, and building intensities within the region.
 - Identify areas within the region sufficient to house all the population of the region, including all economic segments of the population, over the course of the planning period of the regional transportation plan taking into account net migration into the region, population growth, household formation and employment growth.
 - Identify areas within the region sufficient to house an 8-year projection of the regional housing need for the region.
 - Identify a transportation network to service the transportation needs of the region.

- Gather and consider the best practically available scientific information regarding resource areas and farmland in the region.
- Consider the state housing goals.
- Set forth a forecasted development pattern for the region, which, when integrated with the transportation network, and other transportation measures and policies, will reduce the greenhouse gas emissions from automobiles and light trucks to achieve, if there is a feasible way to do so, the GHG emission reduction targets approved by the state board.
- Allow the regional transportation plan to comply with the federal CAA.
- **State Cap-and-Trade Program:** This program creates a market-based system with an overall emissions limit for affected sectors, including electric utilities, large industrial facilities, and distributors of transportation, natural gas, and other fuels.
- **Senate Bills 1078/107/X 1-2, Renewable Portfolio Standard and Renewable Energy Resources Act:** SBs 1078 and 107, California’s Renewables Portfolio Standard (RPS), obligated investor-owned utilities energy service providers and Community Choice Aggregations to procure an additional 1 percent of retail sales per year from eligible renewable sources until 20 percent was reached by 2010. The California Public Utilities Commission and California Energy Commission are jointly responsible for implementing the program. SB X 1-2, called the California Renewable Energy Resources Act, obligates all California electricity providers to obtain at least 33 percent of their energy from renewable resources by 2020.
- **Executive Order S-01-07:** This EO established a Low-Carbon Fuel Standard and directed the Secretary of the California Environmental Protection Agency (Cal/EPA) to develop and propose protocols for measuring the “life-cycle carbon intensity” of transportation fuels.
- **Executive Order S-3-05:** This EO established state GHG emission targets of 1990 levels by 2020 (the same as AB 32, enacted later and discussed below) and 80 percent below 1990 levels by 2050. It calls for the Secretary of Cal/EPA to be responsible for coordination of state agencies and progress reporting. In response to the EO, the Secretary of Cal/EPA created the Climate Action Team (CAT). California’s CAT originated as a coordinating council organized by the Secretary of Cal/EPA.
- **Executive Order B-30-15, Brown:** EO B-30-15 established a medium-term goal for 2030 of reducing GHG emissions by 40 percent below 1990 levels and requires CARB to update its current AB 32 Scoping Plan to identify the measures to meet the 2030 target. The EO supports EO S-3-05, described above, but currently is only binding on state agencies.
- **CEQA Guidelines Section 15064.4:** Requires that, in performing environmental review under CEQA, an agency should make a good-faith effort, based to the extent possible on

scientific and factual data, to describe, calculate, or estimate the amount of GHG emissions resulting from a project. The agency has discretion to determine whether to use a model or methodology to quantify GHG emissions, and which model or methodology to use, or rely on a qualitative analysis or performance-based standards. The agency should consider the following factors, among others, when assessing the significance of impacts from GHG emissions on the environment.

- The extent to which the project may increase or reduce GHG emissions as compared to the existing environmental setting;
- Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project;
- The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions. Such requirements must be adopted by the relevant public agency through a public review process and must reduce or mitigate the project's incremental contribution of GHG emissions. If there is substantial evidence that the possible effects of a particular project are still cumulatively considerable notwithstanding compliance with the adopted regulations or requirements, an environmental impact report (EIR) must be prepared for the project.
- **California Green Building Standards Code and Title 24:** In January 2010, the California Building Standards Commission adopted the statewide mandatory Green Building Standards Code (CALGreen [California Code of Regulations, Title 24, Part 11]). The Code was updated in 2013 to require additional energy savings. CALGreen applies to the planning, design, operation, construction, use, and occupancy of every newly constructed building or structure.

2.4 Regional Air Quality Regulations

2.4.1 Bay Area Air Quality Management District

BAAQMD attains and maintains air quality conditions in the SFBAAB through a comprehensive program of planning, regulation, enforcement, technical innovation, and promotion of the understanding of air quality issues. BAAQMD has jurisdiction over an approximately 5,600-square-mile area of the SFBAAB, including all of the Santa Clara County.

BAAQMD established a climate protection program to reduce pollutants that contribute to global climate change and affect air quality in the SFBAAB. The climate protection program includes measures that promote energy efficiency, reduce VMT, and develop alternative sources of energy all of which assist in reducing emissions of GHG and in reducing air pollutants that affect the health of residents. BAAQMD also seeks to support current climate

protection programs in the region and to stimulate additional efforts through public education and outreach, technical assistance to local governments and other interested parties, and promotion of collaborative efforts among stakeholders.

The clean air strategy of BAAQMD includes the preparation of plans for the attainment of ambient air quality standards, adoption and enforcement of rules and regulations concerning sources of air pollution, and issuance of permits for stationary sources of air pollution. The BAAQMD also inspects stationary sources of air pollution and responds to citizen complaints, monitors ambient air quality and meteorological conditions, and implements programs and regulations required by the CAA and the California CAA.

As stated above, BAAQMD prepares plans to attain ambient air quality standards in the SFBAAB. BAAQMD prepares ozone attainment plans for the national ozone standard and clean air plans (CAP) for the California standard both in coordination with the MTC and the Association of Bay Area Governments (ABAG).

With respect to applicable air quality plans, BAAQMD prepared the 2010 Clean Air Plan (2010 CAP) to address nonattainment of the national one- and eight-hour ozone standard in the SFBAAB. The purpose of the 2010 CAP is to accomplish the following.

- Update the Bay Area 2005 Ozone Strategy in accordance with the requirements of the California CAA to implement all feasible measures to reduce ozone.
- Consider the impacts of ozone control measures on PM, air toxics, and GHGs in a single integrated plan.
- Review progress in improving air quality in recent years.
- Establish emission control measures to be adopted or implemented in the 2009–2012 timeframe.

To achieve the core purposes of the 2010 CAP, the control strategies proposed are designed to achieve the following.

- Reduce emissions of ozone precursors, PM, air toxics, and GHG.
- Continue progress toward attainment of state ozone standards.
- Reduce transport of ozone precursors to neighboring air basins.
- Protect public health by reducing population exposure to the most harmful air pollutants.
- Protect the climate.

Similarly, BAAQMD prepared the 2010 CAP to address nonattainment of the CAAQS.

The Project is subject to the following BAAQMD rules.

- **Regulation 6, Rule 1 (Particulate Matter).** This regulation restricts emissions of PM darker than No. 1 on the Ringlemann Chart to less than 3 minutes in any 1 hour.

- **Regulation 7 (Odorous Substances).** This regulation establishes general odor limitations on odorous substances and specific emission limitations on certain odorous compounds.
- **Regulation 8, Rule 3 (Architectural Coatings).** This regulation limits the quantity of ROG in architectural coatings supplied, sold, offered for sale, applied, solicited for application, or manufactured for use within the district.
- **Regulation 8, Rule 15 (Emulsified and Liquid Asphalts).** This regulation limits emissions of VOCs caused by paving materials.
- **Regulation 9, Rule 8 (Stationary Internal Combustion Engines).** This regulation limits emissions of NO_x and CO from stationary internal combustion engines of more than 50 horsepower.
- **Regulation 11, Rule 2 (Naturally Occurring Asbestos).** This regulation addresses asbestos demolition renovation, manufacturing, and standards for asbestos containing serpentine. The purpose of Regulation 11, Rule 2 is to control emissions of asbestos to the atmosphere during demolition, renovation, milling and manufacturing and establish appropriate waste disposal procedures (BAAQMD. *Regulation 11, Rule 2*. October 1998). CARB defines naturally occurring asbestos (NOA) as a TAC. NOA is located in many parts of California and is commonly associated with certain rocks found in the Bay Area (California Geological Survey 2002). BAAQMD's NOA program requires that the applicable notification forms be submitted by qualifying operations in accordance with the procedures detailed in the ATCM Inspection Guidelines Policies and Procedures. The ATCM requires regulated operations engaged in road construction and maintenance activities, construction and grading operations, and quarrying and surface mining operations in areas where NOA is likely to be found to employ the best available dust mitigation measures to reduce and control dust emissions.
- **Regulation 2, Rule 2, New Source Review.** Applies to new or modified sources and contains requirements for Best Available Control Technology and emission offsets. Rule 2 implements federal New Source Review and Prevention of Significant Deterioration requirements. According to this rule, new and modified sources with Hazardous Air Pollutant emissions may also be subject to the Maximum Achievable Control Technology requirement.
- **Regulation 9, Rule 8, Stationary Internal Combustion Engines.** This regulation limits emissions of NO_x and CO from stationary internal combustion engines of more than 50 horsepower.

BAAQMD has regulated TACs since the 1980s. At the local level, air pollution control or management districts may adopt and enforce CARB's control measures. Under BAAQMD Regulation 2-1 (General Permit Requirements), Regulation 2-2 (New Source Review), and Regulation 2-5 (New Source Review), all nonexempt sources that possess the potential to emit TACs are required to obtain permits from BAAQMD. Permits may be granted to these operations if they are constructed and operated in accordance with applicable regulations,

including new source review standards and air toxics control measures. BAAQMD limits emissions and public exposure to TACs through a number of programs. BAAQMD prioritizes TAC-emitting stationary sources based on the quantity and toxicity of the TAC emissions and the proximity of the facilities to sensitive receptors. In addition, BAAQMD has adopted Regulation 11, Rules 2 and 14, which address asbestos demolition renovation, manufacturing, and standards for asbestos containing serpentine.

2.4.2 Metropolitan Transportation Commission

MTC is the transportation planning agency for the Bay Area. MTC is responsible for preparing the RTP and blueprints for mass transit, highway, airport, seaport, railroad, bicycle, and pedestrian facilities. It also screens requests from local agencies for state and federal grants for transportation projects. Adopted in June 2013, the most recent edition of the RTP is the *Plan Bay Area*, which incorporates the SCS mandated by SB 375. The RTP provides a long-range framework to minimize transportation impacts on the environment, improve regional air quality, protect natural resources, and reduce GHG emissions by encouraging new development to locate near transit rather than areas poorly served or not served by transit.

Plan Bay Area has been approved by CARB as meeting target reductions in GHG emissions from cars and light trucks. The mechanism for achieving these reductions is an SCS that promotes compact, mixed-use commercial and residential development that is walkable and bike-able, and close to mass transit, jobs, schools, shopping, parks, recreation, and other amenities. *Plan Bay Area* contains goals, policies, and objectives that encourage more transportation choices, more livable communities, and reduction in the GHG emissions that contribute to climate change.

2.5 Local Air Quality Regulations

2.5.1 City of San Jose

The San Jose General Plan includes the following policies intended to minimize air pollutant emissions from new and existing development.

- **Air Quality Policy MS-10-1:** Assess projected air emissions from new development in conformance with the BAAQMD CEQA Guidelines and relative to state and federal standards. Identify and implement feasible air emission reduction measures.
- **Air Quality Policy MS-10-2:** Consider the cumulative air quality impacts from proposed developments for proposed land use designation changes and new development, consistent with the region's Clean Air Plan and state law.

- **Air Quality Policy MS-10-3:** Promote the expansion and improvement of public transportation services and facilities, where appropriate, to both encourage energy conservation and reduce air pollution.
- **Air Quality Policy MS-10-5:** In order to reduce vehicle miles traveled and traffic congestion, require new development within 2,000 feet of an existing or planned transit station to encourage the use of public transit and minimize the dependence on the automobile through the application of site design guidelines and transit incentives.
- **Air Quality Policy MS-10-6:** Encourage mixed land use development near transit lines and provide retail and other types of service oriented uses within walking distance to minimize automobile dependent development.
- **Air Quality Policy MS-10-7:** Encourage regional and statewide air pollutant emission reduction through energy conservation to improve air quality.
- **Toxic Air Contaminants MS-11-7:** Consult with BAAQMD to identify stationary and mobile TAC sources and determine the need for and requirements of a health risk assessment for proposed developments.
- **Toxic Air Contaminants MS-11-8:** For new projects that generate truck traffic, require signage which reminds drivers that the state truck idling law limits truck idling to 5 minutes.
- **Construction Air Emissions MS-13-1:** Include dust, particulate matter, and construction equipment exhaust control measures as conditions of approval for subdivision maps, site development and planned development permits, grading permits, and demolition permits. At minimum, conditions shall conform to construction mitigation measures recommended in the current BAAQMD CEQA Guidelines for the relevant project size and type.
- **Construction Air Emissions MS-13-2:** Construction and/or demolition projects that have the potential to disturb asbestos (from soil or building material) shall comply with all the requirements of the CARB's air toxics control measures for Construction, Grading, Quarrying, and Surface Mining Operations.

The San Jose General Plan does not include a specific goal related to GHG emissions, but does identify the several policies and actions that will contribute to GHG reductions. For example, Policy H-4.2 seeks to maintain and periodically update the Zero Waste Strategic Plan to establish criteria and strategies for achieving zero waste, including reducing GHG emissions. Other air quality and energy policies and actions will contribute to GHG reduction.

The City of San Jose has adopted a GHG Reduction Strategy in conjunction with the recently adopted the Envision San Jose 2040 General Plan Update consistent with the implementation requirements of AB 32. The Strategy was adopted by the City Council as an extension of the

Envision Plan on November 1, 2011. The purposes of the GHG Reduction Strategy are to achieve the following.

- Capture and consolidate GHG reduction efforts already underway by the City of San Jose.
- Distill policy direction on GHG reduction from the Envision San Jose 2040 General Plan Update.
- Quantify GHG reductions that should result from land use changes incorporated in the Envision General Plan Land Use diagram.
- Create a framework for the ongoing monitoring and revision of this GHG Reduction Strategy.
- Achieve General Plan-level environmental clearance for future development activities (through the year 2020) occurring within the City of San Jose.

2.5.2 City of Santa Clara

The City of Santa Clara General Plan includes the following policies intended to improve air quality in Santa Clara and the region and reduce GHG emissions.

- **Air Quality Policy 5.10.2-1:** Support alternative transportation modes and efficient parking mechanisms to improve air quality.
- **Air Quality Policy 5.10.2-2:** Encourage development patterns that reduce vehicle miles traveled and air pollution.
- **Air Quality Policy 5.10.2-3:** Encourage implementation of technological advances that minimize public health hazards and reduce the generation of air pollutants.
- **Air Quality Policy 5.10.2-4:** Encourage measures to reduce greenhouse gas emissions to reach 30 percent below 1990 levels by 2020.
- **Air Quality Policy 5.10.2-5:** Promote regional air pollution prevention plans for local industry and businesses.
- **Air Quality Policy 5.10.2-6:** Require “Best Management Practices” for construction dust abatement.

The City of Santa Clara adopted a Climate Action Plan in December 2013. The Santa Clara Climate Action Plan outlines the City’s efforts to reduce GHG emissions consistent with BAAQMD’s CEQA Guidelines and larger statewide GHG reduction goals. The Santa Clara Climate Action Plan estimates current (2008) and future (2020 and 2035) GHG emissions generated by community activities and sets a GHG reduction goal of 15 percent below 2008 emissions levels by 2020. Measures to achieve this target are identified and focus on energy efficiency, renewable energy, water conservation, waste reduction, off-road equipment, and

transportation and land use. The Santa Clara Climate Action Plan is incorporated as part of the City's General Plan.

2.6 Existing Conditions

2.6.1 Regional Context

The Project passes through cities of Santa Clara and San Jose. The west portal is located approximately less than 1 mile west of San Jose International Airport. The corridor is in the SFBAAB, which is comprised of the nine Bay Area counties: Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, and Sonoma. Air quality in the region is affected by natural factors such as proximity to the Bay and ocean, topography, meteorology, and existing air pollution sources. At the northern end of the peninsula in San Francisco, pollutant emissions are high, especially from motor vehicle congestion. Localized pollutants, such as CO, can build up in “urban canyons.” Winds are generally fast enough to carry the pollutants away before they can accumulate.

The Bay Area is characterized by a Mediterranean type climate with warm, dry summers and cool, wet winters. The terrain of the Project area influences both the climate and air pollution potential. The cities of San Jose and Santa Clara lie in the Santa Clara Valley climatological subregion of the SFBAAB. The northwest-southeast oriented Santa Clara Valley is bounded by the Santa Cruz Mountains to the west, the Diablo Range to the east, the San Francisco Bay to the north, and the convergence of the Gabilan Range and the Diablo Range to the south. Winter temperatures are mild, except for very cool but generally frostless mornings. At the northern end of the Santa Clara Valley, the San Jose Airport reports mean maximum temperatures ranging from the high 70s to the low 80s during the summer to the high 50s–low 60s during the winter, and mean minimum temperatures ranging from the high 50s during the summer to the low 40s during the winter. Farther inland, where the moderating effect of the Bay is not as strong, temperature extremes are greater.

2.6.2 Local Area Conditions

2.6.2.1 Local Climate

The annual average temperature in the Project area is approximately 60°F. The area experiences an average winter temperature of approximately 50°F and an average summer temperature of approximately 68°F. Total precipitation in the corridor averages approximately 14.6 inches annually. Precipitation occurs mostly during the winter and relatively infrequently during the summer. (Desert Research Institute n.d.).

The wind patterns in the Santa Clara Valley are influenced greatly by the terrain, resulting in a prevailing flow roughly parallel to the valley's northwest-southeast axis with a north-northwesterly ocean breeze that flows up the valley in the afternoon and early evening

and a light south-southeasterly flow during the late evening and early morning. In the summer, a convergence zone is sometimes observed in the southern end of the valley between Gilroy and Morgan Hill when air flowing from the Monterey Bay through the Pajaro Gap is channeled northward into the south end of the Santa Clara Valley and meets with the prevailing north-northwesterly winds. Speeds are greatest in the spring and summer; nighttime and early morning hours have light winds and are frequently calm in all seasons while summer afternoons and evenings can be windy.

2.6.2.2 Air Monitoring Data

BAAQMD monitors air quality conditions at more than 30 locations throughout the Bay Area. The nearest air monitoring station to the Project site is the San Jose 158 East Jackson Street Monitoring Station, approximately 0.9 mile northwest of Santa Clara Street and approximately 0.5 mile east of SR-87 freeway. The East Jackson Street Monitoring Station is representative of air quality conditions throughout the Project area. Historical data from this station was used to characterize existing conditions and to establish a baseline for estimating future conditions with and without the Project. Pollutants monitored at the 158 East Jackson Street Monitoring Station include ozone, CO, PM₁₀, and PM_{2.5}. Table 2-2 summarizes ambient air quality conditions from 2010 to 2014 and number of exceedances as compared to NAAQS and CAAQS.

Table 2-2: 2010–2014 Ambient Air Quality Data in Project Vicinity

Pollutant ^a	Pollutant Concentration and Standards	Number of Days Above State Standard				
		2010	2011	2012	2013	2014
Ozone	Maximum 1-hour Concentration (ppb)	126	98	101	93	89
	Days > 90 ppb (state 1-hour standard)	5	1	1	1	0
	Maximum 8-hour Concentration (ppm)	86	67	62	79	66
	Days > 70 ppb (state 8-hour standard)	3	0	0	1	0
Carbon Monoxide	Days > 75 ppb (federal 8-hour standard)	3	0	0	1	0
	Maximum 1-hour concentration (ppm)	2.8	2.5	2.6	3.1	2.4
	Days > 20 ppm (state 1-hour standard)	0	0	0	0	0
	Days > 35 ppm (federal 1-hour standard)	0	0	0	0	0
	Maximum 8-hour concentration (ppm)	2.2	2.2	1.9	n/a	n/a
	Days > 9.0 ppm (state 8-hour standard)	0	0	0		
Respirable Particulate Matter (PM ₁₀)	Days > 9.0 ppm (federal 8-hour standard)	0	0	0		
	Maximum 24-hr Concentration (µg/m ³)	44.2	41.3	56.5	55.8	56.4
	Estimated Days > 50 µg/m ³ (state 24-hour standard)	0	0	1	5	1
Fine Particulate Matter (PM _{2.5})	Estimated Days > 150 µg/m ³ (federal 24-hour standard)	0	0	0	0	0
	Maximum 24-hr Concentration (µg/m ³)	41.5	50.5	38.4	57.7	60.4
	Estimated Days > 35 µg/m ³ (federal standard)	3	3	2	4	2

Source: CARB n.d.
 µg/m³ = micrograms per cubic meter; ppb = parts per billion; ppm = parts of million
^a PM_{2.5} and PM₁₀ background data are obtained from Santa Clara-Jackson Street Air Monitoring Station.

2.6.2.3 Sensitive Receptors

Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. CARB has identified the following groups who are most likely to be affected by air pollution: children under 14, the elderly over 65 years of age, athletes, and people with cardiovascular and chronic respiratory diseases. Typically, sensitive receptors include residences, schools, playgrounds, child-care centers, athletic facilities, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes.

The 6-mile extension passes through San Jose and ends in Santa Clara. The alignment is surrounded by a mix of residential, industrial, commercial, institutional, and recreational land uses. Refer to Chapter 4, Section 4.4, *Community Services and Public Facilities*, of the Supplemental Environmental Impact Statement/ Subsequent Environmental Impact Report (SEIS/SEIR) for locations of schools, parks, and recreational facilities, and religious or civic institutions that may be sensitive to air quality pollutants. Refer to Chapter 4, Section 4.11, *Land Use*, of the SEIS/SEIR for locations of residential uses along the alignment.

Chapter 3

Thresholds of Significance and Methodology

3.1 CEQA Thresholds

In accordance with Appendix G of the State CEQA Guidelines, the Project would have a significant impact on air quality if it would result in any of the following conditions listed below.

- Conflict with or obstruct implementation of the applicable air quality management plan.
- Violate any air quality standard or contribute substantially to an existing or projected air quality violation.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment under an applicable federal or state ambient air quality standard (including releasing emissions that exceed quantitative thresholds for ozone precursors).
- Expose sensitive receptors to substantial pollutant concentrations.
- Create objectionable odors affecting a substantial number of people.

In accordance with Appendix G of the State CEQA Guidelines, the Project would have a potentially significant impact on climate change and GHGs if it would result in either of the conditions listed below.

- Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment.
- Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHG.

3.1.1 Criteria Pollutants, TACs, and Odors

As discussed above, the BAAQMD is responsible for ensuring that state and federal ambient air quality standards are not violated within the SFBAAB. Analysis requirements for construction- and operational-related pollutant emissions are contained in the BAAQMD's 2010 Air Quality Guidelines. The guidelines also contain thresholds of significance for criteria pollutants, TACs, and odors, which are summarized in Table 3-1.

Table 3-1: BAAQMD Thresholds of Significance

Analysis	Construction	Operation
Criteria Pollutants	ROG: 54 pounds per day NO _x : 54 pounds per day PM ₁₀ : 82 pounds per day (exhaust only) PM _{2.5} : 54 pounds per day (exhaust only) Dust: Failure to implement BMPs	ROG: 54 pounds per day, 10 tons per year NO _x : 54 pounds per day, 10 tons per year PM ₁₀ : 82 pounds per day, 15 tons per year PM _{2.5} : 54 pounds per day, 10 tons per year CO: Violation of a CAAQS ^a
Toxic Air Contaminants (Individual Project)	Increased cancer risk: 10 in 1 million Increased non-cancer hazard (HI): >1 Exhaust PM _{2.5} : >0.3 µg/m ³	Same as construction
Toxic Air Contaminants (Cumulative Thresholds)	Increased cancer risk: 100 in 1 million Increased non-cancer hazard (HI): >10 Exhaust PM _{2.5} : >0.8 µg/m ³	Same as construction
Odors	-	Five complaints per year averaged over three years

Source: BAAQMD 2010.

^a The BAAQMD has adopted the following screening criteria to determine whether a project could lead to a violation of the CAAQS.

- Consistency with an applicable congestion management program established by the county congestion management agency for designated roads or highways, a regional transportation plan, and local congestion management agency plans; and
- Increased traffic volumes at affected intersections with more than 44,000 vehicles per hour.

California Building Industry Association v. Bay Area Air Quality Management District (December 17, 2015) challenged BAAQMD’s thresholds for determining whether a project’s exposure to existing levels of TACs would result in a significant impact. The Supreme Court agreed with the California Building Industry Association and concluded that “CEQA generally does not require an analysis of how existing environmental conditions will impact a project’s future users or residents.” However, the court identified several exceptions to this “general rule,” including when a project exacerbates existing environmental hazards.

3.1.2 Climate Change/Greenhouse Gas Emissions

BAAQMD has not recommended a quantitative threshold for the evaluation of construction-related GHG emissions. The significance of construction GHG emissions is evaluated by determining whether a project is consistent with AB 32 GHG reduction goals. BAAQMD also recommends that lead agencies incorporate best management practices to reduce GHG emissions during construction.

With respect to operational emissions, BAAQMD has not recommended a significance threshold for transit projects that include TOJDs. In addition, there is no consensus between state, regional, and local agencies related to addressing potential impacts from transit-related GHG emissions. California air pollution control officials and air quality districts have made several proposals for numerical thresholds. Multiple agencies’ efforts at framing GHG significance issues have not yet coalesced into any widely accepted set of numerical significance thresholds for transit projects.

Although the BAAQMD has not established a significance threshold for transit projects, significance thresholds have been established for land use developments, such as the TOJDs. BAAQMD's guidelines establish three potential analysis criteria for land use development projects: (1) compliance with a qualified CAP, (2) a mass emissions threshold of 1,100 metric tons (MT) per year of CO₂e, and (3) a GHG efficiency threshold of 4.6 MT CO₂e per service population (project jobs plus projected residents). BAAQMD's thresholds are based on AB 32's requirement to reduce statewide GHG emissions from both existing and new development to 1990 levels by 2020.

The State CEQA Guidelines authorize the lead agency to consider thresholds of significance previously adopted or recommended by other public agencies or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence (State CEQA Guidelines Sections 15064.4(a) and 15064.7(c)). Given that there is no drafted, adopted, or recommended threshold specific to transit projects, and that transit projects are inherently designed to reduce GHG emissions, VTA has established that the Project would result in a significant GHG impact if it were to result in an emissions increase above net zero. Because the BART Extension with TOJD Alternative would include TOJD, GHG emissions associated with the TOJDs are also evaluated relative to the BAAQMD's 4.6 MT CO₂e per service population threshold. This comparison is done for informational purposes only; the final impact determination is based on the net zero threshold.

Although there is no adopted state plan that addresses GHG emission reduction beyond 2020, long-term goals for 2030 and 2050 have been articulated in EO B-30-15 and EO S-3-05, respectively. There is a bill being considered in the state legislature to adopt an interim (2030) binding GHG target.¹ To date, however, there are no proposed or adopted significance thresholds for analyzing post-2020 emissions for development projects in California. Nevertheless, given the recent legislative attention on post-2020 goals, and scientific evidence that additional GHG reductions are needed through 2050 to stabilize CO₂ concentrations, the Association of Environmental Professionals (AEP) Climate Change Committee recommended in a 2015 white paper that CEQA analyses for projects with post-2020 development, not only "consider consistency with the 2020/AB 32 based framework" but also analyze "the consequences of post-2020 GHG emissions in terms of their impacts on the reduction trajectory from 2020 toward 2050." AEP (2015) further recommends that the "significance determination...should be based on consistency with *substantial progress* along a post-2020 trajectory."

Consistent with AEP's recommendation and general scientific understanding that there will be a need for deeper reductions in GHG emissions in the post-2020 period (see further discussion in the AEP white paper referenced in this section), this document maintains the stringent net zero threshold to evaluate long-term operational emissions under Forecast Year (2035) conditions. GHG emissions associated with the TOJDs in 2035 are also assessed, for

¹The 2030 target of 40 percent below 1990 levels may be adopted in legislation per the proposed SB 32, which was withdrawn during the 2015 legislative term but is expected to be considered in the 2016 legislative term.

informational purposes, relative to *substantial progress* indicator based on the 2030 and 2050 reduction targets identified in EO B-30-15 and EO S-3-05, respectively.²

Climate change is a global problem, and GHGs are global pollutants, unlike criteria air pollutants (such as ozone precursors), which are primarily pollutants of regional and local concern. Given their long atmospheric lifetimes, GHGs emitted by many sources worldwide accumulate in the atmosphere. No single emitter of GHGs is large enough to trigger global climate change on its own. Rather, climate change is the result of the individual contributions of countless past, present, and future sources. Thus, GHG impacts are inherently cumulative.

3.2 NEPA Determination

Based on EPA's transportation conformity rule (40 Code of Federal Regulations Parts 51 and 93) and federal air quality regulations, the Build Alternative would have an adverse effect on air quality if it were to result in the conditions listed below.

- Design and scope of the BART Extension Alternative would be inconsistent with the MTC Transportation 2035 Plan (the RTP) or 2015 Transportation Improvement Program (the FTIP).
- The BART Extension Alternative would worsen existing or contribute to new localized CO or PM hot-spots.
- The BART Extension Alternative would generate substantial levels of MSAT emissions.

Although the BART Extension Alternative would be subject to transportation conformity, the BAAQMD CEQA thresholds are used to evaluate the intensity of operational emissions. These thresholds have been adopted to help reach regional attainment status with regard to the federal and state ambient air quality standards. Accordingly, operational emissions in excess of BAAQMD thresholds would have an adverse effect on regional air quality.

3.2.1 Regional Conformity

Regional conformity for a given project is analyzed by determining if the project was included in a conforming RTP or FTIP with substantially the same design concept and scope that was used for the regional conformity analysis. Accordingly, the regional conformity analysis was conducted by comparing the BART Extension Alternative's design, concept, and scope to its description in *Plan Bay Area* and associated air quality analyses.

²The substantial progress indicator was calculated for 2035 based on the GHG reduction goals established under EO B-30-15 and EO S-3-05 (40 percent reduction below 1990 levels by 2030 and 80 percent reduction below 1990 levels by 2050, taking into account the 1990 emissions levels and the projected 2035 statewide population and employment levels).

3.2.2 Project Level Conformity

Project-level conformity is analyzed by determining if the Project would cause localized exceedances of CO, PM_{2.5}, and/or PM₁₀ standards or interfere with “timely implementation” of the transportation control measures called out in the SIP. The sections that follow summarize the methodology used to evaluate project-level conformity requirements for CO, PM₁₀, and PM_{2.5}.

3.2.2.1 Carbon Monoxide

The BART Extension Alternative would be located in a maintenance area with regard to the federal CO standard. Consequently, the evaluation of transportation conformity for CO is required. The CO transportation conformity analysis is based on the CO screening criteria established by the BAAQMD. The criteria provide a conservative indication of whether a project will generate new air quality violations, worsen existing violations, or delay attainment of NAAQS and CAAQS for CO. If the screening criteria are met, a quantitative analysis of project-related CO emissions would not be necessary because transportation conformity requirements would be satisfied.

The BART Extension Alternative was evaluated against the BAAQMD CO screening criteria listed below.

- Consistency with an applicable congestion management program established by the county congestion management agency for designated roads or highways, regional transportation plan, and local congestion management agency plans.
- Increased traffic volumes at affected intersections of more than 44,000 vehicles per hour.

3.2.2.2 Particulate Matter

The BART Extension Alternative would be located in a nonattainment area for the federal PM_{2.5} standard. Consequently, a project-level conformity determination for PM_{2.5} is required. In December 2010, EPA finalized conformity guidance for determining which transportation projects must be analyzed for local air quality impacts in PM_{2.5} and PM₁₀ nonattainment and maintenance areas. The guidance requires a quantitative hot-spot analysis to be performed for a project of air quality concern (POAQC) or any other project identified by the PM₁₀ or PM_{2.5} SIP as a localized air quality concern. POAQCs are certain highway and transit projects that involve significant levels of diesel traffic or any other project identified in the PM_{2.5} or PM₁₀ SIP as a localized air quality concern.

For projects that have not been identified as a POAQC, PM_{2.5} and PM₁₀ hot-spot analyses are not required. For these types of projects, state and local project sponsors should briefly document in their project-level conformity determinations that CAA and 40 Code of Federal Regulations 93.116 requirements have been met without a hot-spot analysis because the projects have not been found to be an air quality concern under 40 Code of Federal Regulations 93.123(b)(1).

3.2.3 Mobile-Source Air Toxics

The Federal Highway Administration's (FHWA's) *Interim Guidance Update on Mobile Source Air Toxic Analysis in NEPA Documents* does not include a quantitative standard for assessing MSAT emissions. The MSAT determination is based on FHWA qualitative guidance.

3.2.4 Climate Change/Greenhouse Gas Emissions

As previously discussed, the federal CEQ released guidance that describes how federal departments and agencies should consider the effects of GHG emissions and climate change in their NEPA reviews (CEQ 2016). The final guidance is designed to allow decision makers and the public to fully understand the potential climate impacts of federal actions and, in turn, assist agencies in comparing alternatives and considering measures to mitigate the impacts of climate change. The federal guidance provides a common approach for assessing actions, while recognizing each agency's unique circumstance and authority. Agencies have discretion in how they tailor their individual NEPA reviews to accommodate the final guidance. The final guidance does not create new or additional regulatory requirements or NEPA implementing procedures. Importantly, the final guidance does not include a quantitative emissions limit that could be used to identify potential adverse effects.

3.3 Methodology for Construction Impacts

3.3.1 Criteria Pollutants, Ozone Precursors, and GHG Emissions

Construction activities would generate criteria pollutant emissions from the following activities: relocation of underground and overhead utilities along the corridor; site preparation/excavation for the three underground stations (i.e., Alum Rock/28th Street, Downtown San Jose, and Diridon); cut-and-cover operations and excavation of tunnels with use of one or more tunnel boring machines; demolition of existing structures, buildings, pavement, and other site features; construction of ventilation facilities, system facilities, station boxes, track work including crossovers, station campuses, and the Newhall Maintenance Facility; construction workers traveling to and from construction sites; deliveries of supplies to construction sites; and hauling debris from construction sites. These construction activities would generate dust (i.e., PM), fumes, equipment exhaust, and other air contaminants.

According to the schedule, construction of the BART Extension Alternative or BART Extension with TOJD Alternative would start in 2017 and take approximately 8 years to complete. Two options have been proposed for the construction of the tunnel: the Twin-Bore Option and the Single-Bore Option.

Exhaust emissions associated with construction of the BART Extension Alternative were estimated using a spreadsheet methodology and using emission factors and emission rates obtained from CARB’s EMFAC2014 for on-road vehicle and Appendix A – the Data Tables used by CalEEMod (version 2013.2.2) for off-road construction equipment (CAPCOA 2013). EMFAC is CARB’s model for estimating emissions from on-road vehicles in California, and CalEEMod is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutants emissions for a variety of land use projects.

Fugitive dust would be generated by demolition of existing roadways and site grading. Emissions were calculated assuming that 20 pieces of heavy-duty construction equipment would be operating simultaneously 16 hours a day along the corridor. The equipment could be spread throughout the length of the corridor to do the construction work. Offsite emissions associated with the hauling trips were accounted for based on the estimated total number of truck trips as shown in Table 3-2. Emission factors were based on assumed EMFAC2014 vehicle categories, with all haul trucks and material deliveries assumed to be EMFAC Heavy-Heavy Duty Diesel Tractor Trucks (T7).

Construction emissions for VTA’s TOJD were estimated using CalEEMod. Inputs to the model include each land use type and size, in terms of building area, number of dwelling units, and the vehicle trip generation for each land use. ROG emissions from architectural coatings were adjusted to 150 grams per liter to account for BAAQMD’s Regulation 8, Rule 3 that applies to the volatile organic compound content of paints and solvents sold and used in the region. When data was not available, default CalEEMod settings were used. Details of the emissions analysis including calculation sheets and assumptions used for the CalEEMod model runs are provided in Appendix A.

Table 3-2: Haul Road Volumes and Number of Truck Trips for the BART Extension Alternative

Station/Structure	Haul Volume (Cubic Yards)	# of Truck Trips	Peak Hour Truck Volumes
Twin-Bore Option Tunnel			
Alum Rock/28 th Street Station	170,000–180,000	8,500–9,000	4
Downtown San Jose Station and Crossover Structure (East and West Options)	285,000–295,000	28,500–29,500	8
Diridon Station (South and North Options)	175,000–185,000	17,500–18,500	8
13 th Street Ventilation Facility	20,000–25,000	2,000–2,500	4
Stockton Avenue Ventilation Facility	20,000–25,000	2,000–2,500	4
West Portal	90,000–95,000	4,500–4,750	7
East Portal	70,000–75,000	3,500–3,750	11

Station/Structure	Haul Volume (Cubic Yards)	# of Truck Trips	Peak Hour Truck Volumes
Tunnel (muck) – West Portal to Downtown San Jose Station	315,000–325,000	15,750–16,250	5
Tunnel (muck) – East Portal to Downtown San Jose Station	305,000–315,000	15,250–15,750	5
Totals	1,450,000–1,520,000	97,500–102,500	-
Single-Bore Option Tunnel			
Alum Rock/28 th Street Station	25,000	1,250	4
Downtown San Jose Station (East and West Options)	25,000	1,250	4
Diridon Station (South and North Options)	25,000	1,250	4
13 th Street Ventilation Facility	4,000	400	2
Stockton Avenue Ventilation Facility	4,000	400	2
West Portal	100,000	5,000	7
East Portal	100,000	5,000	7
Tunnel (muck) – West Portal to East Portal	1,550,000	77,500	22
Totals	1,833,000	92,050	--
The haul volumes, number of trucks and peak hour trucks are rough estimates and could be up to 20 percent greater depending on construction methodology			

3.3.2 Toxic Air Contaminants

The construction health risk analysis assessed exposure to PM_{2.5} and DPM. Due to the length of the alignment and the number of stations, one representative location was chosen to inform the risk. The Alum Rock/28th Street Station location was selected based on the intensity of the subterranean station construction activity, the size of the TOJD, and proximity to sensitive receptors (e.g., Five Wounds Church and Elementary School approximately 65 feet southeast of the construction zone). It is anticipated that the construction-related health risk would be comparable at other subterranean station locations based on similar construction activities.

Exposure to construction-related DPM was assessed by predicting the health risks in terms of excess cancer, non-cancer hazard impacts, and elevated PM_{2.5} concentrations. EPA’s AERMOD dispersion model was used to predict DPM and PM_{2.5} hourly concentrations at sensitive land uses, based on daily PM₁₀ and PM_{2.5} exhaust mass emissions, with exhaust emissions of PM₁₀ used as a surrogate for DPM. Estimates of project-level cancer risk, non-cancer Health Index (HI), and annual PM_{2.5} concentrations were based on annual concentrations from AERMOD, and anticipated construction durations.

The maximum incremental cancer risk from exposure to DPM was calculated by estimating exposure to carcinogenic chemicals and multiplying the dose times the cancer potency factor.

The following equation is used to determine cancer risk.

$$\text{Cancer Risk} = \text{Dose} \times \text{CPF} \times \text{ASF} \times \text{ED} / \text{AT} \times \text{FAH}$$

where:

Cancer Risk = risk (potential chances per million)

Dose = dose through inhalation (milligrams per kilogram-day)

CPF = Inhalation Cancer Potency Factor

ASF = Age Sensitivity Factor for a specified age group (unitless)

ED = exposure duration (duration of construction)

AT = averaging time (25,550 days or 70 years)

FAH = Fraction of time spent at home (unitless)

Dose was estimated using the following equation.

$$\text{Dose} = \text{Cair} \times \{ \text{BR/BW} \} \times \text{A} \times \text{EF} \times \text{CF}$$

where:

Dose = dose through inhalation (milligrams per kilogram-day)

Cair = annual air concentration (micrograms per cubic meter)

{BR/BW} = daily breathing rate (liter per kilogram body weight per day)

A = Inhalation absorption factor, 1.0

EF = exposure frequency (350 days per year)

CF = conversion factor (10^{-6} ([milligrams per microgram] x [cubic meters per liter])

The potential for exposure to result in chronic non-cancer effects is evaluated by comparing the estimated annual average air concentrations to the chemical-specific non-cancer chronic reference exposure levels (RELs). The chronic REL is the inhalation exposure concentration at which no adverse chronic health effects would be anticipated following exposure. When calculated for a single chemical, the comparison yields a ratio termed a hazard quotient. The risk level is calculated as follows.

$$\text{Non-Cancer Hazard Index} = \text{Cair} / \text{REL}$$

where:

Cair = annual concentration (micrograms per cubic meter)

REL = chronic/acute non-cancer REL (micrograms per cubic meter)

3.4 Methodology for Operational Impacts

3.4.1 Criteria Pollutants, Ozone Precursors, and GHG Emissions

The operational analysis considers emissions benefits associated with vehicle mode shift. It is anticipated that the BART Extension Alternative would increase ridership, thereby decreasing regional passenger VMT through mode shift from private automobiles to transit. Accounting for emissions reductions associated with mode shift is consistent with recommendations from the American Public Transportation Association (APTA).

Emissions from changes in regional VMT were estimated using EMFAC2014 and daily VMT data obtained from *VTA's BART Silicon Valley – Phase II Extension Project Draft Traffic Impact Analysis* by Hexagon Transportation Consultants, Inc. (2016).³ The VMT data were provided in 5 mile-per-hour (mph) speed bins (or ranges) for the 2015 Existing, 2025 Opening Year, and 2035 Forecast Year under the No Build Alternative, BART Extension Alternative, and BART Extension with TOJD Alternative. Appendix B summarizes the traffic data used in the modeling. Re-entrained road dust was calculated following EPA AP-42 approach for calculating emissions of dust from paved roads.

TOJD operational emissions were estimated using CalEEMod default assumptions for the proposed land use types. Inputs to the model include each land use type and size, in terms of building area; the number of dwelling units; and the vehicle trip generation for each land use. Mobile-source emissions for the TOJDs were estimated using trip generation rates provided by Hexagon Transportation Consultants, Inc. (2016).

GHG emissions to support BART electricity consumption associated with traction, station lighting, and stations auxiliary power have been quantified using a power consumption rate of 0.00267 megawatt-hour per BART VMT per day. To calculate total daily power consumption, the above power consumption rate was multiplied by the total length of the BART Extension Alternative and the total number of train departures/arrivals in a day. It is assumed that there would be 6-minute headways between 6:00 a.m. and 7:30 p.m., 20-minute headways between 4:00 a.m. and to 6:00 a.m. and between 7:30 p.m. and 1:30 a.m., resulting in 13.5 hourly train trips. The stations and related facilities built as part of the BART Extension Alternative would also use electric power. This “other” energy requirement was calculated on a percentage basis. About 25 percent of BART’s existing power requirements are for station and facilities operations, with the other 75 percent for vehicle propulsion. It was assumed this relationship would apply to the BART extension as well. Based on data obtained from the air quality analysts, annual electricity consumption for vehicle propulsion along the BART extension would be 1.4 million kilowatt-hours (kWh). Additional electricity consumed by other facilities was therefore estimated to be about 468,000 kWh per year. The

³Refer to the transportation and traffic analysis for a detailed description of the methodology used to estimate VMT and the resulting VMT for each alternative.

electricity intensity factors were obtained from the CalEEMod and used to calculate CO₂ emissions associated with the production of electricity consumed by operation of the BART Extension Alternative.

The GHG analysis for the TOJD relies on the service population (residents plus employees). Estimates for residents were based on rates available in CalEEMod for multi-family residences. The utilized population rate was 2.86 people per dwelling unit. The employee rates for retail and office use were 400 and 225 employees per 1,000 square feet, respectively. The assumptions resulted in service population of 10,841 persons.

3.4.2 Toxic Air Contaminants/Mobile Source Air Toxics

FHWA's *Interim Guidance Update on Mobile Source Air Toxic Analysis in NEPA Documents* was used to evaluate potential MSAT emissions associated with the BART Extension Alternative. The guidance uses a tiered approach to addressing MSAT impacts from roadway projects. The following analysis levels outlined in FHWA's interim guidance, and listed below, were used to evaluate the BART Extension Alternative's MSAT impacts.

Level 1 – Exempt projects with no potential for meaningful MSAT effects. These projects require no analysis. The types of projects included in this category are:

- Projects qualifying as a categorical exclusion under 23 Code of Federal Regulation 771.117(c).
- Projects exempt under the CAA conformity rule under 40 Code of Federal Regulation 93.126.
- Other projects with no meaningful impacts on traffic volumes or vehicle mix.

Level 2 – Projects with low potential for MSAT effects. These projects require a qualitative analysis. The types of projects included in this category are those that serve to improve operations of highway, transit or freight without adding substantial new capacity or without creating a facility that is likely to meaningfully increase MSAT emissions. Examples of these types of projects are minor widening projects and new interchanges, such as those that replace a signalized intersection on a surface street or where Forecast Year (2035) traffic is not projected to meet the 140,000 to 150,000 average daily traffic (ADT) criterion.⁴

Level 3 – Projects with have higher potential MSAT. These projects require quantitative analysis to differentiate alternatives. To fall into this category, a project must:

- Create or significantly alter a major intermodal freight facility that has the potential to concentrate high levels of DPM in a single location; or,

⁴The FHWA guidance for the assessment of MSATs in NEPA documents does not specifically address the analysis of construction-related emissions because of their relatively short duration. The FHWA is considering whether more guidance is needed on construction activities in future versions of their guidance.

- Create new or add significant capacity to urban highways such as interstates, urban arterials, or urban collector-distributor routes with traffic volumes where the ADT is projected to be in the range of 140,000 to 150,000 or greater by the Forecast Year (2035); and
- Be located in proximity to populated areas.

The FHWA guidance for the assessment of MSATs in NEPA documents does not specifically address the analysis of construction-related emissions because of their relatively short duration. FHWA is considering whether more guidance is needed regarding construction activities in future versions of its guidance.

3.4.3 Localized CO Hot-Spots

The potential for operations to result in localized CO hot-spots was evaluated based on the CO screening criteria established by the BAAQMD. The criteria provide a conservative indication of whether a project will generate new air quality violations, worsen existing violations, or delay attainment of the NAAQS and CAAQS with regard to CO. If the screening criteria are met, a quantitative analysis of project-related CO emissions would not be necessary because the project would not result in a CO hot-spot.

4.1 BART Extension Alternative

The chapter assesses the affects of the BART Extension Alternative in accordance with the NEPA. The analysis also assesses Transportation Conformity requirements.

4.1.1 Construction Impacts

Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation, and, for dust, the prevailing weather conditions. Construction of the BART Extension Alternative has the potential to create air quality impacts through the use of heavy-duty construction equipment and haul trucks, and through vehicle trips generated by construction workers traveling to and from the various construction sites along the alignment. NO_x emissions would primarily result from the use of construction equipment and haul trucks.

Table 4-1 shows equipment (onsite) and truck exhaust (offsite) emissions associated with the BART Extension Alternative. Maximum emissions would exceed the BAAQMD significance threshold for NO_x under the Twin-Bore and Single-Bore Options. The construction thresholds published by the BAAQMD have been used as an indicator for emissions to result in an adverse effect under NEPA. The BART Extension Alternative includes avoidance, minimization, and mitigation measures (refer to Chapter 6) to control fugitive dust (AQ-1) and reduce NO_x emissions (AQ-2 through AQ-8). These measures include Tier 4 equipment exhaust standards and idling limitations. Implementation of Tier 4 engine exhaust controls would reduce equipment-related NO_x to from 252 to approximately 74 pounds per day under the Twin-Bore Option and from 308 to 130 pounds per day under the Single-Bore Option. However, NO_x emissions would still be greater than the BAAQMD significance threshold of 54 pounds per day. Therefore, construction of the BART Extension Alternative would result in a short-term, adverse effect related to air quality.

Table 4-1: Construction Emissions Related to the BART Extension

Criteria Pollutant or Ozone Precursor	Pounds per Day				
	ROGs	NO _x	CO	PM ₁₀	PM _{2.5}
Onsite Emissions (Equipment Exhaust) – Twin-Bore and Single-Bore Options					
Unmitigated	18	180	129	9	8
Mitigated (Tier 4 Exhaust Standards)	3	2	128	<1	<1
Offsite Emissions (Haul Truck Exhaust) – Twin-Bore Option					
Alum Rock Station/28 th Street Station	1	20	4	<1	<1
Downtown San Jose Station and Crossover Structure	1	41	8	1	1

Criteria Pollutant or Ozone Precursor	Pounds per Day				
	ROGs	NO _x	CO	PM ₁₀	PM _{2.5}
Diridon Station (South and North Options)	1	41	8	1	1
13 th Street Ventilation Facility	1	20	4	<1	<1
Stockton Avenue Ventilation Facility	1	20	4	<1	<1
West Portal	1	36	7	1	<1
East Portal	2	56	11	1	1
Tunnel (muck) – West Portal to Downtown San Jose Station	1	26	5	1	<1
Tunnel (muck) – East Portal to Downtown San Jose Station	1	26	5	1	<1
Offsite Emissions (Haul Truck Exhaust) – Single-Bore Option					
Alum Rock/28 th Street Station	1	20	4	< 1	< 1
Downtown San Jose Station (East and West Options)	1	20	4	< 1	< 1
Diridon Station (South and North Options)	1	20	4	< 1	< 1
13 th Street Ventilation Structure	< 1	10	2	< 1	< 1
Stockton Avenue Ventilation Structure	< 1	10	2	< 1	< 1
West Portal	1	36	7	1	< 1
East Portal	1	36	7	1	< 1
Tunnel (muck) – West Portal to East Portal	4	112	22	3	1
Offsite Emissions (Concrete Truck Exhaust)					
Various Locations	1	16	3	<1	<1
Total Twin-Bore Option					
Maximum Daily Emissions - Unmitigated	21	252	143	10	9
Maximum Daily Emissions - Mitigated	5	74	142	2	1
BAAQMD Construction Significance Thresholds	54	54	--	82	54
Exceed Threshold?	No	Yes	--	No	No
Total Single-Bore Option					
Maximum Daily Emissions - Unmitigated	23	308	154	12	9
Maximum Daily Emissions - Mitigated	7	130	153	3	2
BAAQMD Construction Significance Thresholds	54	54	--	82	54
Exceed Threshold?	No	Yes	--	No	No
Sources: CARB, EMFAC2014, CalEEMod version 2013, TAHA 2015.					

4.1.2 Operational Impacts

4.1.2.1 Criteria Air Pollutants

The operational analysis for the BART Extension Alternative considers emissions benefits associated with vehicle mode shift. It is anticipated that the BART Extension Alternative would increase ridership, thereby decreasing regional passenger VMT through mode shift from private automobiles to transit. Accounting for emissions reductions associated with mode shift is consistent with recommendations from APTA. Table 4-2 shows the regional VMT associated with the No Build and BART Extension Alternatives. The VMT and associated emissions analysis are presented for 2025 Opening Year and 2035 Forecast Year.

Table 4-2: Regional Vehicle Miles Traveled – BART Extension Alternative

Analysis Year	Vehicle Miles Traveled (Miles per Day)		% VMT Change from No Build Alternative
	No Build Alternative	BART Extension Alternative	
2025 Opening Year	54,981,379	54,693,572	(0.52)
2035 Forecast Year	59,777,409	59,492,258	(0.48)

Source: Hexagon Transportation Consultant, Inc. 2016.

Estimated criteria pollutant emissions by all vehicles in the region are shown in Table 4-3. The differences in emissions between the alternatives represent criteria pollutant emissions generated as a result of implementation of the BART Extension Alternative. Considering the small percent decrease in regional VMT, differences in operational emissions generated by the BART Extension Alternative are expected to be minor and primarily related to changes in VMT and vehicle speeds as a result of use of public transportation.

Table 4-3: Estimated Maximum Daily Operational Emissions – BART Extension Alternative

Criteria Pollutant or Ozone Precursor	Pounds per Day				
	ROGs	NO _x	CO	PM ₁₀	PM _{2.5}
2025 Opening Year					
No Build Alternative	1,453	7,207	75,108	5,962	2,499
BART Extension Alternative	1,446	7,181	74,715	5,932	2,486
Net Change from No Build	(-7)	(-26)	(-393)	(-30)	(-13)
BAAQMD Significance Thresholds	54	54	--	82	54
Exceeds Threshold?	No	No	--	No	No
2035 Forecast Year					
No Build Alternative	927	4,852	52,408	6,360	2,607
BART Extension Alternative	924	4,839	52,158	6,331	2,595
Net Change from No Build	(-3)	(-13)	(-250)	(-29)	(-12)
BAAQMD Significance Thresholds	54	54	--	82	54
Exceeds Threshold?	No	No	--	No	No

Source: CARB, EMFAC2014, CalEEMod version 2013, and TAHA 2015.

The analysis shows that the BART Extension Alternative would reduce regional criteria pollutant emissions. Implementation of the BART Extension Alternative would result in a regional air quality benefit by encouraging a modal shift from single-occupancy vehicles towards transit. Emissions would be below BAAQMD’s operational thresholds of significance. Therefore, the operations of the BART Extension Alternative would result in no adverse impacts.

4.1.2.2 Mobile-Source Air Toxics and Toxic Air Contaminants

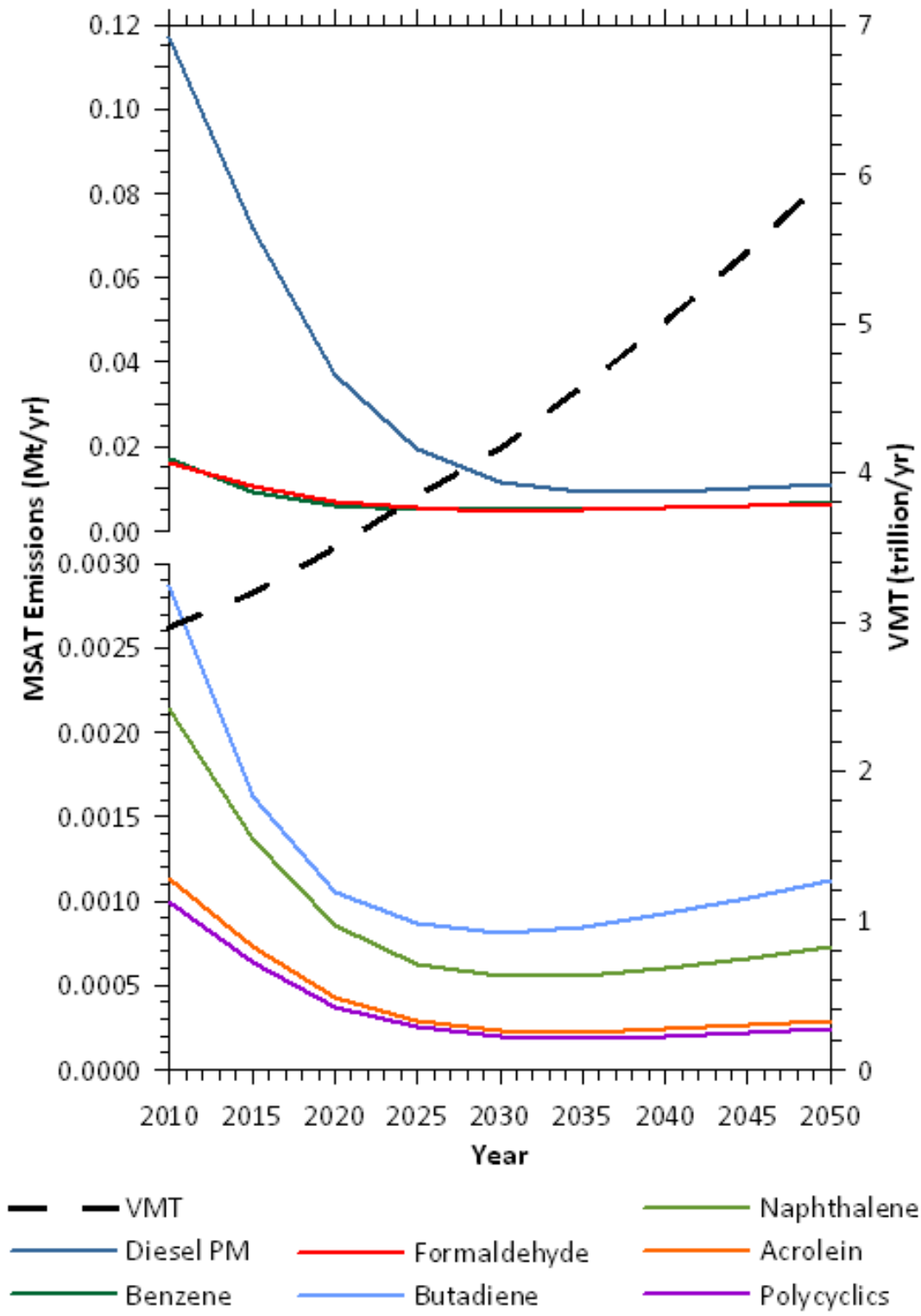
The Air Quality Study includes a basic qualitative analysis of the likely MSAT/TAC emission impacts of the BART Extension Alternative. However, available technical tools do not make it possible to predict the specific health impacts of the emission changes associated with the BART Extension Alternative. FTA has not established a methodology for assessing MSAT emission. The BART Extension Alternative would be electrically powered and would not generate MSAT emissions. FHWA has published guidance related to roadway emissions. Thus, the MSAT analysis focuses on how the BART Extension Alternative would affect exposure to roadway MSAT.

As shown in Figure 4-1, EPA's national control programs are projected to reduce MSAT emissions by 83 percent from 2010 to 2050 even if the VMT increases by 102 percent. Based on fleet mix and turnover, VMT growth rates, and local control measures, local conditions may differ from these national projections. In addition, the BART Extension Alternative would reduce regional VMT and associated MSAT emissions. The related community health risks associated with MSAT emissions would also be reduced in the region.

New bus transfer points would be located at the Alum Rock/28th Street Station and Santa Clara Stations. At the Alum Rock Station/28th Street Station, a bus transfer location would be provided along North 28th Street. At the Santa Clara Station, a bus transfer location would be provided along Brokaw Road. In addition, the Diridon Station (both Options) includes an existing bus transit facility. The existing facility would be reconstructed for better bus circulation. It is not anticipated that this facility would accommodate any increased bus frequency. VTA operates diesel-hybrid buses that generate significantly less diesel emissions than standard buses. Bus idling would increase localized emissions; however, idling time is typically limited to less than 1 minute per vehicle. Given the above qualitative analysis, diesel-hybrid bus activity would not represent a significant source of new exposure.

The Newhall Maintenance Facility, including vehicle storage capacity, would not include a significant source of combustion-related TACs, such as heavy-duty diesel trucks or active power generators. The maintenance facility would include chemicals related to repair and cleaning activities, resulting in evaporative emissions. However, the chemicals would be stored in accordance with BAAQMD and state safety guidelines; the majority of related activities would incur within maintenance facilities. This would reduce the potential for exposure to substantial TAC concentrations. Given the above qualitative analysis, the maintenance facility would not represent a significant source of new exposure and, therefore, would result in no adverse impacts related to operational TAC emissions.

Figure 4-1: National MSAT Emission Trends 1999–2050 for Vehicles Operating on Roadways using EPA's MOVES2010b Model



4.1.2.3 Transportation Conformity

Transportation conformity is required under CAA Section 176(c) (42 United States Code 7506[c]) to ensure that federally supported transit project activities are consistent with the purpose of the SIP. Conformity to the purpose of the SIP means that transportation activities will not cause new air quality violations, worsen existing violations, or delay timely attainment of the relevant NAAQS. EPA's Transportation Conformity Guidance (40 Code of Federal Regulations 51.390 and Part 93) establishes the criteria and procedures for determining whether transportation activities conform to the SIP. Under the criteria, transportation projects must demonstrate conformity on regional and local levels.

Regional Conformity

The BART Extension Alternative is included in MTC's 2015 FTIP, which was adopted by MTC on September 24, 2014. FTA and FHWA approved the 2015 FTIP on December 15, 2014. The FTIP Number is BRT030001 and the BART extension is described as, "BART: Extend BART from Berryessa Station to San Jose and Santa Clara." The BART Extension Alternative is also included in the RTP under FTIP Number 240375 as "Extend BART from Berryessa to San Jose/Santa Clara (Phase 2)." The regional planning documents assume construction beginning in 2018 and completion in 2024. Passenger service is anticipated to begin in late 2025/2026. It is anticipated that the assumed open-to-traffic year change will occur through the FTIP and RTP amendment process before completion of the NEPA process. The FTIP and RTP amendments would ensure that, prior to preparation of the final environmental document for the BART extension, the design, concept, and scope will be consistent with the project description in the FTIP and RTP amendment. Therefore, the BART Extension Alternative's regional conformity determination requirement is satisfied.

Project Conformity

Conformity requires a demonstration that a project will not result in new local CO or PM_{2.5} exceedances, or worsen existing violations.

Carbon Monoxide Hotspot Analysis. Transportation Conformity requires that a project must not cause or contribute to new localized CO violations or increase the frequency or severity of existing CO violations. BAAQMD air quality monitors have not recorded an exceedance of the federal CO standards since at least 1994. CO concentrations throughout California have steadily declined over time as vehicle engines have become more efficient and less polluting. The BAAQMD has recognized this trend and published a screening methodology for determining the possibility for a CO hot-spot.

The traffic study prepared by Hexagon Transportation Consultants assessed 17 signalized intersections in the vicinity of the Alum Rock/28th Street Station, 29 signalized intersections in the vicinity of the Diridon Station (South and North Options), and 16 signalized intersections in the vicinity of the Santa Clara Station. The identified intersections support fewer than 5,000 vehicles during the weekday AM and PM peak hours. The BART Extension

Alternative would not increase traffic volumes at any intersection in the traffic study area to more than 24,000 vehicles per hour. No potential exists for a new localized CO hot-spot, or the worsening of an existing CO hot-spot.

PM_{2.5} Hotspot Analyses. The alignment is within a nonattainment area for the federal PM_{2.5} standard. Therefore, pursuant to 40 Code of Federal Regulations Part 93, a project-level PM_{2.5} analysis is required for conformity purposes.

A quantitative hot-spot analysis is required only for a project that has been identified as a POAQC, as defined in 40 Code of Federal Regulations 93.123(b)(1). As described below, the BART Extension Alternative does not meet the criteria that would classify it as a POAQC under EPA's final rule. Accordingly, the BART Extension Alternative is not considered to be a POAQC, and the project-level PM conformity determination requirements are satisfied. Confirmation of this finding was obtained following interagency consultation with MTC's Air Quality Conformity Task Force. Under the BART Extension Alternative, there would be no adverse effect related to worsening existing or contributing to new localized PM hot-spots.

Projects involving new or expanded highway facilities and a significant number of, or a significant increase in the number of, diesel vehicles (significant number is defined as more than 125,000 AADT, with 8 percent or more of such AADT being diesel truck traffic or, in practice, truck AADT of 10,000 or more regardless of total AADT; significant increase is defined in practice as a 10 percent increase in the volume of heavy-duty truck traffic).

A list of projects that are considered to be POAQCs is provided below, along with an analysis of why the BART Extension Alternative is not considered to be a POAQC.

- **New or expanded highway projects that have a significant number of or significant increase in diesel vehicles (significant number is defined as greater than 125,000 AADT and 8 percent or more of such AADT is diesel truck traffic, or in practice 10,000 truck AADT or more regardless of total AADT; significant increase is defined in practice as a 10 percent increase in heavy duty truck traffic).**

The BART Extension Alternative is a heavy rail transit project that would not directly increase diesel truck traffic on the roadway network.

- **Projects affecting intersections that are at a Level of Service D, E, or F, with a significant number of diesel vehicles, or that that will change to Level of Service D, E, or F because of increased traffic volumes from a significant number of diesel vehicles related to the project.**

The BART Extension Alternative is a heavy rail transit project that would not directly increase diesel truck traffic on the roadway network. The Level of Service related to increased traffic volumes from a significant number of diesel vehicles related to the BART Extension Alternative is not relevant.

- **New bus and rail terminals and transfer points that have a significant number of diesel vehicles congregating at a single location.**

New transfer points would be located at the Alum Rock/28th Street and Santa Clara Stations, and in central San Jose. At the Alum Rock/28th Street Station, a new bus transfer location would be provided along North 28th Street. At the Santa Clara Station, a new bus transfer location would be provided along Brokaw Road. The bus transfer locations would operate similar to existing bus stops on a local roadway; they are not considered significant terminals or transfer points with a significant number of diesel vehicles (VTA will have phased out diesel buses by 2025).

The No Build Alternative bus fleet includes services to shuttle passengers between the Berryessa Station and downtown destinations. This shuttle service would be eliminated in the BART Extension Alternative resulting in a decrease in bus activity in response to the LRT. Based on a bus demand study completed by VTA, the Santa Clara Station would experience a decrease of 96 buses in 2025/2026 and 160 buses in 2035. The Alum Rock/28th Street Station would experience no change in daily 2025/2026 or 2035 bus volumes. Central San Jose would experience no change in 2025 bus volumes and a decrease of 32 buses in 2035.

VTA operates diesel-hybrid buses that generate significantly less diesel emissions than standard buses. Bus idling would increase localized emissions; however, idling time is typically limited to less than 1 minute per vehicle. Although sensitive receptors would be located within 1,000 feet of the transfer points, these land uses would not be exposed to adverse diesel particulate matter emissions based on the bus type (hybrids) and limited idling time.

- **Expanded bus and rail terminals and transfer points that significantly increase the number of diesel vehicles congregating at a single location.**

The Diridon Station Options include an existing bus transit facility. The existing facility will be reconstructed for better bus circulation. Similar to the Santa Clara Station, the Diridon Station would experience a decrease of 96 buses in 2025 and 192 buses in 2035. In addition, VTA operates diesel-hybrid buses that generate significantly less diesel emissions than standard buses.

- **Projects in or affecting locations, areas, or categories of sites which are identified in the PM_{2.5} or PM₁₀ Implementation Plan or SIP submission, as appropriate, as sites of possible violation.**

The BART Extension Alternative sites have not been identified as a possible violation site.

Due to the above reasons, the MTC's Air Quality Conformity Task Force determined on June 23, 2016, that the BART Extension Alternative is not considered to be a POAQC.

Construction Emissions

Construction would occur over approximately 96 months (8 years). Construction would intermittently move along the length of the alignment, and it is not anticipated that construction activity would occur in one location for more than 5 years. Construction activities will not last for more than 5 years at one general location, so construction-related emissions do not need to be included in regional and project-level conformity analysis (40 Code of Federal Regulations 93.123(c)(5)).

4.1.3 Greenhouse Gas Emissions

The analysis for the BART Extension Alternative considers electricity-related emissions from operation of BART, as well as GHG benefits associated with vehicle mode shift. As discussed above, it is anticipated that the BART Extension Alternative would increase ridership, thereby decreasing regional passenger VMT through mode shift from private automobiles to transit. Accounting for GHG emissions reductions associated with mode shift is consistent with recommendations from APTA.

As shown in Table 4-4, operation of the BART Extension Alternative would decrease GHG emissions due to reductions in VMT-related emissions. This is a beneficial effect of the BART Extension Alternative, and there is no potential for an adverse effect associated with increased GHG emissions.

Table 4-4: Estimated Carbon Dioxide Emissions – BART Extension Alternative

Scenario and Emissions Sources	Carbon Dioxide
	Metric Tons per Year
2015 Existing + Bart Extension Condition	
No Build in Vehicular Emissions from Increased Ridership	7,907,605
BART Extension Alternative Change in Vehicular Emissions from Increased Ridership	7,864,744
BART Extension Alternative Electricity-Related Emissions	615
Net Emissions (No Build minus BART Extension Alternative)	(-42,246)
2025 Opening Year	
No Build in Vehicular Emissions from Increased Ridership	6,154,061
BART Extension Alternative Change in Vehicular Emissions from Increased Ridership	6,124,275
BART Extension Alternative Electricity-Related Emissions	615
Net Emissions (No Build minus BART Extension Alternative)	(-29,171)
2035 Forecast Year	
No Build in Vehicular Emissions from Increased Ridership	5,314,428
BART Extension Alternative Change in Vehicular Emissions from Increased Ridership	5,291,677
BART Extension Alternative Electricity-Related Emissions	615
Net Emissions (No Build minus BART Extension Alternative)	(-22,136)
Source: CARB EMFAC2014, CalEEMod version 2013.2.2, TAHA 2015.	

4.1.4 Climate Change Impacts on the BART Extension

Several impacts on the environment are expected throughout California as a result of global climate change. The extent of these effects is being defined as climate modeling tools become more refined. Regardless of the uncertainty in precise predictions, it is widely understood that substantial climate change is expected to occur in the future. Potential climate change impacts include, but are not limited to, extreme heat events, increased water and energy consumption, and changes in species distribution and range. Certain low-lying parts of cities of San Jose and Santa Clara may be susceptible to flooding that has been influenced by climate-change events. Section 4.17, *Water Resources, Water Quality, and Floodplains*, of the SEIS/SEIR includes a detailed discussion of potential flooding. Currently, all of the BART Extension Alternative within the floodplain is developed, partially developed, or zoned for development. Some of the projected base floodplain development would occur regardless of the BART Extension Alternative. In general, the BART Extension Alternative would be consistent with development plans for the area and would not significantly change the land use in the area because it is currently developed or zoned for development. The change in water surface elevation would be minimal because there would be minimal fill in the base floodplains with proper minimization measures. The BART Extension Alternative would not expose people or structures to the risk of flooding, create floodplains, or result in an increase in the base flood elevation. Natural and beneficial floodplain values would not be affected by the BART Extension Alternative.

Regarding adapting to climate change, the Bay Area Joint Policy Committee (JPC) is tasked with producing a Bay Area Climate and Energy Resilience Strategy to provide guidance on how to include protecting the Bay Area's economy, public health, infrastructure, and ecosystems from sea-level rise, water shortages, high energy prices, and other impacts in long-term regional and local planning, including *Plan Bay Area*. This work focuses on the institutional structures and resources that will be needed to create a multi-stakeholder adaptive management process on regional resilience. In September 2012, the JPC adopted a work plan to develop a Regional Sea Level Rise Adaptation Strategy. The objective of the project is to ensure the ongoing health and ecological viability of regional natural resources, such as San Francisco Bay; coordinate adaptation mechanisms that transcend local jurisdictional boundaries; and share the costs of adaptation responses at a regional level, especially when regional resources are involved. The sea-level rise adaptation strategy work plan focuses on providing enough background information and support to develop a "bottom-up" regional strategy where the regional agencies work with local entities to assess vulnerabilities and risks, identify critical assets, explore adaptation options, and use a balanced approach to identify costs, benefits, and adaptation strategies for the natural resources/ecosystem services provided by the Bay and its watersheds.

In addition, *Plan Bay Area* provides a long-range framework to minimize transportation impacts on the environment, improve regional air quality, protect natural resources, and reduce GHG emissions by encouraging new development to locate near transit rather than areas poorly served or not served by transit. Mitigation Measure 2.5(c) in *Plan Bay Area* states that, “[m]itigation measures that shall be considered by implementing agencies and/or project sponsors where feasible based on project- and site-specific considerations include, but are not limited to the following. The project sponsors and implementing agencies shall coordinate with BCDC, Caltrans, local jurisdictions (cities and counties), and other transportation agencies to develop Transportation Asset Management Plans that consider the potential impacts of sea level rise over the asset’s life cycle.” As stated above, the BART Extension Alternative would not expose people or structures to the risk of flooding, create floodplains, or result in an increase in the base flood elevation.

A range of other potential climate change impacts may affect the BART Extension Alternative, including increased temperatures, heat stress days, and water supplies. The BART Extension Alternative would not exacerbate these issues.

4.2 BART Extension and TOJD

In this section, air quality impacts associated with construction and operations of the BART Extension with TOJD Alternative in the context of CEQA are presented.

4.2.1 Construction Impacts

4.2.1.1 Criteria Pollutant Emissions

Construction of the BART Extension with TOJD Alternative has the potential to create air quality impacts resulting from the use of heavy-duty construction equipment and haul trucks as well as vehicle trips generated by construction workers while traveling to and from the various construction sites along the alignment.

The TOJD would be constructed at four sites near Alum Rock/28th Street, Downtown San Jose (East and West Options), Diridon (South and North Options), and Santa Clara Stations and two sites near 13th Street and Stockton Avenue ventilation facilities. Construction emissions were estimated using CalEEMod default assumptions, which are based on the size of development. The specific construction timing for the TOJD could shortly follow the BART Extension. Therefore, it was assumed that construction of the BART Extension would be overlapped by construction of two TOJDs. The construction emissions estimated for each of these sites are shown in Table 4-5.

Table 4-5: Constructive Emissions Related to the BART Extension with TOJD Alternative – Unmitigated Emissions

Project Component	Pounds per Day			
	ROGs	NO _x	PM ₁₀	PM _{2.5}
Alum Rock/28th Street Station				
Demolition	4	46	2	2
Site Preparation	5	55	3	3
Grading	7	75	4	3
Building Construction	10	59	2	2
Paving	2	20	1	1
Architectural Coating	366	3	<1	<1
Maximum Daily Emissions	366	75	4	3
13th Street Ventilation Facility				
Demolition	1	11	1	1
Site Preparation	1	13	1	1
Grading	1	11	1	1
Building Construction	1	13	1	1
Paving	1	10	1	1
Architectural Coating	14	2	<1	<1
Maximum Daily Emissions	14	13	1	1
Downtown San Jose Station – East Option				
Demolition	4	43	2	2
Site Preparation	5	52	3	3
Grading	4	36	2	2
Building Construction	7	49	2	2
Paving	1	14	1	1
Architectural Coating	280	2	<1	<1
Maximum Daily Emissions	280	52	3	3
Downtown San Jose Station – West Option				
Demolition	1	11	1	1
Site Preparation	1	14	1	1
Grading	1	11	1	1
Building Construction	2	16	1	1
Paving	1	11	1	1
Architectural Coating	51	2	<1	<1
Maximum Daily Emissions	51	16	1	1
Diridon Station – South and North Options				
Demolition	4	43	2	2
Site Preparation	5	52	3	3
Grading	4	36	2	2
Building Construction	6	41	2	2
Paving	1	14	1	1
Architectural Coating	228	2	<1	<1
Maximum Daily Emissions	228	52	3	3

Project Component	Pounds per Day			
	ROGs	NO _x	PM ₁₀	PM _{2.5}
Stockton Avenue Ventilation Facility				
Demolition	1	11	1	1
Site Preparation	1	14	1	1
Grading	1	11	1	1
Building Construction	1	14	1	1
Paving	1	11	1	1
Architectural Coating	32	2	<1	<1
Maximum Daily Emissions	32	14	1	1
Santa Clara Station				
Demolition	4	43	2	2
Site Preparation	5	52	3	3
Grading	4	36	2	2
Building Construction	9	53	2	2
Paving	2	17	1	1
Architectural Coating	357	3	<1	<1
Maximum Daily Emissions	357	53	3	3
Estimated Total Overlapping Emissions from Construction of Two TOJD Sites ^a	723	128	7	6
Estimated Emissions from Construction of BART Extension Alternative (Twin-Bore Option) ^b	21	252	10	9
Estimated Emissions from Construction of BART Extension Alternative (Single-Bore Option) ^b	23	308	12	9
Estimated Total (BART Extension with TOJD Alternative) Emissions (Twin-Bore Option)	744	380	17	15
Estimated Total (BART Extension with TOJD Alternative) Emissions (Single-Bore Option)	746	436	19	15
BAAQMD Construction Significance Thresholds	54	54	82	54
Exceed Threshold?	Yes	Yes	No	No
Source: CARB, CalEEMod version 2013.				
^a The maximum overlapping emissions during construction of the TOJD sites are estimated by assuming that the two construction activities with the highest criteria pollutant emissions would occur simultaneously. For example, construction of the TOJDs at the Alum Rock/28 th Street Station and Santa Clara Station would result in the highest daily NO _x emission rates (75 and 53 pounds per day, respectively). Therefore, the highest NO _x emission associated with the TOJDs is estimated to be 128 pounds per day.				
^b The emission calculations account for emissions generated by onsite and offsite construction equipment, emissions due hauling trips and vendor trips.				

As shown in Table 4-5, combined construction emissions from the BART Extension with TOJD Alternative (Twin-Bore and Single-Bore Options) would exceed BAAQMD regional significance thresholds for NO_x and ROG. Mitigation Measure **AQ-1** is required to control fugitive dust, pursuant to BAAQMD requirements. Mitigation Measures **AQ-2** through **AQ-8**, which are required to reduce NO_x emissions, include Tier 4 engine exhaust standards and idling limitations. Mitigation Measure **AQ-9** would reduce ROG emissions through the use of architectural coatings with a low VOC content. Despite application of these measures, ROG and NO_x emissions would still be greater than the BAAQMD significance threshold of

54 pounds per day (see Table 4-6). Therefore, construction of the BART Extension with TOJD Alternative (Twin-Bore and Single-Bore Options) would result in a significant and unavoidable impact by violating the BAAQMD ROG and NO_x air quality emission standards.

Table 4-6: Construction Emissions Related to the BART Extension with TOJD Alternative – Mitigated Emissions

Project Component	Pounds per Day			
	ROGs	NO _x	PM ₁₀	PM _{2.5}
Alum Rock/28th Street Station				
Demolition	1	2	<1	<1
Site Preparation	1	2	<1	<1
Grading	1	3	<1	<1
Building Construction	6	29	<1	<1
Paving	<1	1	<1	<1
Architectural Coating	366	1	<1	<1
Maximum Daily Emissions	366	29	<1	<1
13th Street Ventilation Facility				
Demolition	<1	1	<1	<1
Site Preparation	<1	1	<1	<1
Grading	<1	1	<1	<1
Building Construction	<1	1	<1	<1
Paving	<1	1	<1	<1
Architectural Coating	14	<1	<1	<1
Maximum Daily Emissions	14	1	<1	<1
Downtown San Jose Station – East Option				
Demolition	1	2	<1	<1
Site Preparation	1	2	<1	<1
Grading	<1	2	<1	<1
Building Construction	5	25	<1	<1
Paving	<1	1	<1	<1
Architectural Coating	279	1	<1	<1
Maximum Daily Emissions	279	25	<1	<1
Downtown San Jose Station – West Option				
Demolition	<1	1	<1	<1
Site Preparation	<1	1	<1	<1
Grading	<1	1	<1	<1
Building Construction	<1	2	<1	<1
Paving	<1	1	<1	<1
Architectural Coating	50	<1	<1	<1
Maximum Daily Emissions	50	2	<1	<1

Project Component	Pounds per Day			
	ROGs	NO _x	PM ₁₀	PM _{2.5}
Diridon Station (South and North Options)				
Demolition	1	2	<1	<1
Site Preparation	1	2	<1	<1
Grading	<1	2	<1	<1
Building Construction	3	18	<1	<1
Paving	<1	1	<1	<1
Architectural Coating	228	<1	<1	<1
Maximum Daily Emissions	228	18	<1	<1
Stockton Avenue Ventilation Facility				
Demolition	<1	1	<1	<1
Site Preparation	<1	1	<1	<1
Grading	<1	1	<1	<1
Building Construction	<1	1	<1	<1
Paving	<1	1	<1	<1
Architectural Coating	31	<1	<1	<1
Maximum Daily Emissions	31	1	<1	<1
Santa Clara Station				
Demolition	1	2	<1	<1
Site Preparation	1	2	<1	<1
Grading	<1	2	<1	<1
Building Construction	6	29	<1	<1
Paving	<1	1	<1	<1
Architectural Coating	357	1	<1	<1
Maximum Daily Emissions	357	29	<1	<1
Estimated Total Overlapping Emissions from Construction of Two TOJD Sites ^a	723	58	<1	<1
Estimated Emissions from Construction of BART Extension Alternative (Twin-Bore Option) ^a	5	74	2	1
Estimated Emissions from Construction of BART Extension Alternative (Single-Bore Option) ^a	7	130	3	2
Estimated Total (BART Extension with TOJD Alternative) Emissions (Twin-Bore Option)	728	262	5	3
Estimated Total (BART Extension with TOJD Alternative) Emissions (Single-Bore Option)	730	132	2	1
BAAQMD Construction Significance Thresholds	54	54	82	54
Exceed Threshold?	Yes	Yes	No	No
<p>Source: CARB, CalEEMod version 2013.</p> <p>^a The maximum overlapping emissions during construction of the TOJDs are estimated assuming that two construction activities with the highest criteria pollutant emissions would occur simultaneously. For example, constructions of the TOJDs at the Alum Rock/28th Street Station and Santa Clara Station would result in the highest daily NO_x emission rates of 29 and 29 pounds per day, respectively. Therefore, the highest NO_x emission associated with the TOJDs is estimated to be 58 pounds per day.</p> <p>^b The emission calculations account for emissions generated by onsite and offsite construction equipment, emissions due hauling trips and vendor trips</p>				

4.2.1.2 Toxic Air Contaminants

As previously discussed in the methodology, emissions exposure was estimated for construction of the Alum Rock/28th Street Station and TOJD. The analysis assumed that station construction would be similar under the Twin-Bore and Single-Bore Options. The results of the risk assessment for offsite maximally exposed individual (i.e., Five Wounds Church and Elementary School approximately 65 feet to the southeast) are presented in Table 4-7. The annual increase in PM_{2.5} concentrations and cancer risk would exceed the BAAQMD significance thresholds. Mitigation Measure **AQ-2** would require Tier 4 exhaust controls, and would reduce PM_{2.5} concentrations and the cancer risk to below the threshold. Therefore, the Project would result in less-than-significant impact related to construction health risk.

Table 4-7: Construction Health Risk Assessment

Risk	Unit	Threshold	Unmitigated Risk	Mitigated Risk
Excess Cancer Risk	Probability per One Million Population	10	27.2	1.56
Chronic Health Non-Cancer Risk	Health Index	1.0	0.24	0.02
Increase in PM _{2.5} Concentration	Average Annual (µg/m ³)	0.3	1.17	0.12

Source: Terry A. Hayes Associates Inc., 2015.

4.2.1.3 Odor Impacts

Potential odor sources during construction activities include diesel exhaust from heavy-duty equipment. The BART Extension with TOJD Alternative would utilize typical construction techniques for the Twin-Bore and Single-Bore Options; therefore, any odors would be typical for construction sites. Construction near existing receptors would be temporary in nature, and construction activities would not be likely to result in nuisance odors that would violate BAAQMD Regulation 7 (Odorous Substances). Therefore, the BART Extension with TOJD Alternative would result in a less-than-significant impact related to construction odors, and no mitigation is required.

4.2.2 Operational Impacts

4.2.2.1 Criteria Pollutant Emissions

Operational emissions include those associated with the BART Extension and occupation of the TOJD. The emissions estimate for the BART Extension was based on regional VMT as shown in Table 4-8. The regional VMT accounted for future developments in the County, including the TOJD. It is assumed that Downtown San Jose Station East and West Options would result in the same regional VMT reduction. The VMT is presented for 2015 Existing, 2025 Opening Year, and 2035 Forecast Year. Based on this methodology, mobile source emissions were not presented separately for each TOJD. The TOJD would generate

emissions from area sources (e.g., consumer products), electricity and natural gas consumption, and waste pick-up. These emissions were estimated using CalEEMod.

Table 4-8: Regional Vehicle Miles Traveled – BART Extension with TOJD Alternative

Analysis Year	Vehicle Miles Travelled (Miles per Day)		% VMT Change from No Build Alternative	% VMT Change From Existing
	No Build Alternative	BART Extension with TOJD Alternative		
2015 Existing	51,893,183	51,795,427	(-0.19%)	--
2025 Opening Year	54,981,379	54,905,065	(-0.14%)	6%
2035 Forecast Year	59,777,409	59,703,751	(-0.12%)	15%

Source: Hexagon Transportation Consultant, Inc. 2016.

Tables 4-9 and 4-10 show annual and daily emissions, respectively. The emissions for the TOJD are presented first, followed by emissions for the BART Extension. The direct emissions from the TOJD would not change significantly over time. The required CalEEMod assumptions (e.g., energy use) remain constant over the course of many years. Therefore, the TOJDs were modeled in 1 year (i.e., 2025), and the emissions were added to the emissions scenarios for the BART Extension during 2015 Existing, 2025 Opening Year, and 2035 Forecast Year. The results show that emissions would be less than the BAAQMD significance thresholds, except for ROG emissions. Significant emissions would be related to residential consumer product use (e.g., aerosol sprays) at the Alum Rock/28th Street Stations, Downtown San Jose (East and West Options), Diridon (South and North Options), and Santa Clara Stations. There is no feasible mitigation to reduce or control the use of consumer products within private residences. Therefore, ROG emissions associated with TOJDs would result in a significant and unavoidable impact.

Table 4-9: Net Annual Operational Emissions for the BART Extension with TOJD Alternative

TOJD	Tons per Year				
	ROGs	NO _x	CO	PM ₁₀	PM _{2.5}
Alum Rock/28th Street Station					
Area	7	<1	2	<1	<1
Energy	<1	1	<1	<1	<1
Waste	<1	<1	<1	<1	<1
Water	<1	<1	<1	<1	<1
Total	7	1	2	<1	<1
Total TOJD Emissions	24	4	4	<1	<1

TOJD	Tons per Year				
	ROGs	NO _x	CO	PM ₁₀	PM _{2.5}
13th Street Ventilation Facility					
Area	<1	<1	<1	<1	<1
Energy	<1	<1	<1	<1	<1
Waste	<1	<1	<1	<1	<1
Water	<1	<1	<1	<1	<1
Total	<1	<1	<1	<1	<1
Downtown San Jose Station – East Option					
Area	6	<1	<1	<1	<1
Energy	<1	1	<1	<1	<1
Waste	<1	<1	<1	<1	<1
Water	<1	<1	<1	<1	<1
Total	6	1	<1	<1	<1
Downtown San Jose Station – West Option					
Area	<1	<1	<1	<1	<1
Energy	<1	<1	<1	<1	<1
Waste	<1	<1	<1	<1	<1
Water	<1	<1	<1	<1	<1
Total	<1	<1	<1	<1	<1
Diridon Station – South and North Options					
Area	4	<1	<1	<1	<1
Energy	<1	1	<1	<1	<1
Waste	<1	<1	<1	<1	<1
Water	<1	<1	<1	<1	<1
Total	4	1	<1	<1	<1
Stockton Avenue Ventilation Facility					
Area	<1	<1	<1	<1	<1
Energy	<1	<1	<1	<1	<1
Waste	<1	<1	<1	<1	<1
Water	<1	<1	<1	<1	<1
Total	<1	<1	<1	<1	<1
Santa Clara Station					
Area	7	<1	2	<1	<1
Energy	<1	1	<1	<1	<1
Waste	<1	<1	<1	<1	<1
Water	<1	<1	<1	<1	<1
Total	7	1	2	<1	<1
2015 Existing Plus BART Extension With TOJD Alternative Condition					
BART Extension with TOJD (Mobile Source Emissions)	(1)	3	(54)	(2)	(1)
TOJD – Area Sources	24	4	4	<1	<1
Total	23	7	(50)	(2)	(1)
BAAQMD Operational Significance Thresholds	10	10	–	15	10
Exceed Threshold?	Yes	No	–	No	No

TOJD	Tons per Year				
	ROGs	NO _x	CO	PM ₁₀	PM _{2.5}
2025 Opening Year					
BART Extension with TOJD (Mobile Source Emissions)	(1)	0	(19)	(1)	(1)
TOJD - Area Sources	24	4	4	<1	<1
Total	23	4	(5)	(1)	(1)
BAAQMD Operational Significance Thresholds	10	10	–	15	10
Exceed Threshold?	Yes	No	–	No	No
2035 Forecast Year					
BART Extension with TOJD (Mobile Source Emissions)	0	1	(12)	(1)	(0)
TOJD - Area Sources	24	4	4	<1	<1
Total	24	5	(8)	(1)	<1
BAAQMD Operational Significance Thresholds	10	10	–	15	10
Exceed Threshold?	Yes	No	–	No	No
Source: CARB, CalEEMod version 2013.					

Table 4-10: Net Daily Operational Emissions for the BART Extension with TOJD Alternative

TOJD	Pounds per Day				
	ROGs	NO _x	CO	PM ₁₀	PM _{2.5}
Alum Rock/28th Street Station					
Area	41	<1	23	<1	<1
Energy	<1	3	2	<1	<1
Waste	<1	<1	<1	<1	<1
Water	<1	<1	<1	<1	<1
Total	41	3	25	<1	<1
Total TOJD Emissions	136	12	50	<1	<1
13th Street Ventilation Facility					
Area	<1	<1	<1	<1	<1
Energy	<1	<1	<1	<1	<1
Waste	<1	<1	<1	<1	<1
Water	<1	<1	<1	<1	<1
Total	<1	<1	<1	<1	<1
Downtown San Jose Station – East Option					
Area	32	<1	<1	<1	<1
Energy	<1	3	2	<1	<1
Waste	<1	<1	<1	<1	<1
Water	<1	<1	<1	<1	<1
Total	32	3	2	<1	<1

TOJD	Pounds per Day				
	ROGs	NO _x	CO	PM ₁₀	PM _{2.5}
Downtown San Jose Station – West Option					
Area	2	<1	<1	<1	<1
Energy	<1	<1	<1	<1	<1
Waste	<1	<1	<1	<1	<1
Water	<1	<1	<1	<1	<1
Total	2	<1	<1	<1	<1
Diridon Station (South and North Options)					
Area	21	<1	<1	<1	<1
Energy	<1	3	3	<1	<1
Waste	<1	<1	<1	<1	<1
Water	<1	<1	<1	<1	<1
Total	21	3	3	<1	<1
Stockton Avenue Ventilation Facility					
Area	<1	<1	<1	<1	<1
Energy	<1	<1	<1	<1	<1
Waste	<1	<1	<1	<1	<1
Water	<1	<1	<1	<1	<1
Total	<1	<1	<1	<1	<1
Santa Clara Station					
Area	40	<1	18	<1	<1
Energy	<1	3	2	<1	<1
Waste	<1	<1	<1	<1	<1
Water	<1	<1	<1	<1	<1
Total	40	3	20	<1	<1
2015 Existing plus BART Extension with TOJD Alternative Condition					
BART Extension with TOJD (Mobile Source Emissions)	(5)	19	(296)	(8)	(3)
TOJD - Area Sources	136	12	50	<1	<1
Total	131	31	246	(8)	(3)
BAAQMD Operational Significance Thresholds	54	54	–	82	54
Exceed Threshold?	Yes	No	–	No	No
2025 Opening Year					
BART Extension with TOJD (Mobile Source Emissions)	(1)	2	(105)	(7)	(3)
TOJD- Area Sources	136	12	50	<1	<1
Total	135	17	(55)	(7)	(3)
BAAQMD Operational Significance Thresholds	54	54	–	82	54
Exceed Threshold?	Yes	No	–	No	No
2035 Forecast Year					
BART Extension with TOJD (Mobile Source Emissions)	0	4	(65)	(6)	(3)
TOJD- Area Sources	136	12	50	<1	<1
Total	136	16	(15)	(6)	(3)
BAAQMD Operational Significance Thresholds	54	54	–	82	54

TOJD	Pounds per Day				
	ROGs	NO _x	CO	PM ₁₀	PM _{2.5}
Exceed Threshold?	Yes	No	–	No	No
Source: CARB, CalEEMod version 2013.					

4.2.2.2 Toxic Air Contaminants

Operational impacts associated with the BART Extension Alternative, including the Newhall Maintenance Facility, were discussed in Section 4.1.2, *Operational Impacts*. The BART Extension Alternative would reduce regional MSAT emissions and VTA operates diesel-hybrid buses. There is no potential for a long-term PM hot-spot. The TOJD sites include residential and retail/office land uses. These land uses would not include significant sources of TAC emissions requiring specific BAAQMD permits, such as chrome plating facilities. Activities at the TOJD would be typical of in-fill housing and commercial land uses that support residents, retail facilities, and office personnel. The TOJDs would likely include loading docks. Based on the types of anticipated land uses, less than five trucks per day would deliver to each TOJD. In addition, trucks would be prohibited from idling in excess of 5 minutes in accordance with state law. The TOJDs would not expose offsite receptors to significant TAC emissions. Therefore, the BART Extension with TOJD Alternative would not result in a less-than-significant impact related to operations, and no mitigation is required.

4.2.2.3 Odor Impacts

The land uses and industrial operations that are typically associated with odor complaints include wastewater treatment plants, landfills, confined animal facilities, composting stations, food manufacturing plants, refineries, and chemical plants. The BART Extension Alternative operations would not include activities that typically generate adverse odors. However, there would likely be Newhall Maintenance Facility activities (e.g., car cleaning) operation as that would generate odors and require air permits from the BAAQMD. While fuel combustion by generators and other sources may also create odors, permitting conditions will ensure compliance with BAAQMD rules and regulations related to public nuisances (including odors). The BART Extension with TOJD Alternative would not include any other land uses or activities that typically generate adverse odors. Diesel hybrid buses at the transit stations may emit detectable odors. However, these odors would be transient and would quickly disperse under typical meteorological conditions. Therefore, operation of the BART Extension with TOJD Alternative would have a less-than-significant impact related to odors, and no mitigation is required.

4.2.2.4 Consistency with Air Quality Plans to Attain CAAQS

The BART Extension with TOJD Alternative would improve regional connectivity and encourage transit ridership. It would also include TOJD at four stations, along with two

ventilation facilities. The TOJD would be constructed at the station locations to promote ridership. Zoning changes would be required at the Alum Rock/28th Street, Diridon (South and North Options), and Santa Clara Stations to permit the residential, retail, and office uses. Once the zoning amendments are approved, the BART Extension with TOJD Alternative would be consistent with applicable city zoning regulations. However, even if the zoning changes do not occur, the sites would still be developed at some time consistent with the current zoning.

The BART Extension with TOJD Alternative would improve service and increase ridership locally and in the region. However, this increased service would not materially increase overall growth pressure on communities. Rather, implementation of the BART Extension with TOJD Alternative would support expected growth and development that is already underway along the alignment. The planned residential developments in the cities of San Jose and Santa Clara would increase the population by 880 and 583 residents, respectively. This growth would not exceed regional planning forecasts.

Given the above analysis, the BART Extension with TOJD Alternative would not conflict with current BAAQMD air quality plans. The BART Extension with TOJD Alternative would contribute to regional goals that support alternative modes of transportation and transit-orientated development. Accordingly, the BART Extension with TOJD Alternative would not conflict with or obstruct implementation of any air quality plan. Therefore, the impact would be less than significant, and no mitigation is required.

5.1 Criteria Pollutants

Cumulative impacts can result from individually minor, but collectively significant, projects taking place over a period of time. The BAAQMD has identified project-level thresholds to evaluate impacts on air quality. In developing these thresholds, the air district considered levels at which project emissions would be cumulatively considerable. The thresholds have been adopted to prevent further deterioration of ambient air quality, which is influenced by emissions generated by past, present, and reasonably foreseeable projects. If a project exceeds the identified significance thresholds, its emissions would be cumulatively considerable, resulting in significant adverse air quality impacts to the region's existing air quality conditions.

The emissions thresholds presented in Table 3-1 represent the maximum emissions a project may generate before contributing to a cumulative impact on regional air quality. Exceedances of the project-level thresholds would be cumulatively considerable.

Regarding construction emissions, as discussed in Section 4.2.1, *Construction Impacts*, ROG and NO_x emissions under the Twin-Bore and Single-Bore Options would exceed BAAQMD thresholds even after implementation of mitigation. Although emissions would be temporary, they would exceed emissions standards and may contribute to air quality degradation and impede the region's ability to attain air quality standards. Therefore, the BART Extension with TOJD Alternative (Twin-Bore and Single-Bore Options) would result in significant cumulative air quality impacts during construction. This impact would be significant and unavoidable.

Regarding operational emissions, as discussed in Section 4.2.2, *Operational Impacts* operations of the BART Extension Alternative would reduce regional VMT and associated emissions. The TOJD would be consistent with regional air quality plans and local general plans (e.g., Cities of Santa Clara and San Jose) to locate infill residential and office development near transit lines. However, when combined with the new residences associated with the TOJD, ROG emissions from the use of consumer products would exceed the BAAQMD significance thresholds. Therefore, the BART Extension with TOJD Alternative would result in significant cumulative air quality impacts during operations. This impact would be significant and unavoidable.

Adverse health effects associated with criteria pollutant emissions are highly dependent on a multitude of interconnected variables (e.g., cumulative concentrations, local meteorology and atmospheric conditions, and the number and character of exposed individuals [e.g., age, gender]). Moreover, ozone precursors (ROG and NO_x) affect air quality on a regional scale. Health effects related to ozone are therefore the product of emissions generated by numerous

sources throughout a region. Existing models have limited sensitivity to small changes in criteria pollutant concentrations, and, as such, translating project-generated criteria pollutants to specific health effects would produce meaningless results. Minor increases in regional air pollution from project-generated ROG and NO_x would result in a less-than-significant cumulative health impacts.

5.2 Toxic Air Contaminants

Regarding construction, the potential for a cumulative risk was assessed by identifying sources within 1,000 feet of the Alum Rock/28th Street Station. The BAAQMD has identified one permitted source with emissions within a 1,000-foot radius. The permitted source is a generator associated with Verizon Wireless adjacent to and southeast of the Alum Rock/28th Street Station. The Verizon Wireless generator is approximately 230 feet from the maximally exposed individual (i.e., Five Wounds Church and Elementary School). The risk from the generator to the maximally exposed individual was adjusted for distance using the BAAQMD Distance Adjustment Multiplier Tool for Diesel Internal Combustion Engines. The risk was adjusted by 0.31 based on the Multiplier Tool. The analysis also accounted for the cumulative contribute of U.S. 101, which is adjacent to and north of the Alum Rock/28th Street Station and the Five Wounds Church and Elementary School. These mobile source emissions were estimated using BAAQMD's Highway Screening Analysis Tools. This tool provides PM_{2.5} concentrations, cancer risks, and chronic and acute hazard index for all state highway segments in the Bay Area at specified distances away from the edge of each highway link.

The results of the cumulative health risk assessment are shown in Table 5-1. The annual increase in PM_{2.5} concentrations and cancer risk would exceed the BAAQMD significance thresholds for a cumulative contribution to a significant risk. Mitigation Measure **AQ-2** would require Tier 4 exhaust controls, and would reduce PM_{2.5} concentrations and the cancer risk to below the threshold. Therefore, the BART Extension Alternative would not contribute to a cumulative construction TAC impact.

Regarding operational activity, the BART Extension Alternative would be electrically powered and would not generate TACs. New bus transfer points would be located at the Alum Rock/28th Street and Santa Clara Stations. The No Build Alternative bus fleet includes services to shuttle passengers between the Berryessa Station and downtown destinations. This shuttle service would be eliminated in the BART Extension Alternative resulting in a decrease in bus activity in response to the LRT. In addition, VTA operates diesel-hybrid buses that generate significantly less diesel emissions than standard buses. Diesel-hybrid bus activity would not represent a significant source of new exposure. There is no potential for BART Extension Alternative to contribute to a cumulative TAC impact.

Table 5-1: Cumulative Construction Health Risk Assessment to the Maximally Exposed Receptor

Source	PM _{2.5} Increase (µg/m ³)	Excess Cancer Risk (in a million)	Non-Cancer HI
Unmitigated Cumulative Risk			
Project Construction	1.17	27.19	0.24
Verizon Wireless	0.0006	3.15	0.001
U.S. 101	0.05	7.64	0.01
Total Risk	1.22	37.98	0.25
Significance Threshold	0.8	100	10.0
Exceeds Threshold?	Yes	No	No
Mitigated Cumulative Risk			
Project Construction	0.12	1.56	0.02
Verizon Wireless	0.0006	3.15	0.001
U.S. 101	0.05	7.64	0.01
Total Risk	0.17	12.35	0.031
Significance Threshold	0.8	100	10.0
Exceeds Threshold?	No	No	No
Source: TAHA 2015.			

The TOJDs include residential and retail/office land uses. These land uses would not include significant sources of TAC emissions requiring specific BAAQMD permits, such as chrome-plating facilities. Activities at the TOJD would be typical of in-fill housing and commercial land uses that support residents, retail facilities, and office personnel. The commercial/retail TOJD would likely include loading docks. Based on the types of anticipated land uses, less than five trucks per day would deliver to each planner development. In addition, trucks would be prohibited for idling in excess of 5 minutes in accordance with state law. The TOJD would not contribute significant emissions to existing total emissions. Therefore, the TOJD would not contribute to a cumulative operational TAC impact.

5.3 Greenhouse Gases/Climate Change

5.3.1 BART Extension Alternative

5.3.1.1 GHG Emissions

Construction of the BART Extension Alternative would generate direct emissions of CO₂, CH₄, and N₂O from mobile and stationary construction equipment exhaust, as well as employee and haul truck vehicle exhaust. Indirect emissions would be generated from water use for fugitive dust control. It is estimated that total GHG emissions associated with

construction of the BART Extension Alternative would be 50,200 and 50,787 metric tons of CO₂e for the Twin-Bore and Single-Bore Options, respectively. Because construction activity would last 8 years, the average annual CO₂e emissions associated with the Twin-Bore and Single-Bore Options would be 6,275 and 6,348 tons of CO₂e per year, respectively.

The operational analysis for the BART Extension Alternative considers electricity-related emissions from operation of BART, as well as GHG benefits associated with vehicle mode shift. As discussed above, it is anticipated that the BART Extension Alternative would increase ridership, thereby decreasing regional passenger VMT through mode shift from private automobiles to transit. Accounting for GHG emissions reductions associated with mode shift is consistent with recommendations from APTA.

BAAQMD's CEQA Guidelines do not identify a quantitative GHG emission threshold for construction emissions. Instead, BAAQMD recommends that GHG emissions from construction be quantified and disclosed and that a determination regarding the significance of the GHG emissions be made. Both the implementation of best management practices and a project's consistency with AB 32 GHG emission reduction goals are considered.

Air quality mitigation would require BAAQMD-recommended basic construction mitigation measures (i.e., best management practices), including limiting idling times to 5 minutes or less, limiting vehicle speeds to 15 mph or less, and performing equipment maintenance and tuning in accordance with manufacturer specifications (see Chapter 6, *Mitigation Measures*). These best management practices have been included as mitigation measures, and would reduce GHG emissions from on- and off-road equipment. Moreover, as shown in Table 5-2, operation of the BART Extension Alternative would decrease GHG emissions because of reductions in VMT-related emissions. This is a beneficial effect of the BART Extension Alternative, and there would be no potential for an adverse cumulative impact associated with increased GHG emissions.

Table 5-2: Estimated Carbon Dioxide Emissions – BART Extension Alternative

Alternative and Emissions Source	Carbon Dioxide
	Metric Tons per Year
2015 Existing + Bart Extension Condition	
No Build Change in Vehicular Emissions from Increased Ridership	7,907,605
BART Extension Change in Vehicular Emissions from Increased Ridership	7,864,744
BART Electricity-Related Emissions	615
Net Emissions (No Build minus BART Extension Alternative)	(-42,246)
2025 Opening Year	
No Build Change in Vehicular Emissions from Increased Ridership	6,154,061
BART Extension Change in Vehicular Emissions from Increased Ridership	6,124,275
BART Electricity-Related Emissions	615
Net Emissions (No Build minus BART Extension Alternative)	(-29,171)

Alternative and Emissions Source	Carbon Dioxide
	Metric Tons per Year
2035 Forecast Year	
No Build Change in Vehicular Emissions from Increased Ridership	5,314,428
BART Extension Change in Vehicular Emissions from Increased Ridership	5,291,677
BART Electricity-Related Emissions	615
Net Emissions (No Build minus BART Extension Alternative)	(-22,136)
Source: CARB EMFAC2014, CalEEMod version 2013.2.2, and TAHA 2015. Note: Regional emissions related to VMT were estimated using the EMFAC model.	

Operational GHG reductions would offset short-term construction emissions within approximately 2 years of the 2025 Opening Year. In addition, construction GHG emissions would be reduced through the incorporation of mitigation measures (see Chapter 6). Compliance with AB 32 GHG reduction goals is discussed below. That discussion concludes that the BART Extension Alternative would be consistent with AB 32 GHG reduction goals. Accordingly, the BART Extension Alternative would result in a less-than-significant cumulative impact on construction GHG emissions. No mitigation measure is required.

5.3.1.2 Operations

The operational analysis for the BART Extension Alternative considers electricity-related emissions from operation of BART, as well as GHG benefits associated with vehicle mode shift. As discussed above, it is anticipated that the BART Extension Alternative would increase ridership, thereby decreasing regional passenger VMT through mode shift from private automobiles to transit. Accounting for GHG emissions reductions associated with mode shift is consistent with recommendations from APTA.

As shown in Table 5-2, operation of the BART Extension Alternative would increase electricity-related emissions. However, these emissions would be offset by benefits associated with vehicle mode shift. Accordingly, operation of the BART Extension Alternative would result in a long-term net reduction in GHG emissions. There would therefore be less-than-significant cumulative impacts under both 2025 Opening Year and 2035 Forecast Year conditions. No mitigation measure is required.

5.3.1.3 Consistency with GHG Reduction Plans

Three plans relevant to the BART Extension Alternative have been adopted for the purposes of reducing GHG emissions: the AB 32 Scoping Plan, the City of San Jose GHG Reduction Strategy, and the City of Santa Clara CAP. Consistency with these three plans is reviewed herein. In addition, consistency with EO S-03-05 and EO B-30-15 is also considered, although no state or local regulations have been adopted to enforce the EO goals with respect to land use approvals.

Consistency with AB 32 Scoping Plan

The AB 32 Scoping Plan outlines a series of technologically feasible and cost-effective measures to reduce statewide GHG emissions, including expanding energy efficiency programs, increasing electricity production from renewable resources (at least 33 percent of the statewide electricity mix), and increasing automobile efficiency, implementing the Low-Carbon Fuel Standard, and developing a cap-and-trade program.

At the time the Natural Resources Agency promulgated Guidelines Section 15064.4, the agency explained that the AB 32 Scoping Plan “may not be appropriate for use in determining the significance of individual projects . . . because it is conceptual at this state and relies of the future development of regulations to implement and the strategies identified in the Scoping Plan” (2009:26–27).

The technologically feasible and cost-effective measures listed in the AB 32 Scoping Plan are designed to be implemented by state agencies. Nevertheless, local governments and private developments can support AB 32 goals through consistent implementation of AB 32 Scoping Plan policies, where applicable. Extension of transit and increased electrified transit are core AB 32 strategies. Accordingly, the BART Extension Alternative would support state goals alternative transportation. Moreover, the BART Extension Alternative would result in a long-term GHG reduction. The BART Extension Alternative would therefore have a less-than-significant cumulative impact on consistency with the policies in the AB 32 Scoping Plan.

Consistency with the City of San Jose GHG Reduction Strategy and City of Santa Clara Climate Action Plan

The City of San Jose GHG Reduction Strategy states that urban design and land use planning are critical to the success of San Jose’s Green Vision. The city aims to promote high-density commercial and residential development near transit or on infill sites. This can be accomplished by increased transit options in the city. Therefore, the discussion of long-term planning in the Green Vision is consistent with the BART Extension Alternative.

The City of Santa Clara CAP includes a focus area related to reducing VMT for the service population (i.e., residents and employees). The BART Extension Alternative would increase transit ridership within the city’s service population and reduce regional VMT. This result would be consistent with the City of Santa Clara CAP goal of promoting GHG reductions by conserving resources and reducing the impacts of both existing and new development on the local and regional environment.

As described in the California Air Pollution Controls Officers Association (CAPCOA) resource document *Quantifying Greenhouse Gas Mitigation Measures*, a city general plan that locates urban land uses near transit is the single greatest tool for reducing GHG emissions–related climate change. Implementation of the BART Extension Alternative and the rail system would result in a regional GHG benefit by encouraging a modal shift from

single-occupancy vehicles to transit. Therefore, the BART Extension Alternative would be consistent with the City of Santa Clara CAP and City of San Jose GHG Reduction Strategy.

Consistency with Executive Orders EO S-3-05 and EO B-30-15 (post-2020 goals)

EO B-30-15 established an interim GHG reduction target of 40 percent below 1990 levels by 2030, and EO S-3-05 established a long-term goal of reducing statewide GHG emissions to 80 percent below 1990 levels by 2050. Achieving these long-term GHG reduction policies will require systemic changes in how energy is produced and used. In evaluating the BART Extension Alternative emissions for consistency with EO S-3-05 and EO B-30-15, it is important to note that many of these broad-scale shifts in how energy is produced and used are outside of the control of the BART Extension Alternative and are unknown. It is anticipated that state programs adopted to reduce post-2020 emissions will extend strategies outlined in the AB 32 Scoping Plan. Increased transit and electrification of the transportation sector will be critical components of any post-2020 policy. Accordingly, implementation of the BART Extension Alternative would facilitate anticipated GHG strategies adopted and recommended at the state level to reduce post-2020 emissions, consistent with goals outlined under EO B-30-15 and EO S-3-05. Moreover, the BART Extension Alternative would result in a long-term GHG reduction. The BART Extension Alternative would therefore have a less-than-significant cumulative impact on consistency with EO B-30-15 and EO S-3-05.

5.3.1.4 Climate Change Impacts of the BART Extension

Several impacts on the environment are expected throughout California as a result of global climate change. The extent of these effects is being defined as climate modeling tools become more refined. Regardless of the uncertainty in precise predictions, it is widely understood that substantial climate change is expected to occur in the future. Potential climate change impacts include, but are not limited to, extreme heat events, increased water and energy consumption, and changes in species distribution and range. Certain low-lying parts of San Jose and Santa Clara may be susceptible to flooding that has been influenced by climate-change events. Section 4.17, *Water Resources, Water Quality, and Floodplains*, of the Draft SEIS/SEIR includes a detailed discussion of potential flooding. Currently, all of the BART Extension Alternative within the floodplain is developed, partially developed, or zoned for development. Some of the projected base floodplain development would occur regardless of the BART Extension Alternative. In general, the BART Extension Alternative would be consistent with development plans for the area and would not significantly change the land use in the area because it is currently developed or zoned for development. The change in water surface elevation would be minimal because there would be minimal fill in the base floodplains with proper minimization measures. The BART Extension Alternative would not expose people or structures to the risk of flooding, create floodplains, or result in an increase in the base flood elevation. Natural and beneficial floodplain values would not be affected by the BART Extension Alternative.

Regarding adapting to climate change, the JPC is tasked with producing a Bay Area Climate and Energy Resilience Strategy to provide guidance on how to include protecting the Bay Area's economy, public health, infrastructure, and ecosystems from sea-level rise, water shortages, high energy prices, and other impacts in long-term regional and local planning, including *Plan Bay Area*. This work focuses on the institutional structures and resources that will be needed to create a multi-stakeholder adaptive management process on regional resilience. In September 2012, the JPC adopted a work plan to develop a Regional Sea Level Rise Adaptation Strategy. The objective of the project is to ensure the ongoing health and ecological viability of regional natural resources, such as San Francisco Bay; coordinate adaptation mechanisms that transcend local jurisdictional boundaries; and share the costs of adaptation responses at a regional level, especially when regional resources are involved. The sea-level rise adaptation strategy work plan focuses on providing enough background information and support to develop a "bottom up" regional strategy where the regional agencies work with local entities to assess vulnerabilities and risks, identify critical assets, explore adaptation options, and use a balanced approach to identify costs, benefits, and adaptation strategies for the natural resources/ecosystem services provided by the Bay and its watersheds.

In addition, *Plan Bay Area* provides a long-range framework to minimize transportation impacts on the environment, improve regional air quality, protect natural resources, and reduce GHG emissions by encouraging new development to locate near transit rather than areas poorly served or not served by transit. Mitigation Measure 2.5(c) in *Plan Bay Area* states that, "[m]itigation measures that shall be considered by implementing agencies and/or project sponsors where feasible based on project-and site-specific considerations include, but are not limited to the following. The project sponsors and implementing agencies shall coordinate with BCDC, Caltrans, local jurisdictions (cities and counties), and other transportation agencies to develop Transportation Asset Management Plans (TAMPs) that consider the potential impacts of sea level rise over the asset's life cycle." As stated above, the BART Extension Alternative would not expose people or structures to the risk of flooding, create floodplains, or result in an increase in the base flood elevation.

A range of other potential climate change impacts may affect the BART Extension Alternative, including increased temperatures, heat stress days, and water supplies. The BART Extension Alternative would not exacerbate these issues.

5.3.2 BART Extension with TOJD Alternative

5.3.2.1 GHG Emissions

Construction

Construction of the BART Extension with TOJD Alternative would generate direct emissions of CO₂, CH₄, and N₂O from mobile and stationary construction equipment exhaust as well as employee and haul truck vehicle exhaust. Indirect emissions would be generated from water

use for fugitive dust control. As previously discussed, construction of the BART Extension would result in 50,200 and 50,787 MT of CO₂e for the Twin-Bore and Single-Bore Options, respectively. It is anticipated that construction of the TOJDs would result in the following emissions.

- Alum Rock/28th Street Station: 2,203 MT of CO₂e
- 13th Street Ventilation Facility: 68 MT of CO₂e
- Downtown San Jose Station (East and West Options): 1,342 MT of CO₂e
- Diridon Station (South and North Options): 991 MT of CO₂e
- Stockton Avenue Ventilation Facility: 69 MT of CO₂e
- Santa Clara Station: 1,657 MT of CO₂e

BAAQMD's CEQA Guidelines do not identify a quantitative GHG emission threshold for construction emissions. Instead, BAAQMD recommends that GHG emissions from construction be quantified and disclosed and that a determination regarding the significance of the GHG emissions be made. Both the implementation of best management practices and a project's consistency with AB 32 GHG emission reduction goals are considered.

Air quality mitigation would require BAAQMD-recommended basic construction mitigation measures (i.e., best management practices), including limiting idling times to 5 minutes or less, limiting vehicle speeds to 15 mph or less, and performing equipment maintenance and tuning in accordance with manufacturer specifications (see Chapter 6, *Mitigation Measures*). These best management practices have been included as mitigation measures, and would reduce GHG emissions from on- and off-road equipment. Compliance with AB 32 GHG reduction goals is discussed below. That discussion concludes that the BART extension would be consistent with AB 32 GHG reduction goals.

5.3.2.2 Operations

Operational emissions have been estimated for the BART Extension and the TOJDs. As previously discussed, the BART Extension emissions analysis accounts for changes in regional VMT and electricity production need to power the extended system. TOJD emissions were estimated in CalEEMod and account for electricity, water, and natural gas consumption as well as solid waste decomposition. Vehicle trips associated with the TOJDs are included in the regional VMT analysis utilized to estimate the change in regional emissions associated with the reduction in VMT due to increased ridership of BART.

Although emissions from area sources would not change over time, based on the CalEEMod methodology, mobile-source emissions would vary in 2015, 2025, and 2035. The Existing plus BART Extension with TOJD Alternative (2015) assesses the BART Extension with TOJD Alternative as if it were to be built in the baseline condition. This is an unrealistic scenario because the Project cannot be constructed and begin operations within the current year of analysis. These emissions have been presented for information only. The impact

conclusion is therefore based on the 2025 Opening Year and 2035 Forecast Year. As shown in Table 5-3, Project emissions would decrease emissions in 2025, but slightly increase in 2035.

Table 5-3: Carbon Dioxide Equivalent Emissions – BART Extension with TOJD

Scenario and Emission Sources	Carbon Dioxide Equivalent
	Metric Tons per Year
2015 Existing + BART Extension with TOJD Alternative	
Net Change in Vehicular Emissions from Increased Ridership	(-42,451)
BART Electricity-Related Emissions	615
TOJD Emissions (Area, Energy, Waste, and Water Sources)	24,518
Total Emissions	(-17,318)
2025 Opening Year	
Net Change in Vehicular Emissions from Increased Ridership	(-29,376)
BART Electricity-Related Emissions	615
TOJD Emissions (Area, Energy, Waste, and Water Sources)	24,518
Total Emissions	(-4,243)
2035 Forecast Year	
Net Change in Vehicular Emissions from Increased Ridership	(-22,341)
BART Electricity-Related Emissions	615
TOJD Emissions (Area, Energy, Waste, and Water Sources)	24,518
Total Emissions	3,202
Analysis threshold	0
Source: CARB, CalEEMod version 2013.2.2, and TAHA 2015.	

A separate analysis on the TOJDs was performed to evaluate their efficiency (Table 5-4). Because the BART Extension Alternative would reduce GHG emissions (Table 5-3), this analysis is disclosed for informational purposes to isolate TOJD emissions and ensure the developments are constructed as efficiently as possible and all feasible mitigation is considered. Accordingly, near-term (2026) TOJD emissions are compared to BAAQMD’s efficiency metric of 4.6 MT of CO₂e per year per service population (residents and employees). Forecast Year (2035) TOJD emissions are compared to a substantial progress indicator of 2.0 MT of CO₂e per year per service population. The substantial progress indicator was calculated for 2035 based on the GHG reduction goals established under EO B-30-15 and EO S-3-05 (40 percent reduction below 1990 levels by 2030 and 80 percent reduction below 1990 levels by 2050, taking into account the 1990 emissions levels and the projected 2035 statewide population and employment levels).

Table 5-4: Carbon Dioxide Equivalent Emissions – TOJD

Alternative	Carbon Dioxide Equivalent
	Metric Tons per Year
TOJD	
<i>Alum Rock/28th Street Station</i>	
Area	16
Energy	5,507
Waste	279
Water	373
<i>Subtotal</i>	<i>6,175</i>
<i>13th Street Ventilation Facility</i>	
Area	<1
Energy	46
Waste	6
Water	3
<i>Subtotal</i>	<i>55</i>
<i>Downtown San Jose Station^a</i>	
Area	<1
Energy	5,766
Waste	338
Water	419
<i>Subtotal</i>	<i>6,523</i>
<i>Diridon Station (South and North Options)</i>	
Area	<1
Energy	4,837
Waste	305
Water	410
<i>Subtotal</i>	<i>5,552</i>
<i>Stockton Avenue Ventilation Facility</i>	
Area	<1
Energy	53
Waste	7
Water	4
<i>Subtotal</i>	<i>64</i>
<i>Santa Clara Station</i>	
Area	12
Energy	5,501
Waste	272
Water	364
<i>Subtotal</i>	<i>6,149</i>

Alternative	Carbon Dioxide Equivalent
	Metric Tons per Year
2015 Existing + BART Extension with TOJD Alternative	
Area Sources	24,518
Mobile Sources (All TOJD)	26,537
Service Population (Residents + Employees)	10,841
Service Population Annual Per Capita Emissions	4.7
2025 Opening Year	
Area Sources	24,518
Mobile Sources (All TOJD)	18,358
Service Population (Residents + Employees)	11,054
Service Population Annual Per Capita Emissions	3.9
BAAQMD Significance Threshold	4.6
Exceeds Threshold?	No
2035 Forecast Year	
Area Sources	24,518
Mobile Sources (All TOJD)	13,724
Service Population (Residents + Employees)	11,054
Service Population Annual Per Capita Emissions	3.5
BAAQMD Significance Threshold	2.0
Exceeds Threshold?	Yes
Source: CARB, CalEEMod version 2013.2.2 and TAHA 2015.	
^a The Downtown San Jose Station represents the East Option, which includes more development than the West Option.	

Implementation of the BART Extension would result in a regional mobile source GHG benefit by encouraging a modal shift from single-occupancy vehicles to transit. In addition, the mixed-used developments would locate infill residential, office, and retail development near transit lines that would be within walking distance and minimize automobile-dependent development. The BART Extension with TOJD Alternative would result in a net GHG reduction during 2025 Opening Year conditions. As shown in Table 5-4, the TOJDs on their own would also be constructed to an average efficiency consistent with BAAQMD’s service population threshold, which was established based on AB 32 goals. Accordingly, the Project would result in a less-than-significant near-term GHG impact.

The mode shift benefits observed in 2025 are not as substantial in 2035. This is due to improvements in onroad engine technologies and increasingly stringent regulations, which are anticipated to reduce emissions from future passenger vehicles. The mode shift benefit achieved by the BART Extension would therefore not be sufficient to offset GHG emissions from increased BART electricity consumption and the TOJDs in 2035. Accordingly, the BART Extension with TOJD Alternative would result in a net increase in long-term (2035) GHG emissions. As shown in Table 5-4, the TOJDs on their own would also not meet the substantial progress indicator.

As discussed above, large reductions will need to be made through state (and, most likely, federal) action to achieve the deep-cuts in GHG emissions recommended by the AEP and outlined in EOs S-03-05 and B-30-15. The specific project-level benefits of future state (or federal) action cannot be presumed at this time, although it is likely the BART Extension with TOJD Alternative's actual emissions in 2035 may be less than the levels presented in this analysis. Although it is possible that future state and federal actions will reduce project emissions to net negative and TOJD emissions to a level below substantial, this cannot be presumed at this time.

Mitigation Measures **GHG-1** through **GHG-4** (Chapter 6) apply to the TOJDs. Implementation of these mitigation measures would reduce GHG emissions from the BART Extension with TOJD Alternative. However, as explained above, emissions cannot be demonstrated to achieve a net negative impact. Therefore, out of an abundance of caution, it is conservatively assumed that the BART Extension with TOJD Alternative's long-term (2035) emissions would be **significant and unavoidable**.

5.3.2.3 Consistency with GHG Reduction Plans

As noted above, three plans relevant to the BART Extension with TOJD Alternative have been adopted for the purposes of reducing GHG emissions: the AB 32 Scoping Plan, the City of San Jose GHG Reduction Strategy, and the City of Santa Clara CAP. Project consistency with these three plans is reviewed below. In addition, consistency with EO S-03-05 and EO B-30-15 is also considered. Note that no state or local regulations have been adopted to enforce the executive orders.

Consistency with AB 32 Scoping Plan

As discussed above, the AB 32 Scoping Plan outlines a series of technologically feasible and cost-effective measures to reduce statewide GHG emissions, including expanding energy efficiency programs, increasing electricity production from renewable resources, increasing automobile efficiency, implementing the Low-Carbon Fuel Standard, and developing a cap-and-trade program. While these measures are designed to be implemented by state agencies, local governments and private developments can support AB 32 goals through consistent implementation of AB 32 Scoping Plan policies, where applicable. Extension of transit, increased electrified transit, compact development, and infill are core AB 32 strategies. Accordingly, the BART Extension and TOJDs would support state goals for alternative transportation and mixed use development. Moreover, the BART Extension would result in a near-term (2026) GHG reduction (AB 32 target year is 2020). The BART Extension with TOJD Alternative would therefore have a less-than-significant cumulative impact on consistency with the policies in the AB 32 Scoping Plan.

Consistency with the City of San Jose GHG Reduction Strategy and City of Santa Clara Climate Action Plan

The City of San Jose GHG Reduction Strategy states that urban design and land use planning are critical to the success of San Jose's Green Vision. The city aims to promote high-density commercial and residential development near transit or on infill sites. The city wants to limit low-density housing by encouraging builders to create opportunities for residents and employees to walk to retail, entertainment venues, parks, and schools in all neighborhoods. This discussion of long-term planning in the Green Vision is consistent with the BART Extension with TOJD Alternative. The TOJDs would locate high-density commercial and residential land uses in proximity to a mature public transit system.

The City of Santa Clara CAP includes a focus area related to reducing VMT for the service population (i.e., residents and employees). The BART Extension with TOJD Alternative would encourage transit by locating TOJDs near the BART Extension. This would increase the percent of transit ridership within the city's service population and reduce regional VMT. This result would be consistent with the City of Santa Clara CAP goal of promoting GHG reductions by conserving resources and reducing the impacts of both existing and new development on the local and regional environment.

As described in the CAPCOA resource document *Quantifying Greenhouse Gas Mitigation Measures*, a city general plan that locates urban land uses near transit is the single greatest tool for reducing GHG emissions related climate change. Implementation of the BART Extension and the rail system would result in a regional GHG benefit by encouraging a modal shift from single-occupancy vehicles to transit. The TOJDs would locate infill residential and office development near transit lines that would be within walking distance and minimize automobile-dependent development. Therefore, the BART Extension with TOJD Alternative would be consistent with the City of Santa Clara CAP and City of San Jose GHG Reduction Strategy.

Consistency with Executive Orders EO S-3-05 and EO B-30-15

EO B-30-15 established an interim GHG reduction target of 40 percent below 1990 levels by 2030, and EO S-3-05 established a long-term goal of reducing statewide GHG emissions to 80 percent below 1990 levels by 2050. Achieving these long-term GHG reduction policies will require systemic changes in how energy is produced and used. In evaluating the BART Extension with TOJD Alternative's emissions for consistency with EO S-3-05 and EO B-30-15, it is important to note that many of these broad-scale shifts in how energy is produced and used are outside of the control of the BART Extension with TOJD Alternative and are unknown. It is anticipated that state programs adopted to reduce post-2020 emissions will extend strategies outlined in the AB 32 Scoping Plan. Increased transit, electrification of the transportation sector, and mixed-use development will be critical components of any post-2020 policy. While implementation of the BART Extension with TOJD Alternative would extend electrified transit and support transit-oriented development, GHG emissions associated with the

TOJDs are estimated to exceed the substantial progress indicator, which is based on the long-term EO goals. While it is likely future state programs would reduce project-level emissions reductions, the extent of those reductions is unknown. Accordingly, conclusions must be drawn from the estimates of emissions presented in this document. Therefore, out of an abundance of caution, it is conservatively assumed that the BART Extension with TOJD Alternative's emissions would be inconsistent with the goals in EO S-3-05 and EO B-30-15.

Mitigation Measures **GHG-1** through **GHG-4** apply to the TOJDs. Implementation of these mitigation measures would reduce GHG emissions from the BART Extension with TOJD Alternative. However, as explained above, emissions cannot be demonstrated to be less than the EO goals. This impact is considered **significant and unavoidable**.

5.3.3 Climate Change Impacts on the Project

The California Second District Court of Appeals has held that, although an EIR must analyze the environmental effects that may result from a project, an EIR is not required to examine the effects of the environment on a project (see *Ballona Wetlands Land Trust v. City of Los Angeles*, 201 Cal. App. 4th 455). Based on this ruling, an analysis of the effects of flooding associated with sea level rise or other climate-change effects on the Project site is not required under CEQA. As such, the following is presented for informational purposes only, and no significance determination is made from the analysis.

Several impacts on the environment are expected throughout California as a result of global climate change. The extent of these effects is being defined as climate modeling tools become more refined. Regardless of the uncertainty in precise predictions, it is widely understood that substantial climate change is expected to occur in the future. Potential climate change impacts include, but are not limited to, extreme heat events, increased water and energy consumption, and changes in species distribution and range. Certain low-lying parts of Cities of San Jose and Santa Clara may be susceptible to flooding that has been influenced by climate-change events. Section 4.17, *Water Resources, Water Quality, and Floodplains*, of the Draft SEIS/SEIR includes a detailed discussion of potential flooding. Currently, all of the BART Extension Alternative within the floodplain is developed, partially developed, or zoned for development. Some of the projected base floodplain development would occur regardless of the BART Extension with TOJD Alternative. In general, the BART Extension with TOJD Alternative would be consistent with development plans for the area and would not significantly change the land use in the area because it is currently developed or zoned for development. The change in water surface elevation would be minimal because there would be minimal fill in the base floodplains with proper minimization measures. The BART Extension with TOJD Alternative would not expose people or structures to the risk of flooding, create floodplains, or result in an increase in the base flood elevation. Natural and beneficial floodplain values would not be affected by the BART Extension with TOJD Alternative.

Regarding adapting to climate change, the JPC is tasked with producing a Bay Area Climate and Energy Resilience Strategy to provide guidance on how to include protecting the Bay Area's economy, public health, infrastructure, and ecosystems from sea-level rise, water shortages, high energy prices, and other impacts in long-term regional and local planning, including *Plan Bay Area*. This work focuses on the institutional structures and resources that will be needed to create a multi-stakeholder adaptive management process on regional resilience. In September 2012, the JPC adopted a work plan to develop a Regional Sea Level Rise Adaptation Strategy. The objective of the project is to ensure the ongoing health and ecological viability of regional natural resources, such as San Francisco Bay; coordinate adaptation mechanisms that transcend local jurisdictional boundaries; and share the costs of adaptation responses at a regional level, especially when regional resources are involved. The sea-level rise adaptation strategy work plan focuses on providing enough background information and support to develop a "bottom up" regional strategy where the regional agencies work with local entities to assess vulnerabilities and risks, identify critical assets, explore adaptation options, and use a balanced approach to identify costs, benefits, and adaptation strategies for the natural resources/ecosystem services provided by the Bay and its watersheds.

In addition, *Plan Bay Area* provides a long-range framework to minimize transportation impacts on the environment, improve regional air quality, protect natural resources, and reduce GHG emissions by encouraging new development to locate near transit rather than areas poorly served or not served by transit. Mitigation Measure 2.5(c) in *Plan Bay Area* states that, "[m]itigation measures that shall be considered by implementing agencies and/or project sponsors where feasible based on project-and site-specific considerations include, but are not limited to the following. The project sponsors and implementing agencies shall coordinate with BCDC, Caltrans, local jurisdictions (cities and counties), and other transportation agencies to develop TAMPs that consider the potential impacts of sea level rise over the asset's life cycle." As stated above, the BART Extension with TOJD Alternative would not expose people or structures to the risk of flooding, create floodplains, or result in an increase in the base flood elevation.

A range of other potential climate change impacts may affect the BART Extension with TOJD Alternative, including increased temperatures, heat stress days, and water supplies. The BART Extension with TOJD Alternative would not exacerbate these issues.

Chapter 6

Mitigation Measures

VTA will require construction contractors to implement basic and additional construction mitigation measures recommended by BAAQMD to reduce fugitive dust emissions. Emission reduction measures will include, at a minimum, the following applicable measures (additional measures may be identified by BAAQMD or the contractor, as appropriate). These measures apply to the BART Extension and the TOJD.

AQ-1 VTA will require construction contractors to implement basic construction mitigation measures and additional construction mitigation measures recommended by BAAQMD to reduce fugitive dust emissions. Emission reduction measures will include the following applicable measures or similar performing measures (additional measures may be identified by BAAQMD or the contractor, as appropriate).

- All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, unpaved access roads) shall be watered two times per day or as needed to control dust. In times of drought, an effective combination of dust controls may be used in lieu of watering, such as soil binders/stabilizers, or watering may be used to form a crust on undisturbed areas.
- All exposed surfaces shall be watered at a frequency that will maintain a minimum soil moisture content of 12 percent. Moisture content can be verified by lab samples or a moisture probe, although such verification is typically visual. No visible dust emissions are permitted to leave the construction area.
- All haul trucks that transport soil, sand, or other loose material off site shall be covered or moistened such that there are no dust emissions.
- All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day, or more frequently if needed to control track-out during active soil hauling operations. The use of dry power sweeping is prohibited.
- All vehicle speeds on unpaved roads shall be limited to 15 mph.
- Paving operations on roadways, driveways, and sidewalks shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading, unless seeding or a soil binder is used.
- A publicly visible sign shall be posted that includes the telephone number and name of the person to contact at VTA regarding dust complaints. This person shall respond and take corrective action within 48 hours. The BAAQMD

phone number shall also be visible to ensure compliance with applicable regulations.

- All excavation, grading, and/or demolition activities shall be suspended when average wind speeds exceed 20 mph.
- Windbreaks (e.g., fences with screening) shall be installed on the windward side(s) of disturbed construction areas where feasible. Windbreaks should have 50 percent (maximum) air porosity.
- Vegetative ground cover (e.g., fast-germinating native grass seed) shall be planted in disturbed areas as soon as possible and watered appropriately until vegetation is established.
- The simultaneous occurrence of excavation, grading, and ground-disturbing construction activities in the same area shall be limited. Activities shall be phased to reduce the amount of disturbed surfaces at any one time.
- All trucks and equipment, including their tires, shall use designated construction entrances/exits that have been constructed with rock, rumble strips, or other features to remove dirt from tires.
- Sediment and erosion control devices shall be installed on sites with a slope greater than 1 percent to prevent silt runoff from entering public roadways.

The following mitigation measures are either measures recommended by the BAAQMD to reduce construction -related exhaust emissions, or more stringent mitigation measures to reduce emissions. These measures apply to the BART Extension Alternative and the BART Extension with TOJD Alternative.

- AQ-2** Construction contracts shall stipulate that all off-road diesel-powered equipment used during construction will be equipped with EPA Tier 4 or cleaner engines, except for specialized construction equipment in which an EPA Tier 4 engine is not available. This mitigation measure assumes emission reductions compared with a fleet-wide average Tier 2 engine.
- AQ-3** All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
- AQ-4** Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations). Clear signage shall be provided for construction workers at all access points.
- AQ-5** All contractors shall use equipment that meets CARB's most recent certification standard for off-road heavy duty diesel engines.

- AQ-6** Construction contracts shall stipulate that all on-road heavy-duty diesel trucks with a gross vehicle weight rating of 19,500 pounds or greater used at the Project sites will comply with EPA 2007 on-road emission standards for PM₁₀ and NO_x (0.01 grams per brake horsepower-hour [g/bhp-hr] and 0.20 g/bhp-hr, respectively). These PM₁₀ and NO_x standards were phased in through the 2007 and 2010 model years on a percent of sales basis (50 percent of sales in 2007 to 2009 and 100 percent of sales in 2010). This mitigation measure assumes that all on-road heavy-duty diesel trucks will be model year 2010 and newer, with all trucks compliant with EPA 2007 on-road emission standards.
- AQ-7** Low sulfur fuel shall be utilized (diesel with 15 parts per million or less) for all construction equipment.
- AQ-8** Construction equipment and staging areas shall be located away from sensitive receptors and fresh air intake to buildings and air conditioners.

The following mitigation measure would reduce architectural coating emissions associated with construction of the BART Extension with TOJD Alternative.

- AQ-9** All contractors shall use low volatile organic compound (i.e., reactive organic gas) coatings beyond the BAAQMD requirements (i.e., Regulation 8, Rule 3: Architectural Coatings. VOC content is limited to 100 grams per liter for flat coating and 150 grams per liter for non-flat coating).

The following mitigation measure would reduce GHG emissions associated with TOJDs.

- GHG-1** TOJD energy efficiency shall be 15 percent better than the 2013 Title 24, Part 11 requirements or shall meet the Title 24, Part 11 requirements that are applicable at the time of issuance of the building permits for individual phases, whichever is more stringent.
- GHG-2** Restaurants shall be required to participate 100 percent in any extant city food waste programs and any that may be developed in the future. This mitigation measure shall be included as a mandatory performance standard for all agreements with developers of the TOJDs.
- GHG-3** TOJDs shall include installation of electrical outlets near all maintained landscaping areas to allow for the use of electrical landscaping equipment. This mitigation measure shall be included as a mandatory performance standard for all agreements with developers of the TOJDs.
- GHG-4** TOJDs shall provide preferential parking in all parking lots for electric vehicles and shall also provide charging equipment, as follows. This mitigation measure shall be included as a mandatory performance standard for all agreements with developers of the TOJDs.

- a) **Residential Use:** A total of 10 percent of the required parking spaces shall be provided with a listed cabinet, box, or enclosure and connected to a conduit that links the parking spaces to the electrical service in a manner approved by the building and safety official. Of the listed cabinets, boxes, or enclosures provided, 50 percent shall have the necessary electric vehicle supply equipment installed to provide active charging stations that are ready for use by residents. The remainder shall be installed at such time as they are needed for use by residents. Electrical vehicle batteries and charging technology may change substantially over the next 15 years. As such, the local jurisdiction shall have the discretion to modify the specific requirements for this measure over time, provided that 10 percent of the spaces have electrical service and 5 percent have active charging, depending on what the technology at the time requires.
- b) **Commercial Use:** New commercial uses shall provide the electrical service capacity necessary as well as all conduits and related equipment necessary to serve 2 percent of the parking spaces with charging stations. Of these parking spaces, 50 percent shall initially be provided with the equipment necessary to function as online charging stations upon completion of development. The remainder shall be installed at such time as they are needed for use by customers, employees, or other users. Electrical vehicle batteries and charging technology may change substantially over the next 15 years. As such, the local jurisdiction shall have the discretion to modify the specific requirements for this measure over time, provided that two percent of the spaces have electrical service and one percent have active charging, depending on what the technology at the time requires.

Chapter 7

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Chapter 8 References

- Bay Area Air Quality Management District (BAAQMD). May 2010. *California Environmental Quality Act, Air Quality Guidelines*.
- California Air Pollution Control Officers Association (CAPCOA). July 2013. *California Emissions Estimator Model*. Available: <http://www.caleemod.com>. Accessed: September 15, 2015.
- California Air Resources Board (CARB). April 2005. *Air Quality and Land Use Handbook*. Available: <https://www.arb.ca.gov/ch/landuse.htm>. Accessed: October 1, 2015.
- . *EMFAC2014 Model*. Available: <http://www.arb.ca.gov/emfac/2014/>. Accessed: September 15, 2015.
- . 2013. *Mobile Source Emission Inventory – EMFAC2011 Frequently Asked Questions*. Last revised: January, 2013. Available: <http://www.arb.ca.gov/msei/emfac2011-faq.htm>. Accessed: September 15, 2015.
- . 2013. *Area Designations Maps/ State and National*. Last revised: April 22, 2013. Available: <http://www.arb.ca.gov/desig/adm/adm.htm>. Accessed: October 5, 2015.
- . 2014. *Climate Change Scoping Plan First Update*. Last revised: May 22, 2014. Accessed: October 5, 2015.
- . 2015a. *iADAM Air Quality Data Statistics*. Available: <http://www.arb.ca.gov/adam/index.html>. Accessed: October 1, 2015.
- . 2015b. *Ambient Air Quality Standards*. Last revised: October 1, 2015. Available: <http://www.arb.ca.gov/research/aaqs/aaqs2.pdf>. Accessed: November 1, 2015.
- . No Date. *Air Quality Data Statistics. Top 4 Summary*. Available: <http://www.arb.ca.gov/adam/topfour/topfour1.php>. Accessed: November 2, 2015.
- California Department of Conservation. Division of Mines and Geology. 2000. *A General Location Guide for Ultramafic Rocks in California Areas More Likely to Contain Naturally Occurring Asbestos*. 2000. Available: ftp://ftp.consrv.ca.gov/pub/dmg/pubs/ofr/ofr_2000-019.pdf. Accessed: September 25, 2015.
- California Department of Transportation. 2015. *California Transportation Plan 2040*. March. Draft. Available: http://www.dot.ca.gov/hq/tpp/californiatransportationplan2040/Documents/index_docs/CTP_ReportPublicDraft_03022015.pdf.
- California Environmental Quality Act. 2014. *CEQA Statute and Guidelines*. Available: http://resources.ca.gov/ceqa/docs/2014_CEQA_Statutes_and_Guidelines.pdf.

- California Geological Survey. 2002. *Guidelines for Geologic Investigations of Naturally Occurring Asbestos in California*. California Department of Geology's Special Publication 124. Available:
http://www.conservation.ca.gov/cgs/minerals/hazardous_minerals/asbestos/Documents/Asbestos_Guidelines_SP124.pdf. Accessed: November 12, 2015.
- City of San Jose. 2007. *General Plan 2040*. Last revised: August 2007. Available:
<https://www.sanjoseca.gov/DocumentCenter/Home/View/474>. Accessed: October 2, 2015.
- City of Santa Clara. 2014. *General Plan*. Last revised: December 9, 2014. Available:
<http://www.santaclaraca.gov/government/departments/planning-inspection/planning-division/general-plan>. Accessed: October 2, 2015.
- Climate Registry. 2015. *Default Emissions Factors*. Available:
<http://www.theclimateregistry.org/wp-content/uploads/2015/04/2015-TCR-Default-EF-April-2015-FINAL.pdf>. Accessed: October 5, 2015.
- Council on Environmental Quality. 2016. *Final Guidance for Federal Departments and Agencies on Consideration of Greenhouse Gas Emissions and the Effects of Climate Change in National Environmental Policy Act Reviews*. August 1.
- Desert Research Institute. No Date. *General Climate Change Summary*. Available:
<http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca7821>. Accessed: October 29, 2015
- Federal Highway Administration. 2012. *Interim Guidance Update on Mobile Source Air Toxics Analysis in NEPA*. Last revised: December 6, 2012. Available:
http://www.fhwa.dot.gov/environment/air_quality/air_toxics/policy_and_guidance/aqintguidmem.cfm. Accessed: October 16, 2015.
- Hallmark, S. L, B. Wang, and R. Sperry. 2013. Comparison of On-Road Emissions for Hybrid and Regular Transit Buses. *Journal of the Air & Waste Management Association* 63(10):1212–1220.
- Hexagon Transportation Consultant, Inc. 2016. *VTA's BART Silicon Valley – Phase II Extension Project Draft Traffic Impact Analysis*.
- Metropolitan Transportation Commission (MTC). 2015. *Project Level Conformity, Fund Management System (FMS)*. Available: <http://fms.mtc.ca.gov/fms/>. Accessed: October 10, 2015.
- Natural Resources Agency. 2009. *Final Statement of Reasons for Regulatory Action: Amendments to the State CEQA Guidelines Addressing Analysis and Mitigation of Greenhouse Gas Emissions Pursuant to SB 97* (December).

- Science. 2012. *The Technology Path to Deep Greenhouse Gas Emissions Cuts by 2050: The Pivotal Role of Electricity*. James H. Williams, et al. (eds.). Available: <http://www.sciencemag.org/content/335/6064/53.full> (subscription service)
- University of California, Davis. 1997. *Transportation Project-Level Carbon Monoxide Protocol*. December. Available: http://www.dot.ca.gov/hq/env/air/documents/COProtocol_searchable.pdf. Accessed: September 15, 2015.
- U.S. Environmental Protection Agency (EPA). 2015. *Transportation Conformity Guidance For Quantitative Hot-spot Analyses in PM_{2.5} and PM₁₀ Nonattainment and Maintenance Areas*. Last revised: November 2015. Available: <http://www3.epa.gov/otaq/stateresources/transconf/documents/420b15084.pdf>. Accessed: Nov 5, 2015.
- . 2011. *AP-42 Paved Roads, Section 13.2.1*. Last revised: January 2011. Available: <http://www.epa.gov/ttn/chief/ap42/ch13/final/c13s0201.pdf>. Accessed: November 10, 2015.
- . 2013. *The Greenbook Nonattainment Areas for Criteria Pollutants*. Available: <http://www.epa.gov/oar/oaqps/greenbk/>. Accessed: October 13, 2015.
- Western Regional Climate Center. 2013. *NOAA Cooperative Stations—Temperature and Precipitation*. Available: <http://www.wrcc.dri.edu/climatedata/climsum/>. Accessed: October 13, 2015.

Appendix A
Emission Calculations

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**Construction
Emission Calculations
BART Facilities**

Operations
Emission Calculations
BART Facilities

BART Facilities - Calculation of GHG Emissions Due to Operation of Trains

Length of the alignment	5
Number of trains- departure/arrival per hour	13.5
Power Usage Intensity	0.00267 MWh/mile
CO2 Intensity Factors	641.35 lb/MWh
CH4 Intensity Factors	0.029 lb/MWh
N2O Intensity Factors	0.006 lb/MWh
Total Number of Miles Traveled Daily	1620 miles per day
Total Daily Power Usage	4.3 MWh/day
Daily Emissions	
CO2	2,774 lb/day
CH4	0.1 lb/day
N2O	0.03 lb/day
CO2e	2,785 lb/day
Annual Emissions	
CO2	459 MT/yr
CH4	0.02 MT/yr
N2O	0.004 MT/yr
CO2e	461 MT/yr

Construction and Operational Emissions
Planned Development
CalEEMod

CalEEMod Outputs
Using Standard Construction Equipment

BART Silicon Valley - 13th Street Vent Structure Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	13.00	1000sqft	0.30	13,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	10.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.1457	0.7488	0.5112	7.4000e-004	4.5100e-003	0.0500	0.0545	1.3800e-003	0.0463	0.0476	0.0000	67.7102	67.7102	0.0185	0.0000	68.0979
Total	0.1457	0.7488	0.5112	7.4000e-004	4.5100e-003	0.0500	0.0545	1.3800e-003	0.0463	0.0476	0.0000	67.7102	67.7102	0.0185	0.0000	68.0979

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.1457	0.7488	0.5112	7.4000e-004	3.9500e-003	0.0500	0.0540	1.1400e-003	0.0463	0.0474	0.0000	67.7101	67.7101	0.0185	0.0000	68.0979
Total	0.1457	0.7488	0.5112	7.4000e-004	3.9500e-003	0.0500	0.0540	1.1400e-003	0.0463	0.0474	0.0000	67.7101	67.7101	0.0185	0.0000	68.0979

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	12.42	0.00	1.03	17.39	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0576	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.4000e-004
Energy	1.7000e-004	1.5900e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	45.9372	45.9372	2.0300e-003	4.5000e-004	46.1179
Mobile	0.1837	0.2641	1.5094	4.2700e-003	0.3016	5.2300e-003	0.3069	0.0806	4.8300e-003	0.0855	0.0000	280.8448	280.8448	9.0500e-003	0.0000	281.0349
Waste						0.0000	0.0000		0.0000	0.0000	2.7708	0.0000	2.7708	0.1638	0.0000	6.2096
Water						0.0000	0.0000		0.0000	0.0000	0.3055	2.1167	2.4222	0.0315	7.6000e-004	3.3190
Total	0.2415	0.2657	1.5108	4.2800e-003	0.3016	5.3500e-003	0.3070	0.0806	4.9500e-003	0.0856	3.0763	328.8989	331.9752	0.2063	1.2100e-003	336.6816

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0576	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.4000e-004
Energy	1.7000e-004	1.5900e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	45.9372	45.9372	2.0300e-003	4.5000e-004	46.1179
Mobile	0.1837	0.2641	1.5094	4.2700e-003	0.3016	5.2300e-003	0.3069	0.0806	4.8300e-003	0.0855	0.0000	280.8448	280.8448	9.0500e-003	0.0000	281.0349
Waste						0.0000	0.0000		0.0000	0.0000	2.7708	0.0000	2.7708	0.1638	0.0000	6.2096
Water						0.0000	0.0000		0.0000	0.0000	0.3055	2.1167	2.4222	0.0315	7.6000e-004	3.3185
Total	0.2415	0.2657	1.5108	4.2800e-003	0.3016	5.3500e-003	0.3070	0.0806	4.9500e-003	0.0856	3.0763	328.8989	331.9752	0.2063	1.2100e-003	336.6811

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/13/2017	5	10	
2	Site Preparation	Site Preparation	1/14/2017	1/16/2017	5	1	
3	Grading	Grading	1/17/2017	1/18/2017	5	2	
4	Building Construction	Building Construction	1/19/2017	6/7/2017	5	100	
5	Paving	Paving	6/8/2017	6/14/2017	5	5	
6	Architectural Coating	Architectural Coating	6/15/2017	6/28/2017	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 19,500; Non-Residential Outdoor: 6,500 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	4.00	2.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.0200e-003	0.0524	0.0429	6.0000e-005		3.6300e-003	3.6300e-003		3.4600e-003	3.4600e-003	0.0000	5.3697	5.3697	1.0600e-003	0.0000	5.3919
Total	6.0200e-003	0.0524	0.0429	6.0000e-005		3.6300e-003	3.6300e-003		3.4600e-003	3.4600e-003	0.0000	5.3697	5.3697	1.0600e-003	0.0000	5.3919

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.3000e-004	2.2700e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3858	0.3858	2.0000e-005	0.0000	0.3862
Total	1.7000e-004	2.3000e-004	2.2700e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3858	0.3858	2.0000e-005	0.0000	0.3862

3.2 Demolition - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.0200e-003	0.0524	0.0429	6.0000e-005		3.6300e-003	3.6300e-003		3.4600e-003	3.4600e-003	0.0000	5.3697	5.3697	1.0600e-003	0.0000	5.3919
Total	6.0200e-003	0.0524	0.0429	6.0000e-005		3.6300e-003	3.6300e-003		3.4600e-003	3.4600e-003	0.0000	5.3697	5.3697	1.0600e-003	0.0000	5.3919

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.3000e-004	2.2700e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3858	0.3858	2.0000e-005	0.0000	0.3862
Total	1.7000e-004	2.3000e-004	2.2700e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3858	0.3858	2.0000e-005	0.0000	0.3862

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3000e-004	6.3400e-003	3.6200e-003	0.0000		3.9000e-004	3.9000e-004		3.5000e-004	3.5000e-004	0.0000	0.4336	0.4336	1.3000e-004	0.0000	0.4364
Total	6.3000e-004	6.3400e-003	3.6200e-003	0.0000	2.7000e-004	3.9000e-004	6.6000e-004	3.0000e-005	3.5000e-004	3.8000e-004	0.0000	0.4336	0.4336	1.3000e-004	0.0000	0.4364

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.1000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0193	0.0193	0.0000	0.0000	0.0193
Total	1.0000e-005	1.0000e-005	1.1000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0193	0.0193	0.0000	0.0000	0.0193

3.3 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2000e-004	0.0000	1.2000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3000e-004	6.3400e-003	3.6200e-003	0.0000		3.9000e-004	3.9000e-004		3.5000e-004	3.5000e-004	0.0000	0.4336	0.4336	1.3000e-004	0.0000	0.4364
Total	6.3000e-004	6.3400e-003	3.6200e-003	0.0000	1.2000e-004	3.9000e-004	5.1000e-004	1.0000e-005	3.5000e-004	3.6000e-004	0.0000	0.4336	0.4336	1.3000e-004	0.0000	0.4364

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.1000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0193	0.0193	0.0000	0.0000	0.0193
Total	1.0000e-005	1.0000e-005	1.1000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0193	0.0193	0.0000	0.0000	0.0193

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2000e-003	0.0105	8.5800e-003	1.0000e-005		7.3000e-004	7.3000e-004		6.9000e-004	6.9000e-004	0.0000	1.0739	1.0739	2.1000e-004	0.0000	1.0784
Total	1.2000e-003	0.0105	8.5800e-003	1.0000e-005	7.5000e-004	7.3000e-004	1.4800e-003	4.1000e-004	6.9000e-004	1.1000e-003	0.0000	1.0739	1.0739	2.1000e-004	0.0000	1.0784

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	5.0000e-005	4.5000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0772	0.0772	0.0000	0.0000	0.0772
Total	3.0000e-005	5.0000e-005	4.5000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0772	0.0772	0.0000	0.0000	0.0772

3.4 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.4000e-004	0.0000	3.4000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2000e-003	0.0105	8.5800e-003	1.0000e-005		7.3000e-004	7.3000e-004		6.9000e-004	6.9000e-004	0.0000	1.0739	1.0739	2.1000e-004	0.0000	1.0784
Total	1.2000e-003	0.0105	8.5800e-003	1.0000e-005	3.4000e-004	7.3000e-004	1.0700e-003	1.9000e-004	6.9000e-004	8.8000e-004	0.0000	1.0739	1.0739	2.1000e-004	0.0000	1.0784

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	5.0000e-005	4.5000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0772	0.0772	0.0000	0.0000	0.0772
Total	3.0000e-005	5.0000e-005	4.5000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0772	0.0772	0.0000	0.0000	0.0772

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0637	0.6337	0.4020	5.7000e-004		0.0428	0.0428		0.0394	0.0394	0.0000	52.5954	52.5954	0.0161	0.0000	52.9339
Total	0.0637	0.6337	0.4020	5.7000e-004		0.0428	0.0428		0.0394	0.0394	0.0000	52.5954	52.5954	0.0161	0.0000	52.9339

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0400e-003	8.9400e-003	0.0125	2.0000e-005	6.5000e-004	1.3000e-004	7.8000e-004	1.9000e-004	1.2000e-004	3.0000e-004	0.0000	2.1255	2.1255	2.0000e-005	0.0000	2.1258
Worker	6.7000e-004	9.4000e-004	9.0900e-003	2.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	5.0000e-004	0.0000	1.5431	1.5431	8.0000e-005	0.0000	1.5448
Total	1.7100e-003	9.8800e-003	0.0216	4.0000e-005	2.4700e-003	1.4000e-004	2.6100e-003	6.7000e-004	1.3000e-004	8.0000e-004	0.0000	3.6686	3.6686	1.0000e-004	0.0000	3.6706

3.5 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0637	0.6337	0.4020	5.7000e-004		0.0428	0.0428		0.0394	0.0394	0.0000	52.5954	52.5954	0.0161	0.0000	52.9338
Total	0.0637	0.6337	0.4020	5.7000e-004		0.0428	0.0428		0.0394	0.0394	0.0000	52.5954	52.5954	0.0161	0.0000	52.9338

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0400e-003	8.9400e-003	0.0125	2.0000e-005	6.5000e-004	1.3000e-004	7.8000e-004	1.9000e-004	1.2000e-004	3.0000e-004	0.0000	2.1255	2.1255	2.0000e-005	0.0000	2.1258
Worker	6.7000e-004	9.4000e-004	9.0900e-003	2.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	5.0000e-004	0.0000	1.5431	1.5431	8.0000e-005	0.0000	1.5448
Total	1.7100e-003	9.8800e-003	0.0216	4.0000e-005	2.4700e-003	1.4000e-004	2.6100e-003	6.7000e-004	1.3000e-004	8.0000e-004	0.0000	3.6686	3.6686	1.0000e-004	0.0000	3.6706

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6000e-003	0.0246	0.0181	3.0000e-005		1.5000e-003	1.5000e-003		1.3900e-003	1.3900e-003	0.0000	2.4243	2.4243	6.7000e-004	0.0000	2.4384
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.6000e-003	0.0246	0.0181	3.0000e-005		1.5000e-003	1.5000e-003		1.3900e-003	1.3900e-003	0.0000	2.4243	2.4243	6.7000e-004	0.0000	2.4384

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	2.1000e-004	2.0400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3472	0.3472	2.0000e-005	0.0000	0.3476
Total	1.5000e-004	2.1000e-004	2.0400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3472	0.3472	2.0000e-005	0.0000	0.3476

3.6 Paving - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6000e-003	0.0246	0.0181	3.0000e-005		1.5000e-003	1.5000e-003		1.3900e-003	1.3900e-003	0.0000	2.4243	2.4243	6.7000e-004	0.0000	2.4384
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.6000e-003	0.0246	0.0181	3.0000e-005		1.5000e-003	1.5000e-003		1.3900e-003	1.3900e-003	0.0000	2.4243	2.4243	6.7000e-004	0.0000	2.4384

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	2.1000e-004	2.0400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3472	0.3472	2.0000e-005	0.0000	0.3476
Total	1.5000e-004	2.1000e-004	2.0400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3472	0.3472	2.0000e-005	0.0000	0.3476

3.7 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0678					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6600e-003	0.0109	9.3400e-003	1.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	1.2766	1.2766	1.3000e-004	0.0000	1.2795
Total	0.0695	0.0109	9.3400e-003	1.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	1.2766	1.2766	1.3000e-004	0.0000	1.2795

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	2.3000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0386
Total	2.0000e-005	2.0000e-005	2.3000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0386

3.7 Architectural Coating - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0678					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6600e-003	0.0109	9.3400e-003	1.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	1.2766	1.2766	1.3000e-004	0.0000	1.2795
Total	0.0695	0.0109	9.3400e-003	1.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	1.2766	1.2766	1.3000e-004	0.0000	1.2795

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	2.3000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0386
Total	2.0000e-005	2.0000e-005	2.3000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0386

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1837	0.2641	1.5094	4.2700e-003	0.3016	5.2300e-003	0.3069	0.0806	4.8300e-003	0.0855	0.0000	280.8448	280.8448	9.0500e-003	0.0000	281.0349
Unmitigated	0.1837	0.2641	1.5094	4.2700e-003	0.3016	5.2300e-003	0.3069	0.0806	4.8300e-003	0.0855	0.0000	280.8448	280.8448	9.0500e-003	0.0000	281.0349

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	576.16	546.52	265.59	812,458	812,458
Total	576.16	546.52	265.59	812,458	812,458

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	44.2098	44.2098	2.0000e-003	4.1000e-004	44.3800
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	44.2098	44.2098	2.0000e-003	4.1000e-004	44.3800
NaturalGas Mitigated	1.7000e-004	1.5900e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7274	1.7274	3.0000e-005	3.0000e-005	1.7379
NaturalGas Unmitigated	1.7000e-004	1.5900e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7274	1.7274	3.0000e-005	3.0000e-005	1.7379

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Strip Mall	32370	1.7000e-004	1.5900e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7274	1.7274	3.0000e-005	3.0000e-005	1.7379
Total		1.7000e-004	1.5900e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7274	1.7274	3.0000e-005	3.0000e-005	1.7379

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Strip Mall	32370	1.7000e-004	1.5900e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7274	1.7274	3.0000e-005	3.0000e-005	1.7379
Total		1.7000e-004	1.5900e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7274	1.7274	3.0000e-005	3.0000e-005	1.7379

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Strip Mall	151970	44.2098	2.0000e-003	4.1000e-004	44.3800
Total		44.2098	2.0000e-003	4.1000e-004	44.3800

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Strip Mall	151970	44.2098	2.0000e-003	4.1000e-004	44.3800
Total		44.2098	2.0000e-003	4.1000e-004	44.3800

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0576	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.4000e-004
Unmitigated	0.0576	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.4000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	6.7800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0508					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.4000e-004
Total	0.0576	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.4000e-004

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	6.7800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0508					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.4000e-004
Total	0.0576	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.4000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.4222	0.0315	7.6000e-004	3.3185
Unmitigated	2.4222	0.0315	7.6000e-004	3.3190

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Strip Mall	0.962943 / 0.590191	2.4222	0.0315	7.6000e-004	3.3190
Total		2.4222	0.0315	7.6000e-004	3.3190

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Strip Mall	0.962943 / 0.590191	2.4222	0.0315	7.6000e-004	3.3185
Total		2.4222	0.0315	7.6000e-004	3.3185

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.7708	0.1638	0.0000	6.2096
Unmitigated	2.7708	0.1638	0.0000	6.2096

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Strip Mall	13.65	2.7708	0.1638	0.0000	6.2096
Total		2.7708	0.1638	0.0000	6.2096

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Strip Mall	13.65	2.7708	0.1638	0.0000	6.2096
Total		2.7708	0.1638	0.0000	6.2096

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley - 13th Street Vent Structure Santa Clara County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	13.00	1000sqft	0.30	13,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	10.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	13.8933	12.8637	9.0732	0.0132	0.8471	0.8582	1.5743	0.4388	0.7895	1.1324	0.0000	1,275.1949	1,275.1949	0.3574	0.0000	1,282.6996
Total	13.8933	12.8637	9.0732	0.0132	0.8471	0.8582	1.5743	0.4388	0.7895	1.1324	0.0000	1,275.1949	1,275.1949	0.3574	0.0000	1,282.6996

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	13.8933	12.8637	9.0732	0.0132	0.4331	0.8582	1.1603	0.2112	0.7895	0.9048	0.0000	1,275.1949	1,275.1949	0.3574	0.0000	1,282.6996
Total	13.8933	12.8637	9.0732	0.0132	0.4331	0.8582	1.1603	0.2112	0.7895	0.9048	0.0000	1,275.1949	1,275.1949	0.3574	0.0000	1,282.6996

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	48.88	0.00	26.30	51.87	0.00	20.10	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Energy	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
Mobile	1.1508	1.4920	8.4353	0.0271	1.8739	0.0314	1.9053	0.4996	0.0290	0.5286		1,961.7269	1,961.7269	0.0599		1,962.9848
Total	1.4673	1.5007	8.4439	0.0272	1.8739	0.0320	1.9060	0.4996	0.0296	0.5292		1,972.1633	1,972.1633	0.0601	1.9000e-004	1,973.4848

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Energy	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
Mobile	1.1508	1.4920	8.4353	0.0271	1.8739	0.0314	1.9053	0.4996	0.0290	0.5286		1,961.7269	1,961.7269	0.0599		1,962.9848
Total	1.4673	1.5007	8.4439	0.0272	1.8739	0.0320	1.9060	0.4996	0.0296	0.5292		1,972.1633	1,972.1633	0.0601	1.9000e-004	1,973.4848

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/13/2017	5	10	
2	Site Preparation	Site Preparation	1/14/2017	1/16/2017	5	1	
3	Grading	Grading	1/17/2017	1/18/2017	5	2	
4	Building Construction	Building Construction	1/19/2017	6/7/2017	5	100	
5	Paving	Paving	6/8/2017	6/14/2017	5	5	
6	Architectural Coating	Architectural Coating	6/15/2017	6/28/2017	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 19,500; Non-Residential Outdoor: 6,500 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	4.00	2.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266		0.6930	0.6930		1,183.8131	1,183.8131	0.2333		1,188.7118
Total	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266		0.6930	0.6930		1,183.8131	1,183.8131	0.2333		1,188.7118

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0361	0.0418	0.4908	1.1300e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		91.3818	91.3818	4.3200e-003		91.4725
Total	0.0361	0.0418	0.4908	1.1300e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		91.3818	91.3818	4.3200e-003		91.4725

3.2 Demolition - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266		0.6930	0.6930	0.0000	1,183.813 1	1,183.813 1	0.2333		1,188.711 8
Total	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266		0.6930	0.6930	0.0000	1,183.813 1	1,183.813 1	0.2333		1,188.711 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0361	0.0418	0.4908	1.1300e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		91.3818	91.3818	4.3200e-003		91.4725
Total	0.0361	0.0418	0.4908	1.1300e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		91.3818	91.3818	4.3200e-003		91.4725

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.2694	12.6852	7.2319	9.3300e-003		0.7705	0.7705		0.7089	0.7089		955.8663	955.8663	0.2929		962.0167
Total	1.2694	12.6852	7.2319	9.3300e-003	0.5303	0.7705	1.3007	0.0573	0.7089	0.7661		955.8663	955.8663	0.2929		962.0167

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0181	0.0209	0.2454	5.7000e-004	0.0472	3.5000e-004	0.0475	0.0125	3.2000e-004	0.0128		45.6909	45.6909	2.1600e-003		45.7362
Total	0.0181	0.0209	0.2454	5.7000e-004	0.0472	3.5000e-004	0.0475	0.0125	3.2000e-004	0.0128		45.6909	45.6909	2.1600e-003		45.7362

3.3 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	1.2694	12.6852	7.2319	9.3300e-003		0.7705	0.7705		0.7089	0.7089	0.0000	955.8663	955.8663	0.2929		962.0167
Total	1.2694	12.6852	7.2319	9.3300e-003	0.2386	0.7705	1.0091	0.0258	0.7089	0.7346	0.0000	955.8663	955.8663	0.2929		962.0167

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0181	0.0209	0.2454	5.7000e-004	0.0472	3.5000e-004	0.0475	0.0125	3.2000e-004	0.0128		45.6909	45.6909	2.1600e-003		45.7362
Total	0.0181	0.0209	0.2454	5.7000e-004	0.0472	3.5000e-004	0.0475	0.0125	3.2000e-004	0.0128		45.6909	45.6909	2.1600e-003		45.7362

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266		0.6930	0.6930		1,183.8131	1,183.8131	0.2333		1,188.7118
Total	1.2049	10.4761	8.5825	0.0120	0.7528	0.7266	1.4794	0.4138	0.6930	1.1068		1,183.8131	1,183.8131	0.2333		1,188.7118

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0361	0.0418	0.4908	1.1300e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		91.3818	91.3818	4.3200e-003		91.4725
Total	0.0361	0.0418	0.4908	1.1300e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		91.3818	91.3818	4.3200e-003		91.4725

3.4 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3387	0.0000	0.3387	0.1862	0.0000	0.1862			0.0000			0.0000
Off-Road	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266		0.6930	0.6930	0.0000	1,183.813 1	1,183.813 1	0.2333		1,188.711 8
Total	1.2049	10.4761	8.5825	0.0120	0.3387	0.7266	1.0653	0.1862	0.6930	0.8792	0.0000	1,183.813 1	1,183.813 1	0.2333		1,188.711 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0361	0.0418	0.4908	1.1300e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		91.3818	91.3818	4.3200e-003		91.4725
Total	0.0361	0.0418	0.4908	1.1300e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		91.3818	91.3818	4.3200e-003		91.4725

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2740	12.6738	8.0395	0.0113		0.8553	0.8553		0.7869	0.7869		1,159.5310	1,159.5310	0.3553		1,166.9919
Total	1.2740	12.6738	8.0395	0.0113		0.8553	0.8553		0.7869	0.7869		1,159.5310	1,159.5310	0.3553		1,166.9919

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0190	0.1732	0.1977	4.8000e-004	0.0133	2.5800e-003	0.0159	3.8000e-003	2.3700e-003	6.1700e-003		47.0098	47.0098	3.6000e-004		47.0173
Worker	0.0144	0.0167	0.1963	4.5000e-004	0.0377	2.8000e-004	0.0380	0.0100	2.6000e-004	0.0103		36.5527	36.5527	1.7300e-003		36.5890
Total	0.0334	0.1899	0.3940	9.3000e-004	0.0510	2.8600e-003	0.0539	0.0138	2.6300e-003	0.0164		83.5625	83.5625	2.0900e-003		83.6063

3.5 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2740	12.6738	8.0395	0.0113		0.8553	0.8553		0.7869	0.7869	0.0000	1,159.5310	1,159.5310	0.3553		1,166.9919
Total	1.2740	12.6738	8.0395	0.0113		0.8553	0.8553		0.7869	0.7869	0.0000	1,159.5310	1,159.5310	0.3553		1,166.9919

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0190	0.1732	0.1977	4.8000e-004	0.0133	2.5800e-003	0.0159	3.8000e-003	2.3700e-003	6.1700e-003		47.0098	47.0098	3.6000e-004		47.0173
Worker	0.0144	0.0167	0.1963	4.5000e-004	0.0377	2.8000e-004	0.0380	0.0100	2.6000e-004	0.0103		36.5527	36.5527	1.7300e-003		36.5890
Total	0.0334	0.1899	0.3940	9.3000e-004	0.0510	2.8600e-003	0.0539	0.0138	2.6300e-003	0.0164		83.5625	83.5625	2.0900e-003		83.6063

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0406	9.8344	7.2432	0.0111		0.6018	0.6018		0.5572	0.5572		1,068.9366	1,068.9366	0.2968		1,075.1698
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0406	9.8344	7.2432	0.0111		0.6018	0.6018		0.5572	0.5572		1,068.9366	1,068.9366	0.2968		1,075.1698

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003		164.6504
Total	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003		164.6504

3.6 Paving - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0406	9.8344	7.2432	0.0111		0.6018	0.6018		0.5572	0.5572	0.0000	1,068.9366	1,068.9366	0.2968		1,075.1698
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0406	9.8344	7.2432	0.0111		0.6018	0.6018		0.5572	0.5572	0.0000	1,068.9366	1,068.9366	0.2968		1,075.1698

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003		164.6504
Total	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003		164.6504

3.7 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.5574					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721
Total	13.8897	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.6100e-003	4.1800e-003	0.0491	1.1000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	6.0000e-005	2.5700e-003		9.1382	9.1382	4.3000e-004		9.1473
Total	3.6100e-003	4.1800e-003	0.0491	1.1000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	6.0000e-005	2.5700e-003		9.1382	9.1382	4.3000e-004		9.1473

3.7 Architectural Coating - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.5574					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.0721
Total	13.8897	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.0721

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.6100e-003	4.1800e-003	0.0491	1.1000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	6.0000e-005	2.5700e-003		9.1382	9.1382	4.3000e-004		9.1473
Total	3.6100e-003	4.1800e-003	0.0491	1.1000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	6.0000e-005	2.5700e-003		9.1382	9.1382	4.3000e-004		9.1473

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1508	1.4920	8.4353	0.0271	1.8739	0.0314	1.9053	0.4996	0.0290	0.5286		1,961.7269	1,961.7269	0.0599		1,962.9848
Unmitigated	1.1508	1.4920	8.4353	0.0271	1.8739	0.0314	1.9053	0.4996	0.0290	0.5286		1,961.7269	1,961.7269	0.0599		1,962.9848

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	576.16	546.52	265.59	812,458	812,458
Total	576.16	546.52	265.59	812,458	812,458

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
NaturalGas Unmitigated	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Strip Mall	88.6849	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
Total		9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Strip Mall	0.0886849	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
Total		9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Unmitigated	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0371					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Total	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0371					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Total	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley - 13th Street Vent Structure Santa Clara County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	13.00	1000sqft	0.30	13,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	10.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	13.8933	12.8752	9.0501	0.0131	0.8471	0.8582	1.5743	0.4388	0.7896	1.1324	0.0000	1,267.820 7	1,267.820 7	0.3574	0.0000	1,275.325 6
Total	13.8933	12.8752	9.0501	0.0131	0.8471	0.8582	1.5743	0.4388	0.7896	1.1324	0.0000	1,267.820 7	1,267.820 7	0.3574	0.0000	1,275.325 6

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	13.8933	12.8752	9.0501	0.0131	0.4331	0.8582	1.1603	0.2112	0.7896	0.9048	0.0000	1,267.820 7	1,267.820 7	0.3574	0.0000	1,275.325 6
Total	13.8933	12.8752	9.0501	0.0131	0.4331	0.8582	1.1603	0.2112	0.7896	0.9048	0.0000	1,267.820 7	1,267.820 7	0.3574	0.0000	1,275.325 6

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	48.88	0.00	26.30	51.87	0.00	20.10	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Energy	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
Mobile	1.1874	1.6520	10.1223	0.0254	1.8739	0.0315	1.9055	0.4996	0.0291	0.5287		1,841.1010	1,841.1010	0.0601		1,842.3620
Total	1.5038	1.6607	10.1310	0.0254	1.8739	0.0322	1.9061	0.4996	0.0298	0.5294		1,851.5373	1,851.5373	0.0603	1.9000e-004	1,852.8620

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Energy	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
Mobile	1.1874	1.6520	10.1223	0.0254	1.8739	0.0315	1.9055	0.4996	0.0291	0.5287		1,841.1010	1,841.1010	0.0601		1,842.3620
Total	1.5038	1.6607	10.1310	0.0254	1.8739	0.0322	1.9061	0.4996	0.0298	0.5294		1,851.5373	1,851.5373	0.0603	1.9000e-004	1,852.8620

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/13/2017	5	10	
2	Site Preparation	Site Preparation	1/14/2017	1/16/2017	5	1	
3	Grading	Grading	1/17/2017	1/18/2017	5	2	
4	Building Construction	Building Construction	1/19/2017	6/7/2017	5	100	
5	Paving	Paving	6/8/2017	6/14/2017	5	5	
6	Architectural Coating	Architectural Coating	6/15/2017	6/28/2017	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 19,500; Non-Residential Outdoor: 6,500 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	4.00	2.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266		0.6930	0.6930		1,183.8131	1,183.8131	0.2333		1,188.7118
Total	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266		0.6930	0.6930		1,183.8131	1,183.8131	0.2333		1,188.7118

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0358	0.0512	0.4677	1.0400e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		84.0076	84.0076	4.3200e-003		84.0983
Total	0.0358	0.0512	0.4677	1.0400e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		84.0076	84.0076	4.3200e-003		84.0983

3.2 Demolition - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266		0.6930	0.6930	0.0000	1,183.813 1	1,183.813 1	0.2333		1,188.711 8
Total	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266		0.6930	0.6930	0.0000	1,183.813 1	1,183.813 1	0.2333		1,188.711 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0358	0.0512	0.4677	1.0400e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		84.0076	84.0076	4.3200e-003		84.0983
Total	0.0358	0.0512	0.4677	1.0400e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		84.0076	84.0076	4.3200e-003		84.0983

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.2694	12.6852	7.2319	9.3300e-003		0.7705	0.7705		0.7089	0.7089		955.8663	955.8663	0.2929		962.0167
Total	1.2694	12.6852	7.2319	9.3300e-003	0.5303	0.7705	1.3007	0.0573	0.7089	0.7661		955.8663	955.8663	0.2929		962.0167

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0179	0.0256	0.2338	5.2000e-004	0.0472	3.5000e-004	0.0475	0.0125	3.2000e-004	0.0128		42.0038	42.0038	2.1600e-003		42.0491
Total	0.0179	0.0256	0.2338	5.2000e-004	0.0472	3.5000e-004	0.0475	0.0125	3.2000e-004	0.0128		42.0038	42.0038	2.1600e-003		42.0491

3.3 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	1.2694	12.6852	7.2319	9.3300e-003		0.7705	0.7705		0.7089	0.7089	0.0000	955.8663	955.8663	0.2929		962.0167
Total	1.2694	12.6852	7.2319	9.3300e-003	0.2386	0.7705	1.0091	0.0258	0.7089	0.7346	0.0000	955.8663	955.8663	0.2929		962.0167

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0179	0.0256	0.2338	5.2000e-004	0.0472	3.5000e-004	0.0475	0.0125	3.2000e-004	0.0128		42.0038	42.0038	2.1600e-003		42.0491
Total	0.0179	0.0256	0.2338	5.2000e-004	0.0472	3.5000e-004	0.0475	0.0125	3.2000e-004	0.0128		42.0038	42.0038	2.1600e-003		42.0491

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266		0.6930	0.6930		1,183.8131	1,183.8131	0.2333		1,188.7118
Total	1.2049	10.4761	8.5825	0.0120	0.7528	0.7266	1.4794	0.4138	0.6930	1.1068		1,183.8131	1,183.8131	0.2333		1,188.7118

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0358	0.0512	0.4677	1.0400e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		84.0076	84.0076	4.3200e-003		84.0983
Total	0.0358	0.0512	0.4677	1.0400e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		84.0076	84.0076	4.3200e-003		84.0983

3.4 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3387	0.0000	0.3387	0.1862	0.0000	0.1862			0.0000			0.0000
Off-Road	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266		0.6930	0.6930	0.0000	1,183.813 1	1,183.813 1	0.2333		1,188.711 8
Total	1.2049	10.4761	8.5825	0.0120	0.3387	0.7266	1.0653	0.1862	0.6930	0.8792	0.0000	1,183.813 1	1,183.813 1	0.2333		1,188.711 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0358	0.0512	0.4677	1.0400e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		84.0076	84.0076	4.3200e-003		84.0983
Total	0.0358	0.0512	0.4677	1.0400e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		84.0076	84.0076	4.3200e-003		84.0983

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2740	12.6738	8.0395	0.0113		0.8553	0.8553		0.7869	0.7869		1,159.5310	1,159.5310	0.3553		1,166.9919
Total	1.2740	12.6738	8.0395	0.0113		0.8553	0.8553		0.7869	0.7869		1,159.5310	1,159.5310	0.3553		1,166.9919

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0230	0.1809	0.3007	4.7000e-004	0.0133	2.6000e-003	0.0159	3.8000e-003	2.3900e-003	6.1900e-003		46.6490	46.6490	3.7000e-004		46.6568
Worker	0.0143	0.0205	0.1871	4.2000e-004	0.0377	2.8000e-004	0.0380	0.0100	2.6000e-004	0.0103		33.6030	33.6030	1.7300e-003		33.6393
Total	0.0374	0.2014	0.4878	8.9000e-004	0.0510	2.8800e-003	0.0539	0.0138	2.6500e-003	0.0165		80.2521	80.2521	2.1000e-003		80.2961

3.5 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2740	12.6738	8.0395	0.0113		0.8553	0.8553		0.7869	0.7869	0.0000	1,159.5310	1,159.5310	0.3553		1,166.9919
Total	1.2740	12.6738	8.0395	0.0113		0.8553	0.8553		0.7869	0.7869	0.0000	1,159.5310	1,159.5310	0.3553		1,166.9919

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0230	0.1809	0.3007	4.7000e-004	0.0133	2.6000e-003	0.0159	3.8000e-003	2.3900e-003	6.1900e-003		46.6490	46.6490	3.7000e-004		46.6568
Worker	0.0143	0.0205	0.1871	4.2000e-004	0.0377	2.8000e-004	0.0380	0.0100	2.6000e-004	0.0103		33.6030	33.6030	1.7300e-003		33.6393
Total	0.0374	0.2014	0.4878	8.9000e-004	0.0510	2.8800e-003	0.0539	0.0138	2.6500e-003	0.0165		80.2521	80.2521	2.1000e-003		80.2961

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0406	9.8344	7.2432	0.0111		0.6018	0.6018		0.5572	0.5572		1,068.9366	1,068.9366	0.2968		1,075.1698
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0406	9.8344	7.2432	0.0111		0.6018	0.6018		0.5572	0.5572		1,068.9366	1,068.9366	0.2968		1,075.1698

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769
Total	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769

3.6 Paving - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0406	9.8344	7.2432	0.0111		0.6018	0.6018		0.5572	0.5572	0.0000	1,068.9366	1,068.9366	0.2968		1,075.1698
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0406	9.8344	7.2432	0.0111		0.6018	0.6018		0.5572	0.5572	0.0000	1,068.9366	1,068.9366	0.2968		1,075.1698

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769
Total	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769

3.7 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.5574					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721
Total	13.8897	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.5800e-003	5.1200e-003	0.0468	1.0000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	6.0000e-005	2.5700e-003		8.4008	8.4008	4.3000e-004		8.4098
Total	3.5800e-003	5.1200e-003	0.0468	1.0000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	6.0000e-005	2.5700e-003		8.4008	8.4008	4.3000e-004		8.4098

3.7 Architectural Coating - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.5574					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.0721
Total	13.8897	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.0721

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.5800e-003	5.1200e-003	0.0468	1.0000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	6.0000e-005	2.5700e-003		8.4008	8.4008	4.3000e-004		8.4098
Total	3.5800e-003	5.1200e-003	0.0468	1.0000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	6.0000e-005	2.5700e-003		8.4008	8.4008	4.3000e-004		8.4098

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1874	1.6520	10.1223	0.0254	1.8739	0.0315	1.9055	0.4996	0.0291	0.5287		1,841.1010	1,841.1010	0.0601		1,842.3620
Unmitigated	1.1874	1.6520	10.1223	0.0254	1.8739	0.0315	1.9055	0.4996	0.0291	0.5287		1,841.1010	1,841.1010	0.0601		1,842.3620

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	576.16	546.52	265.59	812,458	812,458
Total	576.16	546.52	265.59	812,458	812,458

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
NaturalGas Unmitigated	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Strip Mall	88.6849	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
Total		9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Strip Mall	0.0886849	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
Total		9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Unmitigated	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0371					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Total	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0371					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Total	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Alum Rock)
Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	500.00	1000sqft	11.65	500,000.00	0
Enclosed Parking with Elevator	2,150.00	Space	0.00	860,000.00	0
Apartments Mid Rise	275.00	Dwelling Unit	0.00	275,000.00	787
Strip Mall	20.00	1000sqft	0.00	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves - Assumed all fireplaces are gas-burning fireplaces in accordance with BAAQMD Regulation 6, Rule 3.

Construction Off-road Equipment Mitigation - Watering twice per day and using Tier III

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	50.00
tblFireplaces	FireplaceDayYear	4.29	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	92.40	0.00
tblFireplaces	NumberGas	151.25	275.00
tblFireplaces	NumberNoFireplace	85.25	0.00
tblFireplaces	NumberWood	38.50	0.00
tblLandUse	LotAcreage	11.48	11.65
tblLandUse	LotAcreage	19.35	0.00
tblLandUse	LotAcreage	7.24	0.00
tblLandUse	LotAcreage	0.46	0.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblWoodstoves	WoodstoveDayYear	10.82	0.00
tblWoodstoves	WoodstoveWoodMass	954.80	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.9764	7.0018	9.5635	0.0180	1.0517	0.3011	1.3528	0.3281	0.2807	0.6088	0.0000	1,488.6059	1,488.6059	0.1337	0.0000	1,491.4145
2018	9.5291	2.5899	4.2034	8.8900e-003	0.4475	0.1059	0.5534	0.1207	0.0992	0.2200	0.0000	710.1326	710.1326	0.0524	0.0000	711.2334
Total	10.5056	9.5918	13.7670	0.0269	1.4992	0.4070	1.9062	0.4488	0.3799	0.8287	0.0000	2,198.7385	2,198.7385	0.1862	0.0000	2,202.6479

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.9764	7.0018	9.5635	0.0180	0.9305	0.3011	1.2315	0.2711	0.2807	0.5518	0.0000	1,488.6054	1,488.6054	0.1337	0.0000	1,491.4140
2018	9.5291	2.5899	4.2034	8.8900e-003	0.4475	0.1059	0.5534	0.1207	0.0992	0.2200	0.0000	710.1324	710.1324	0.0524	0.0000	711.2333
Total	10.5056	9.5918	13.7670	0.0269	1.3780	0.4070	1.7849	0.3919	0.3799	0.7717	0.0000	2,198.7379	2,198.7379	0.1862	0.0000	2,202.6473

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	8.09	0.00	6.36	12.70	0.00	6.88	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.4403	0.0237	2.0644	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3831	3.3831	3.3200e-003	0.0000	3.4528
Energy	0.0588	0.5275	0.4004	3.2000e-003		0.0406	0.0406		0.0406	0.0406	0.0000	5,484.7071	5,484.7071	0.2329	0.0565	5,507.1216
Mobile	2.5739	4.4844	24.1701	0.0788	5.6684	0.0928	5.7612	1.5155	0.0857	1.6012	0.0000	5,186.4311	5,186.4311	0.1620	0.0000	5,189.8337
Waste						0.0000	0.0000		0.0000	0.0000	124.3320	0.0000	124.3320	7.3478	0.0000	278.6360
Water						0.0000	0.0000		0.0000	0.0000	34.3477	238.3066	272.6543	3.5386	0.0855	373.4793
Total	10.0730	5.0356	26.6349	0.0821	5.6684	0.1448	5.8132	1.5155	0.1377	1.6532	158.6797	10,912.8279	11,071.5076	11.2846	0.1421	11,352.5234

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.4403	0.0237	2.0644	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3831	3.3831	3.3200e-003	0.0000	3.4528
Energy	0.0588	0.5275	0.4004	3.2000e-003		0.0406	0.0406		0.0406	0.0406	0.0000	5,484.7071	5,484.7071	0.2329	0.0565	5,507.1216
Mobile	2.5739	4.4844	24.1701	0.0788	5.6684	0.0928	5.7612	1.5155	0.0857	1.6012	0.0000	5,186.4311	5,186.4311	0.1620	0.0000	5,189.8337
Waste						0.0000	0.0000		0.0000	0.0000	124.3320	0.0000	124.3320	7.3478	0.0000	278.6360
Water						0.0000	0.0000		0.0000	0.0000	34.3477	238.3066	272.6543	3.5380	0.0854	373.4245
Total	10.0730	5.0356	26.6349	0.0821	5.6684	0.1448	5.8132	1.5155	0.1377	1.6532	158.6797	10,912.8279	11,071.5076	11.2840	0.1419	11,352.4686

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/10/2017	5	10	
3	Grading	Grading	2/11/2017	3/24/2017	5	30	
4	Build Construction	Building Construction	3/25/2017	5/18/2018	5	300	
5	Paving	Paving	5/19/2018	6/15/2018	5	20	
6	Architectural Coating	Architectural Coating	6/16/2018	8/24/2018	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

**Residential Indoor: 556,875; Residential Outdoor: 185,625; Non-Residential Indoor: 2,070,000; Non-Residential Outdoor: 690,000
(Architectural Coating – sqft)**

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Build Construction	Cranes	1	7.00	226	0.29
Build Construction	Forklifts	3	8.00	89	0.20
Build Construction	Generator Sets	1	8.00	84	0.74
Build Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Build Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Build Construction	9	726.00	256.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	145.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0405	0.4270	0.3389	4.0000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	36.6182	36.6182	0.0101	0.0000	36.8292
Total	0.0405	0.4270	0.3389	4.0000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	36.6182	36.6182	0.0101	0.0000	36.8292

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586
Total	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0405	0.4270	0.3389	4.0000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	36.6182	36.6182	0.0101	0.0000	36.8291
Total	0.0405	0.4270	0.3389	4.0000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	36.6182	36.6182	0.0101	0.0000	36.8291

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586
Total	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0242	0.2588	0.1970	2.0000e-004		0.0138	0.0138		0.0127	0.0127	0.0000	18.1577	18.1577	5.5600e-003	0.0000	18.2745
Total	0.0242	0.2588	0.1970	2.0000e-004	0.0903	0.0138	0.1041	0.0497	0.0127	0.0623	0.0000	18.1577	18.1577	5.5600e-003	0.0000	18.2745

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	4.2000e-004	4.0900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6944	0.6944	4.0000e-005	0.0000	0.6952
Total	3.0000e-004	4.2000e-004	4.0900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6944	0.6944	4.0000e-005	0.0000	0.6952

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0407	0.0000	0.0407	0.0223	0.0000	0.0223	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0242	0.2588	0.1970	2.0000e-004		0.0138	0.0138		0.0127	0.0127	0.0000	18.1577	18.1577	5.5600e-003	0.0000	18.2745
Total	0.0242	0.2588	0.1970	2.0000e-004	0.0407	0.0138	0.0544	0.0223	0.0127	0.0350	0.0000	18.1577	18.1577	5.5600e-003	0.0000	18.2745

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	4.2000e-004	4.0900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6944	0.6944	4.0000e-005	0.0000	0.6952
Total	3.0000e-004	4.2000e-004	4.0900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6944	0.6944	4.0000e-005	0.0000	0.6952

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0915	1.0439	0.7021	9.3000e-004		0.0498	0.0498		0.0458	0.0458	0.0000	85.9109	85.9109	0.0263	0.0000	86.4637
Total	0.0915	1.0439	0.7021	9.3000e-004	0.1301	0.0498	0.1799	0.0540	0.0458	0.0997	0.0000	85.9109	85.9109	0.0263	0.0000	86.4637

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-003	1.4100e-003	0.0136	3.0000e-005	2.7300e-003	2.0000e-005	2.7500e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.3147	2.3147	1.2000e-004	0.0000	2.3172
Total	1.0000e-003	1.4100e-003	0.0136	3.0000e-005	2.7300e-003	2.0000e-005	2.7500e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.3147	2.3147	1.2000e-004	0.0000	2.3172

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0586	0.0000	0.0586	0.0243	0.0000	0.0243	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0915	1.0439	0.7021	9.3000e-004		0.0498	0.0498		0.0458	0.0458	0.0000	85.9108	85.9108	0.0263	0.0000	86.4636
Total	0.0915	1.0439	0.7021	9.3000e-004	0.0586	0.0498	0.1083	0.0243	0.0458	0.0701	0.0000	85.9108	85.9108	0.0263	0.0000	86.4636

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-003	1.4100e-003	0.0136	3.0000e-005	2.7300e-003	2.0000e-005	2.7500e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.3147	2.3147	1.2000e-004	0.0000	2.3172
Total	1.0000e-003	1.4100e-003	0.0136	3.0000e-005	2.7300e-003	2.0000e-005	2.7500e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.3147	2.3147	1.2000e-004	0.0000	2.3172

3.5 Build Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3102	2.6406	1.8129	2.6800e-003		0.1781	0.1781		0.1673	0.1673	0.0000	239.4791	239.4791	0.0589	0.0000	240.7169
Total	0.3102	2.6406	1.8129	2.6800e-003		0.1781	0.1781		0.1673	0.1673	0.0000	239.4791	239.4791	0.0589	0.0000	240.7169

3.5 Build Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2663	2.2886	3.1893	6.0800e-003	0.1653	0.0331	0.1984	0.0474	0.0304	0.0779	0.0000	544.1165	544.1165	4.2200e-003	0.0000	544.2051
Worker	0.2420	0.3405	3.2988	7.6500e-003	0.6610	5.0500e-003	0.6660	0.1758	4.6500e-003	0.1804	0.0000	560.1571	560.1571	0.0284	0.0000	560.7543
Total	0.5082	2.6291	6.4881	0.0137	0.8263	0.0382	0.8645	0.2232	0.0351	0.2583	0.0000	1,104.2735	1,104.2735	0.0327	0.0000	1,104.9594

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3102	2.6406	1.8129	2.6800e-003		0.1781	0.1781		0.1673	0.1673	0.0000	239.4788	239.4788	0.0589	0.0000	240.7166
Total	0.3102	2.6406	1.8129	2.6800e-003		0.1781	0.1781		0.1673	0.1673	0.0000	239.4788	239.4788	0.0589	0.0000	240.7166

3.5 Build Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2663	2.2886	3.1893	6.0800e-003	0.1653	0.0331	0.1984	0.0474	0.0304	0.0779	0.0000	544.1165	544.1165	4.2200e-003	0.0000	544.2051
Worker	0.2420	0.3405	3.2988	7.6500e-003	0.6610	5.0500e-003	0.6660	0.1758	4.6500e-003	0.1804	0.0000	560.1571	560.1571	0.0284	0.0000	560.7543
Total	0.5082	2.6291	6.4881	0.0137	0.8263	0.0382	0.8645	0.2232	0.0351	0.2583	0.0000	1,104.2735	1,104.2735	0.0327	0.0000	1,104.9594

3.5 Build Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1334	1.1630	0.8766	1.3400e-003		0.0747	0.0747		0.0702	0.0702	0.0000	118.3848	118.3848	0.0290	0.0000	118.9932
Total	0.1334	1.1630	0.8766	1.3400e-003		0.0747	0.0747		0.0702	0.0702	0.0000	118.3848	118.3848	0.0290	0.0000	118.9932

3.5 Build Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1205	1.0359	1.5020	3.0300e-003	0.0827	0.0153	0.0980	0.0237	0.0141	0.0378	0.0000	267.3036	267.3036	2.0700e-003	0.0000	267.3471
Worker	0.1087	0.1533	1.4796	3.8300e-003	0.3305	2.4400e-003	0.3329	0.0879	2.2600e-003	0.0902	0.0000	269.6502	269.6502	0.0131	0.0000	269.9246
Total	0.2292	1.1892	2.9816	6.8600e-003	0.4132	0.0178	0.4309	0.1116	0.0164	0.1279	0.0000	536.9538	536.9538	0.0151	0.0000	537.2717

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1334	1.1630	0.8766	1.3400e-003		0.0747	0.0747		0.0702	0.0702	0.0000	118.3847	118.3847	0.0290	0.0000	118.9931
Total	0.1334	1.1630	0.8766	1.3400e-003		0.0747	0.0747		0.0702	0.0702	0.0000	118.3847	118.3847	0.0290	0.0000	118.9931

3.5 Build Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1205	1.0359	1.5020	3.0300e-003	0.0827	0.0153	0.0980	0.0237	0.0141	0.0378	0.0000	267.3036	267.3036	2.0700e-003	0.0000	267.3471
Worker	0.1087	0.1533	1.4796	3.8300e-003	0.3305	2.4400e-003	0.3329	0.0879	2.2600e-003	0.0902	0.0000	269.6502	269.6502	0.0131	0.0000	269.9246
Total	0.2292	1.1892	2.9816	6.8600e-003	0.4132	0.0178	0.4309	0.1116	0.0164	0.1279	0.0000	536.9538	536.9538	0.0151	0.0000	537.2717

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0161	0.1716	0.1449	2.2000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0161	0.1716	0.1449	2.2000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	6.3000e-004	6.1100e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1143	1.1143	5.0000e-005	0.0000	1.1154
Total	4.5000e-004	6.3000e-004	6.1100e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1143	1.1143	5.0000e-005	0.0000	1.1154

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0161	0.1716	0.1449	2.2000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0161	0.1716	0.1449	2.2000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	6.3000e-004	6.1100e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1143	1.1143	5.0000e-005	0.0000	1.1154
Total	4.5000e-004	6.3000e-004	6.1100e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1143	1.1143	5.0000e-005	0.0000	1.1154

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	9.1317					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4700e-003	0.0501	0.0464	7.0000e-005		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	6.3832	6.3832	6.1000e-004	0.0000	6.3959
Total	9.1391	0.0501	0.0464	7.0000e-005		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	6.3832	6.3832	6.1000e-004	0.0000	6.3959

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0109	0.0153	0.1478	3.8000e-004	0.0330	2.4000e-004	0.0333	8.7800e-003	2.3000e-004	9.0000e-003	0.0000	26.9279	26.9279	1.3100e-003	0.0000	26.9553
Total	0.0109	0.0153	0.1478	3.8000e-004	0.0330	2.4000e-004	0.0333	8.7800e-003	2.3000e-004	9.0000e-003	0.0000	26.9279	26.9279	1.3100e-003	0.0000	26.9553

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	9.1317					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4700e-003	0.0501	0.0464	7.0000e-005		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	6.3831	6.3831	6.1000e-004	0.0000	6.3959
Total	9.1391	0.0501	0.0464	7.0000e-005		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	6.3831	6.3831	6.1000e-004	0.0000	6.3959

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0109	0.0153	0.1478	3.8000e-004	0.0330	2.4000e-004	0.0333	8.7800e-003	2.3000e-004	9.0000e-003	0.0000	26.9279	26.9279	1.3100e-003	0.0000	26.9553
Total	0.0109	0.0153	0.1478	3.8000e-004	0.0330	2.4000e-004	0.0333	8.7800e-003	2.3000e-004	9.0000e-003	0.0000	26.9279	26.9279	1.3100e-003	0.0000	26.9553

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.5739	4.4844	24.1701	0.0788	5.6684	0.0928	5.7612	1.5155	0.0857	1.6012	0.0000	5,186.4311	5,186.4311	0.1620	0.0000	5,189.8337
Unmitigated	2.5739	4.4844	24.1701	0.0788	5.6684	0.0928	5.7612	1.5155	0.0857	1.6012	0.0000	5,186.4311	5,186.4311	0.1620	0.0000	5,189.8337

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,812.25	1,969.00	1669.25	4,049,990	4,049,990
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	5,505.00	1,185.00	490.00	9,968,683	9,968,683
Strip Mall	886.40	840.80	408.60	1,249,935	1,249,935
Total	8,203.65	3,994.80	2,567.85	15,268,608	15,268,608

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,903.3139	4,903.3139	0.2217	0.0459	4,922.1902
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,903.3139	4,903.3139	0.2217	0.0459	4,922.1902
NaturalGas Mitigated	0.0588	0.5275	0.4004	3.2000e-003		0.0406	0.0406		0.0406	0.0406	0.0000	581.3931	581.3931	0.0111	0.0107	584.9314
NaturalGas Unmitigated	0.0588	0.5275	0.4004	3.2000e-003		0.0406	0.0406		0.0406	0.0406	0.0000	581.3931	581.3931	0.0111	0.0107	584.9314

5.2 Energy by Land Use - NaturalGas
Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.2351e+006	0.0121	0.1030	0.0438	6.6000e-004		8.3300e-003	8.3300e-003		8.3300e-003	8.3300e-003	0.0000	119.2732	119.2732	2.2900e-003	2.1900e-003	119.9991
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	8.61e+006	0.0464	0.4221	0.3545	2.5300e-003		0.0321	0.0321		0.0321	0.0321	0.0000	459.4624	459.4624	8.8100e-003	8.4200e-003	462.2586
Strip Mall	49800	2.7000e-004	2.4400e-003	2.0500e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.6575	2.6575	5.0000e-005	5.0000e-005	2.6737
Total		0.0588	0.5275	0.4004	3.2000e-003		0.0406	0.0406		0.0406	0.0406	0.0000	581.3931	581.3931	0.0112	0.0107	584.9314

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	8.61e+006	0.0464	0.4221	0.3545	2.5300e-003		0.0321	0.0321		0.0321	0.0321	0.0000	459.4624	459.4624	8.8100e-003	8.4200e-003	462.2586
Strip Mall	49800	2.7000e-004	2.4400e-003	2.0500e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.6575	2.6575	5.0000e-005	5.0000e-005	2.6737
Apartments Mid Rise	2.2351e+006	0.0121	0.1030	0.0438	6.6000e-004		8.3300e-003	8.3300e-003		8.3300e-003	8.3300e-003	0.0000	119.2732	119.2732	2.2900e-003	2.1900e-003	119.9991
Total		0.0588	0.5275	0.4004	3.2000e-003		0.0406	0.0406		0.0406	0.0406	0.0000	581.3931	581.3931	0.0112	0.0107	584.9314

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	969804	282.1271	0.0128	2.6400e-003	283.2132
Enclosed Parking with Elevator	5.7964e+006	1,686.2392	0.0763	0.0158	1,692.7307
General Office Building	9.855e+006	2,866.9325	0.1296	0.0268	2,877.9693
Strip Mall	233800	68.0151	3.0800e-003	6.4000e-004	68.2769
Total		4,903.3139	0.2217	0.0459	4,922.1902

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	969804	282.1271	0.0128	2.6400e-003	283.2132
Enclosed Parking with Elevator	5.7964e+006	1,686.2392	0.0763	0.0158	1,692.7307
General Office Building	9.855e+006	2,866.9325	0.1296	0.0268	2,877.9693
Strip Mall	233800	68.0151	3.0800e-003	6.4000e-004	68.2769
Total		4,903.3139	0.2217	0.0459	4,922.1902

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.4403	0.0237	2.0644	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3831	3.3831	3.3200e-003	0.0000	3.4528
Unmitigated	7.4403	0.0237	2.0644	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3831	3.3831	3.3200e-003	0.0000	3.4528

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.9132					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.4636					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0635	0.0237	2.0644	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3831	3.3831	3.3200e-003	0.0000	3.4528
Total	7.4403	0.0237	2.0644	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3831	3.3831	3.3200e-003	0.0000	3.4528

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.9132					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.4636					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0635	0.0237	2.0644	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3831	3.3831	3.3200e-003	0.0000	3.4528
Total	7.4403	0.0237	2.0644	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3831	3.3831	3.3200e-003	0.0000	3.4528

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	272.6543	3.5380	0.0854	373.4245
Unmitigated	272.6543	3.5386	0.0855	373.4793

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	17.9174 / 11.2957	45.3897	0.5856	0.0142	62.0766
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	88.8669 / 54.4668	223.5382	2.9046	0.0702	306.2966
Strip Mall	1.48145 / 0.907986	3.7265	0.0484	1.1700e-003	5.1061
Total		272.6543	3.5386	0.0855	373.4793

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	17.9174 / 11.2957	45.3897	0.5855	0.0141	62.0676
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	88.8669 / 54.4668	223.5382	2.9040	0.0701	306.2516
Strip Mall	1.48145 / 0.907986	3.7265	0.0484	1.1700e-003	5.1054
Total		272.6543	3.5380	0.0854	373.4245

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	124.3320	7.3478	0.0000	278.6360
Unmitigated	124.3320	7.3478	0.0000	278.6360

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	126.5	25.6784	1.5176	0.0000	57.5469
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	465	94.3908	5.5783	0.0000	211.5359
Strip Mall	21	4.2628	0.2519	0.0000	9.5532
Total		124.3320	7.3478	0.0000	278.6359

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	126.5	25.6784	1.5176	0.0000	57.5469
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	465	94.3908	5.5783	0.0000	211.5359
Strip Mall	21	4.2628	0.2519	0.0000	9.5532
Total		124.3320	7.3478	0.0000	278.6359

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Alum Rock)
Santa Clara County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	500.00	1000sqft	11.65	500,000.00	0
Enclosed Parking with Elevator	2,150.00	Space	0.00	860,000.00	0
Apartments Mid Rise	275.00	Dwelling Unit	0.00	275,000.00	787
Strip Mall	20.00	1000sqft	0.00	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves - Assumed all fireplaces are gas-burning fireplaces in accordance with BAAQMD Regulation 6, Rule 3.

Construction Off-road Equipment Mitigation - Watering twice per day and using Tier III

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	50.00
tblFireplaces	FireplaceDayYear	4.29	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	92.40	0.00
tblFireplaces	NumberGas	151.25	275.00
tblFireplaces	NumberNoFireplace	85.25	0.00
tblFireplaces	NumberWood	38.50	0.00
tblLandUse	LotAcreage	11.48	11.65
tblLandUse	LotAcreage	19.35	0.00
tblLandUse	LotAcreage	7.24	0.00
tblLandUse	LotAcreage	0.46	0.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblWoodstoves	WoodstoveDayYear	10.82	0.00
tblWoodstoves	WoodstoveWoodMass	954.80	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	8.1526	69.6757	79.0624	0.1700	18.2360	3.3186	20.9915	9.9757	3.0531	12.5107	0.0000	15,291.37 27	15,291.37 27	1.9430	0.0000	15,332.17 65
2018	366.0384	46.0649	73.0817	0.1698	8.5485	1.8484	10.3968	2.3018	1.7307	4.0325	0.0000	14,909.91 64	14,909.91 64	0.9720	0.0000	14,930.32 84
Total	374.1909	115.7406	152.1442	0.3398	26.7845	5.1669	31.3883	12.2775	4.7838	16.5432	0.0000	30,201.28 91	30,201.28 91	2.9150	0.0000	30,262.50 49

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	8.1526	69.6757	79.0624	0.1700	8.5489	3.3186	11.0550	4.5138	3.0531	7.0489	0.0000	15,291.37 27	15,291.37 27	1.9430	0.0000	15,332.17 65
2018	366.0384	46.0649	73.0817	0.1698	8.5485	1.8484	10.3968	2.3018	1.7307	4.0325	0.0000	14,909.91 64	14,909.91 64	0.9720	0.0000	14,930.32 84
Total	374.1909	115.7406	152.1442	0.3398	17.0973	5.1669	21.4518	6.8157	4.7838	11.0814	0.0000	30,201.28 91	30,201.28 91	2.9150	0.0000	30,262.50 49

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	36.17	0.00	31.66	44.49	0.00	33.02	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897
Energy	0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6504	3,511.6504	0.0673	0.0644	3,533.0218
Mobile	18.1691	28.6271	159.2944	0.5684	39.9499	0.6308	40.5807	10.6512	0.5824	11.2337		41,111.8566	41,111.8566	1.2154		41,137.3791
Total	59.6173	31.7810	184.4266	0.5872	39.9499	0.9799	40.9298	10.6512	0.9316	11.5828	0.0000	44,664.9433	44,664.9433	1.3233	0.0644	44,712.6906

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897
Energy	0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6504	3,511.6504	0.0673	0.0644	3,533.0218
Mobile	18.1691	28.6271	159.2944	0.5684	39.9499	0.6308	40.5807	10.6512	0.5824	11.2337		41,111.8566	41,111.8566	1.2154		41,137.3791
Total	59.6173	31.7810	184.4266	0.5872	39.9499	0.9799	40.9298	10.6512	0.9316	11.5828	0.0000	44,664.9433	44,664.9433	1.3233	0.0644	44,712.6906

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/10/2017	5	10	
3	Grading	Grading	2/11/2017	3/24/2017	5	30	
4	Build Construction	Building Construction	3/25/2017	5/18/2018	5	300	
5	Paving	Paving	5/19/2018	6/15/2018	5	20	
6	Architectural Coating	Architectural Coating	6/16/2018	8/24/2018	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 556,875; Residential Outdoor: 185,625; Non-Residential Indoor: 2,070,000; Non-Residential Outdoor: 690,000
(Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Build Construction	Cranes	1	7.00	226	0.29
Build Construction	Forklifts	3	8.00	89	0.20
Build Construction	Generator Sets	1	8.00	84	0.74
Build Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Build Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Build Construction	9	726.00	256.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	145.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211
Total	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000				0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265			4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265			4,028.8432

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003			164.6504
Total	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003			164.6504

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000	
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265			4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	8.1298	2.7542	10.8840	4.4688	2.5339	7.0027	0.0000	4,003.0859	4,003.0859	1.2265			4,028.8432

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003			164.6504
Total	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003			164.6504

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518		6,313.3690	6,313.3690	1.9344		6,353.9915
Total	6.0991	69.5920	46.8050	0.0617	8.6733	3.3172	11.9905	3.5965	3.0518	6.6483		6,313.3690	6,313.3690	1.9344		6,353.9915

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0722	0.0837	0.9815	2.2700e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		182.7636	182.7636	8.6400e-003			182.9449
Total	0.0722	0.0837	0.9815	2.2700e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		182.7636	182.7636	8.6400e-003			182.9449

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000	
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518	0.0000	6,313.3690	6,313.3690	1.9344			6,353.9915
Total	6.0991	69.5920	46.8050	0.0617	3.9030	3.3172	7.2202	1.6184	3.0518	4.6702	0.0000	6,313.3690	6,313.3690	1.9344			6,353.9915

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0722	0.0837	0.9815	2.2700e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		182.7636	182.7636	8.6400e-003			182.9449
Total	0.0722	0.0837	0.9815	2.2700e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		182.7636	182.7636	8.6400e-003			182.9449

3.5 Build Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Build Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.4287	22.1626	25.3039	0.0609	1.7025	0.3296	2.0321	0.4862	0.3031	0.7892		6,017.250 2	6,017.250 2	0.0460			6,018.216 5
Worker	2.6215	3.0371	35.6294	0.0823	6.8464	0.0505	6.8969	1.8158	0.0465	1.8623		6,634.317 1	6,634.317 1	0.3135			6,640.900 2
Total	5.0502	25.1997	60.9333	0.1432	8.5489	0.3801	8.9289	2.3020	0.3496	2.6516		12,651.56 73	12,651.56 73	0.3595			12,659.11 67

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.805 3	2,639.805 3	0.6497			2,653.449 0
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.805 3	2,639.805 3	0.6497			2,653.449 0

3.5 Build Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.4287	22.1626	25.3039	0.0609	1.7025	0.3296	2.0321	0.4862	0.3031	0.7892		6,017.250 2	6,017.250 2	0.0460			6,018.216 5
Worker	2.6215	3.0371	35.6294	0.0823	6.8464	0.0505	6.8969	1.8158	0.0465	1.8623		6,634.317 1	6,634.317 1	0.3135			6,640.900 2
Total	5.0502	25.1997	60.9333	0.1432	8.5489	0.3801	8.9289	2.3020	0.3496	2.6516		12,651.56 73	12,651.56 73	0.3595			12,659.11 67

3.5 Build Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.939 0	2,609.939 0	0.6387			2,623.351 7
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.939 0	2,609.939 0	0.6387			2,623.351 7

3.5 Build Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.2110	20.0695	23.4455	0.0608	1.7021	0.3053	2.0073	0.4860	0.2807	0.7667		5,912.1419	5,912.1419	0.0452			5,913.0904
Worker	2.3670	2.7346	32.1035	0.0823	6.8464	0.0488	6.8952	1.8158	0.0452	1.8610		6,387.8356	6,387.8356	0.2881			6,393.8863
Total	4.5780	22.8041	55.5491	0.1430	8.5485	0.3541	8.9025	2.3018	0.3259	2.6277		12,299.9775	12,299.9775	0.3333			12,306.9767

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517

3.5 Build Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.2110	20.0695	23.4455	0.0608	1.7021	0.3053	2.0073	0.4860	0.2807	0.7667		5,912.1419	5,912.1419	0.0452			5,913.0904
Worker	2.3670	2.7346	32.1035	0.0823	6.8464	0.0488	6.8952	1.8158	0.0452	1.8610		6,387.8356	6,387.8356	0.2881			6,393.8863
Total	4.5780	22.8041	55.5491	0.1430	8.5485	0.3541	8.9025	2.3018	0.3259	2.6277		12,299.9775	12,299.9775	0.3333			12,306.9767

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990			2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990			2,259.9481

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0489	0.0565	0.6633	1.7000e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		131.9801	131.9801	5.9500e-003			132.1051
Total	0.0489	0.0565	0.6633	1.7000e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		131.9801	131.9801	5.9500e-003			132.1051

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635	0.0000	2,245.2695	2,245.2695	0.6990			2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635	0.0000	2,245.2695	2,245.2695	0.6990			2,259.9481

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0489	0.0565	0.6633	1.7000e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		131.9801	131.9801	5.9500e-003			132.1051
Total	0.0489	0.0565	0.6633	1.7000e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		131.9801	131.9801	5.9500e-003			132.1051

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	365.2670					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102
Total	365.5656	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.4728	0.5462	6.4119	0.0164	1.3674	9.7500e-003	1.3772	0.3627	9.0200e-003	0.3717		1,275.8074	1,275.8074	0.0576			1,277.0159
Total	0.4728	0.5462	6.4119	0.0164	1.3674	9.7500e-003	1.3772	0.3627	9.0200e-003	0.3717		1,275.8074	1,275.8074	0.0576			1,277.0159

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	365.2670					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102
Total	365.5656	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.4728	0.5462	6.4119	0.0164	1.3674	9.7500e-003	1.3772	0.3627	9.0200e-003	0.3717		1,275.8074	1,275.8074	0.0576			1,277.0159
Total	0.4728	0.5462	6.4119	0.0164	1.3674	9.7500e-003	1.3772	0.3627	9.0200e-003	0.3717		1,275.8074	1,275.8074	0.0576			1,277.0159

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	18.1691	28.6271	159.2944	0.5684	39.9499	0.6308	40.5807	10.6512	0.5824	11.2337		41,111.8566	41,111.8566	1.2154			41,137.3791
Unmitigated	18.1691	28.6271	159.2944	0.5684	39.9499	0.6308	40.5807	10.6512	0.5824	11.2337		41,111.8566	41,111.8566	1.2154			41,137.3791

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,812.25	1,969.00	1669.25	4,049,990	4,049,990
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	5,505.00	1,185.00	490.00	9,968,683	9,968,683
Strip Mall	886.40	840.80	408.60	1,249,935	1,249,935
Total	8,203.65	3,994.80	2,567.85	15,268,608	15,268,608

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6504	3,511.6504	0.0673	0.0644	3,533.0218
NaturalGas Unmitigated	0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6504	3,511.6504	0.0673	0.0644	3,533.0218

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	6123.55	0.0660	0.5643	0.2401	3.6000e-003		0.0456	0.0456		0.0456	0.0456		720.4176	720.4176	0.0138	0.0132	724.8019
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	23589	0.2544	2.3127	1.9426	0.0139		0.1758	0.1758		0.1758	0.1758		2,775.1813	2,775.1813	0.0532	0.0509	2,792.0706
Strip Mall	136.438	1.4700e-003	0.0134	0.0112	8.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003		16.0516	16.0516	3.1000e-004	2.9000e-004	16.1493
Total		0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6505	3,511.6505	0.0673	0.0644	3,533.0218

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	23.589	0.2544	2.3127	1.9426	0.0139		0.1758	0.1758		0.1758	0.1758		2,775.1813	2,775.1813	0.0532	0.0509	2,792.0706
Strip Mall	0.136438	1.4700e-003	0.0134	0.0112	8.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003		16.0516	16.0516	3.1000e-004	2.9000e-004	16.1493
Apartments Mid Rise	6.12355	0.0660	0.5643	0.2401	3.6000e-003		0.0456	0.0456		0.0456	0.0456		720.4176	720.4176	0.0138	0.0132	724.8019
Total		0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6505	3,511.6505	0.0673	0.0644	3,533.0218

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897
Unmitigated	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.0037					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.4170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.7056	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267		41.4362	41.4362	0.0406		42.2897
Total	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.0037					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.4170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.7056	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267		41.4362	41.4362	0.0406		42.2897
Total	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Alum Rock)
Santa Clara County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	500.00	1000sqft	11.65	500,000.00	0
Enclosed Parking with Elevator	2,150.00	Space	0.00	860,000.00	0
Apartments Mid Rise	275.00	Dwelling Unit	0.00	275,000.00	787
Strip Mall	20.00	1000sqft	0.00	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves - Assumed all fireplaces are gas-burning fireplaces in accordance with BAAQMD Regulation 6, Rule 3.

Construction Off-road Equipment Mitigation - Watering twice per day and using Tier III

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	50.00
tblFireplaces	FireplaceDayYear	4.29	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	92.40	0.00
tblFireplaces	NumberGas	151.25	275.00
tblFireplaces	NumberNoFireplace	85.25	0.00
tblFireplaces	NumberWood	38.50	0.00
tblLandUse	LotAcreage	11.48	11.65
tblLandUse	LotAcreage	19.35	0.00
tblLandUse	LotAcreage	7.24	0.00
tblLandUse	LotAcreage	0.46	0.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblWoodstoves	WoodstoveDayYear	10.82	0.00
tblWoodstoves	WoodstoveWoodMass	954.80	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	8.6487	69.6943	90.5757	0.1631	18.2360	3.3186	20.9915	9.9757	3.0531	12.5107	0.0000	14,709.83 21	14,709.83 21	1.9430	0.0000	14,750.63 59
2018	366.0308	47.5657	84.4436	0.1629	8.5485	1.8514	10.3999	2.3018	1.7335	4.0353	0.0000	14,348.36 32	14,348.36 32	0.9732	0.0000	14,368.80 13
Total	374.6794	117.2600	175.0192	0.3259	26.7845	5.1700	31.3913	12.2775	4.7866	16.5461	0.0000	29,058.19 53	29,058.19 53	2.9163	0.0000	29,119.43 72

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	8.6487	69.6943	90.5757	0.1631	8.5489	3.3186	11.0550	4.5138	3.0531	7.0489	0.0000	14,709.83 21	14,709.83 21	1.9430	0.0000	14,750.63 59
2018	366.0308	47.5657	84.4436	0.1629	8.5485	1.8514	10.3999	2.3018	1.7335	4.0353	0.0000	14,348.36 32	14,348.36 32	0.9732	0.0000	14,368.80 13
Total	374.6794	117.2600	175.0192	0.3259	17.0973	5.1700	21.4549	6.8157	4.7866	11.0842	0.0000	29,058.19 53	29,058.19 53	2.9163	0.0000	29,119.43 72

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	36.17	0.00	31.65	44.49	0.00	33.01	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897
Energy	0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6504	3,511.6504	0.0673	0.0644	3,533.0218
Mobile	18.6629	31.8205	179.4636	0.5313	39.9499	0.6332	40.5831	10.6512	0.5846	11.2359		38,567.1664	38,567.1664	1.2176		38,592.7353
Total	60.1111	34.9744	204.5959	0.5500	39.9499	0.9823	40.9322	10.6512	0.9338	11.5850	0.0000	42,120.2531	42,120.2531	1.3255	0.0644	42,168.0468

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897
Energy	0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6504	3,511.6504	0.0673	0.0644	3,533.0218
Mobile	18.6629	31.8205	179.4636	0.5313	39.9499	0.6332	40.5831	10.6512	0.5846	11.2359		38,567.1664	38,567.1664	1.2176		38,592.7353
Total	60.1111	34.9744	204.5959	0.5500	39.9499	0.9823	40.9322	10.6512	0.9338	11.5850	0.0000	42,120.2531	42,120.2531	1.3255	0.0644	42,168.0468

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/10/2017	5	10	
3	Grading	Grading	2/11/2017	3/24/2017	5	30	
4	Build Construction	Building Construction	3/25/2017	5/18/2018	5	300	
5	Paving	Paving	5/19/2018	6/15/2018	5	20	
6	Architectural Coating	Architectural Coating	6/16/2018	8/24/2018	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 556,875; Residential Outdoor: 185,625; Non-Residential Indoor: 2,070,000; Non-Residential Outdoor: 690,000
(Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Build Construction	Cranes	1	7.00	226	0.29
Build Construction	Forklifts	3	8.00	89	0.20
Build Construction	Generator Sets	1	8.00	84	0.74
Build Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Build Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Build Construction	9	726.00	256.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	145.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211
Total	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000				0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265			4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265			4,028.8432

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769
Total	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	8.1298	2.7542	10.8840	4.4688	2.5339	7.0027	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003			151.3769
Total	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003			151.3769

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518		6,313.3690	6,313.3690	1.9344		6,353.9915
Total	6.0991	69.5920	46.8050	0.0617	8.6733	3.3172	11.9905	3.5965	3.0518	6.6483		6,313.3690	6,313.3690	1.9344		6,353.9915

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0716	0.1023	0.9353	2.0800e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		168.0152	168.0152	8.6400e-003			168.1965
Total	0.0716	0.1023	0.9353	2.0800e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		168.0152	168.0152	8.6400e-003			168.1965

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000	
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518	0.0000	6,313.3690	6,313.3690	1.9344			6,353.9915
Total	6.0991	69.5920	46.8050	0.0617	3.9030	3.3172	7.2202	1.6184	3.0518	4.6702	0.0000	6,313.3690	6,313.3690	1.9344			6,353.9915

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0716	0.1023	0.9353	2.0800e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		168.0152	168.0152	8.6400e-003			168.1965
Total	0.0716	0.1023	0.9353	2.0800e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		168.0152	168.0152	8.6400e-003			168.1965

3.5 Build Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Build Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.9479	23.1575	38.4940	0.0606	1.7025	0.3330	2.0354	0.4862	0.3062	0.7923		5,971.0768	5,971.0768	0.0472			5,972.0685
Worker	2.5984	3.7142	33.9526	0.0756	6.8464	0.0505	6.8969	1.8158	0.0465	1.8623		6,098.9500	6,098.9500	0.3135			6,105.5331
Total	5.5463	26.8717	72.4465	0.1363	8.5489	0.3834	8.9323	2.3020	0.3527	2.6547		12,070.0268	12,070.0268	0.3607			12,077.6015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Build Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.9479	23.1575	38.4940	0.0606	1.7025	0.3330	2.0354	0.4862	0.3062	0.7923		5,971.0768	5,971.0768	0.0472			5,972.0685
Worker	2.5984	3.7142	33.9526	0.0756	6.8464	0.0505	6.8969	1.8158	0.0465	1.8623		6,098.9500	6,098.9500	0.3135			6,105.5331
Total	5.5463	26.8717	72.4465	0.1363	8.5489	0.3834	8.9323	2.3020	0.3527	2.6547		12,070.0268	12,070.0268	0.3607			12,077.6015

3.5 Build Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517

3.5 Build Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.6489	20.9601	36.5562	0.0605	1.7021	0.3083	2.0104	0.4860	0.2835	0.7695		5,866.6498	5,866.6498	0.0464			5,867.6245
Worker	2.3290	3.3447	30.3547	0.0756	6.8464	0.0488	6.8952	1.8158	0.0452	1.8610		5,871.7744	5,871.7744	0.2881			5,877.8251
Total	4.9779	24.3048	66.9109	0.1361	8.5485	0.3571	8.9056	2.3018	0.3287	2.6305		11,738.4243	11,738.4243	0.3345			11,745.4496

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517

3.5 Build Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.6489	20.9601	36.5562	0.0605	1.7021	0.3083	2.0104	0.4860	0.2835	0.7695		5,866.6498	5,866.6498	0.0464			5,867.6245
Worker	2.3290	3.3447	30.3547	0.0756	6.8464	0.0488	6.8952	1.8158	0.0452	1.8610		5,871.7744	5,871.7744	0.2881			5,877.8251
Total	4.9779	24.3048	66.9109	0.1361	8.5485	0.3571	8.9056	2.3018	0.3287	2.6305		11,738.4243	11,738.4243	0.3345			11,745.4496

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990			2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990			2,259.9481

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0481	0.0691	0.6272	1.5600e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		121.3177	121.3177	5.9500e-003			121.4427
Total	0.0481	0.0691	0.6272	1.5600e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		121.3177	121.3177	5.9500e-003			121.4427

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635	0.0000	2,245.2695	2,245.2695	0.6990			2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635	0.0000	2,245.2695	2,245.2695	0.6990			2,259.9481

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0481	0.0691	0.6272	1.5600e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		121.3177	121.3177	5.9500e-003		121.4427
Total	0.0481	0.0691	0.6272	1.5600e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		121.3177	121.3177	5.9500e-003		121.4427

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	365.2670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	365.5656	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.4652	0.6680	6.0626	0.0151	1.3674	9.7500e-003	1.3772	0.3627	9.0200e-003	0.3717		1,172.7373	1,172.7373	0.0576			1,173.9458
Total	0.4652	0.6680	6.0626	0.0151	1.3674	9.7500e-003	1.3772	0.3627	9.0200e-003	0.3717		1,172.7373	1,172.7373	0.0576			1,173.9458

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	365.2670					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102
Total	365.5656	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.4652	0.6680	6.0626	0.0151	1.3674	9.7500e-003	1.3772	0.3627	9.0200e-003	0.3717		1,172.7373	1,172.7373	0.0576			1,173.9458
Total	0.4652	0.6680	6.0626	0.0151	1.3674	9.7500e-003	1.3772	0.3627	9.0200e-003	0.3717		1,172.7373	1,172.7373	0.0576			1,173.9458

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	18.6629	31.8205	179.4636	0.5313	39.9499	0.6332	40.5831	10.6512	0.5846	11.2359		38,567.1664	38,567.1664	1.2176			38,592.7353
Unmitigated	18.6629	31.8205	179.4636	0.5313	39.9499	0.6332	40.5831	10.6512	0.5846	11.2359		38,567.1664	38,567.1664	1.2176			38,592.7353

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,812.25	1,969.00	1669.25	4,049,990	4,049,990
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	5,505.00	1,185.00	490.00	9,968,683	9,968,683
Strip Mall	886.40	840.80	408.60	1,249,935	1,249,935
Total	8,203.65	3,994.80	2,567.85	15,268,608	15,268,608

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6504	3,511.6504	0.0673	0.0644	3,533.0218
NaturalGas Unmitigated	0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6504	3,511.6504	0.0673	0.0644	3,533.0218

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	6123.55	0.0660	0.5643	0.2401	3.6000e-003		0.0456	0.0456		0.0456	0.0456		720.4176	720.4176	0.0138	0.0132	724.8019
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	23589	0.2544	2.3127	1.9426	0.0139		0.1758	0.1758		0.1758	0.1758		2,775.1813	2,775.1813	0.0532	0.0509	2,792.0706
Strip Mall	136.438	1.4700e-003	0.0134	0.0112	8.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003		16.0516	16.0516	3.1000e-004	2.9000e-004	16.1493
Total		0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6505	3,511.6505	0.0673	0.0644	3,533.0218

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	23.589	0.2544	2.3127	1.9426	0.0139		0.1758	0.1758		0.1758	0.1758		2,775.1813	2,775.1813	0.0532	0.0509	2,792.0706
Strip Mall	0.136438	1.4700e-003	0.0134	0.0112	8.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003		16.0516	16.0516	3.1000e-004	2.9000e-004	16.1493
Apartments Mid Rise	6.12355	0.0660	0.5643	0.2401	3.6000e-003		0.0456	0.0456		0.0456	0.0456		720.4176	720.4176	0.0138	0.0132	724.8019
Total		0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6505	3,511.6505	0.0673	0.0644	3,533.0218

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897
Unmitigated	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.0037					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.4170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.7056	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267		41.4362	41.4362	0.0406		42.2897
Total	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.0037					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.4170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.7056	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267		41.4362	41.4362	0.0406		42.2897
Total	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Diridon Station) Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	640.00	1000sqft	4.45	640,000.00	0
Enclosed Parking Structure	400.00	Space	0.00	160,000.00	0
Strip Mall	72.00	1000sqft	0.00	72,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves -

Construction Off-road Equipment Mitigation - Watering twice per day

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	40.00
tblLandUse	LotAcreage	14.69	4.45
tblLandUse	LotAcreage	3.60	0.00
tblLandUse	LotAcreage	1.65	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.7782	5.8018	6.5939	0.0111	0.4852	0.2902	0.7754	0.1505	0.2716	0.4222	0.0000	957.9755	957.9755	0.1021	0.0000	960.1192
2017	4.5786	0.2419	0.2609	4.6000e-004	0.0160	0.0146	0.0306	4.2700e-003	0.0138	0.0180	0.0000	38.6093	38.6093	6.3600e-003	0.0000	38.7429
Total	5.3568	6.0437	6.8548	0.0116	0.5012	0.3048	0.8060	0.1548	0.2854	0.4402	0.0000	996.5848	996.5848	0.1084	0.0000	998.8621

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.7782	5.8018	6.5939	0.0111	0.4459	0.2902	0.7361	0.1295	0.2716	0.4011	0.0000	957.9751	957.9751	0.1021	0.0000	960.1188
2017	4.5786	0.2419	0.2609	4.6000e-004	0.0160	0.0146	0.0306	4.2700e-003	0.0138	0.0180	0.0000	38.6093	38.6093	6.3600e-003	0.0000	38.7429
Total	5.3568	6.0437	6.8548	0.0116	0.4619	0.3048	0.7667	0.1337	0.2854	0.4191	0.0000	996.5843	996.5843	0.1084	0.0000	998.8617

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	7.83	0.00	4.87	13.60	0.00	4.79	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.8612	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0199	0.0199	5.0000e-005	0.0000	0.0210
Energy	0.0604	0.5490	0.4612	3.2900e-003		0.0417	0.0417		0.0417	0.0417	0.0000	4,817.0821	4,817.0821	0.2022	0.0504	4,836.9629
Mobile	3.0724	5.1579	28.0993	0.0893	6.4075	0.1059	6.5134	1.7131	0.0978	1.8109	0.0000	5,879.7155	5,879.7155	0.1847	0.0000	5,883.5935
Waste						0.0000	0.0000		0.0000	0.0000	136.1663	0.0000	136.1663	8.0472	0.0000	305.1575
Water						0.0000	0.0000		0.0000	0.0000	37.7795	261.7648	299.5442	3.8922	0.0941	410.4416
Total	6.9940	5.7070	28.5707	0.0926	6.4075	0.1477	6.5552	1.7131	0.1396	1.8527	173.9458	10,958.5823	11,132.5281	12.3263	0.1445	11,436.1765

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.8612	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0199	0.0199	5.0000e-005	0.0000	0.0210
Energy	0.0604	0.5490	0.4612	3.2900e-003		0.0417	0.0417		0.0417	0.0417	0.0000	4,817.0821	4,817.0821	0.2022	0.0504	4,836.9629
Mobile	3.0724	5.1579	28.0993	0.0893	6.4075	0.1059	6.5134	1.7131	0.0978	1.8109	0.0000	5,879.7155	5,879.7155	0.1847	0.0000	5,883.5935
Waste						0.0000	0.0000		0.0000	0.0000	136.1663	0.0000	136.1663	8.0472	0.0000	305.1575
Water						0.0000	0.0000		0.0000	0.0000	37.7795	261.7648	299.5442	3.8914	0.0939	410.3813
Total	6.9940	5.7070	28.5707	0.0926	6.4075	0.1477	6.5552	1.7131	0.1396	1.8527	173.9458	10,958.5823	11,132.5281	12.3256	0.1444	11,436.1162

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.10	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/4/2016	5	5	
3	Grading	Grading	2/5/2016	2/16/2016	5	8	
4	Building Construction	Building Construction	2/17/2016	1/3/2017	5	230	
5	Paving	Paving	1/4/2017	1/27/2017	5	18	
6	Architectural Coating	Architectural Coating	1/28/2017	3/24/2017	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,308,000; Non-Residential Outdoor: 436,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	295.00	143.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	59.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0429	0.4566	0.3503	4.0000e-004		0.0229	0.0229		0.0214	0.0214	0.0000	37.0974	37.0974	0.0101	0.0000	37.3092
Total	0.0429	0.4566	0.3503	4.0000e-004		0.0229	0.0229		0.0214	0.0214	0.0000	37.0974	37.0974	0.0101	0.0000	37.3092

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	7.8000e-004	7.6300e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2034	1.2034	6.0000e-005	0.0000	1.2047
Total	5.6000e-004	7.8000e-004	7.6300e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2034	1.2034	6.0000e-005	0.0000	1.2047

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0429	0.4566	0.3503	4.0000e-004		0.0229	0.0229		0.0214	0.0214	0.0000	37.0973	37.0973	0.0101	0.0000	37.3092
Total	0.0429	0.4566	0.3503	4.0000e-004		0.0229	0.0229		0.0214	0.0214	0.0000	37.0973	37.0973	0.0101	0.0000	37.3092

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	7.8000e-004	7.6300e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2034	1.2034	6.0000e-005	0.0000	1.2047
Total	5.6000e-004	7.8000e-004	7.6300e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2034	1.2034	6.0000e-005	0.0000	1.2047

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1366	0.1028	1.0000e-004		7.3500e-003	7.3500e-003		6.7600e-003	6.7600e-003	0.0000	9.2193	9.2193	2.7800e-003	0.0000	9.2777
Total	0.0127	0.1366	0.1028	1.0000e-004	0.0452	7.3500e-003	0.0525	0.0248	6.7600e-003	0.0316	0.0000	9.2193	9.2193	2.7800e-003	0.0000	9.2777

3.3 Site Preparation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614
Total	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0203	0.0000	0.0203	0.0112	0.0000	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1366	0.1028	1.0000e-004		7.3500e-003	7.3500e-003		6.7600e-003	6.7600e-003	0.0000	9.2193	9.2193	2.7800e-003	0.0000	9.2777
Total	0.0127	0.1366	0.1028	1.0000e-004	0.0203	7.3500e-003	0.0277	0.0112	6.7600e-003	0.0179	0.0000	9.2193	9.2193	2.7800e-003	0.0000	9.2777

3.3 Site Preparation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614
Total	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0147	0.1538	0.1043	1.2000e-004		8.7900e-003	8.7900e-003		8.0900e-003	8.0900e-003	0.0000	11.2266	11.2266	3.3900e-003	0.0000	11.2977
Total	0.0147	0.1538	0.1043	1.2000e-004	0.0262	8.7900e-003	0.0350	0.0135	8.0900e-003	0.0216	0.0000	11.2266	11.2266	3.3900e-003	0.0000	11.2977

3.4 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	3.1000e-004	3.0500e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4813	0.4813	3.0000e-005	0.0000	0.4819
Total	2.2000e-004	3.1000e-004	3.0500e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4813	0.4813	3.0000e-005	0.0000	0.4819

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0118	0.0000	0.0118	6.0600e-003	0.0000	6.0600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0147	0.1538	0.1043	1.2000e-004		8.7900e-003	8.7900e-003		8.0900e-003	8.0900e-003	0.0000	11.2265	11.2265	3.3900e-003	0.0000	11.2977
Total	0.0147	0.1538	0.1043	1.2000e-004	0.0118	8.7900e-003	0.0206	6.0600e-003	8.0900e-003	0.0142	0.0000	11.2265	11.2265	3.3900e-003	0.0000	11.2977

3.4 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	3.1000e-004	3.0500e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4813	0.4813	3.0000e-005	0.0000	0.4819
Total	2.2000e-004	3.1000e-004	3.0500e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4813	0.4813	3.0000e-005	0.0000	0.4819

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3883	3.2497	2.1098	3.0600e-003		0.2243	0.2243		0.2107	0.2107	0.0000	276.0551	276.0551	0.0685	0.0000	277.4929
Total	0.3883	3.2497	2.1098	3.0600e-003		0.2243	0.2243		0.2107	0.2107	0.0000	276.0551	276.0551	0.0685	0.0000	277.4929

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1935	1.6278	2.2041	3.8800e-003	0.1053	0.0244	0.1297	0.0302	0.0224	0.0526	0.0000	352.5400	352.5400	2.8300e-003	0.0000	352.5995
Worker	0.1252	0.1760	1.7098	3.5500e-003	0.3062	2.4400e-003	0.3086	0.0814	2.2400e-003	0.0837	0.0000	269.7915	269.7915	0.0144	0.0000	270.0943
Total	0.3187	1.8038	3.9138	7.4300e-003	0.4115	0.0268	0.4383	0.1116	0.0247	0.1363	0.0000	622.3315	622.3315	0.0173	0.0000	622.6938

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3883	3.2497	2.1098	3.0600e-003		0.2243	0.2243		0.2107	0.2107	0.0000	276.0548	276.0548	0.0685	0.0000	277.4926
Total	0.3883	3.2497	2.1098	3.0600e-003		0.2243	0.2243		0.2107	0.2107	0.0000	276.0548	276.0548	0.0685	0.0000	277.4926

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1935	1.6278	2.2041	3.8800e-003	0.1053	0.0244	0.1297	0.0302	0.0224	0.0526	0.0000	352.5400	352.5400	2.8300e-003	0.0000	352.5995
Worker	0.1252	0.1760	1.7098	3.5500e-003	0.3062	2.4400e-003	0.3086	0.0814	2.2400e-003	0.0837	0.0000	269.7915	269.7915	0.0144	0.0000	270.0943
Total	0.3187	1.8038	3.9138	7.4300e-003	0.4115	0.0268	0.4383	0.1116	0.0247	0.1363	0.0000	622.3315	622.3315	0.0173	0.0000	622.6938

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1000e-003	0.0264	0.0181	3.0000e-005		1.7800e-003	1.7800e-003		1.6700e-003	1.6700e-003	0.0000	2.3948	2.3948	5.9000e-004	0.0000	2.4072
Total	3.1000e-003	0.0264	0.0181	3.0000e-005		1.7800e-003	1.7800e-003		1.6700e-003	1.6700e-003	0.0000	2.3948	2.3948	5.9000e-004	0.0000	2.4072

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4900e-003	0.0128	0.0178	3.0000e-005	9.2000e-004	1.8000e-004	1.1100e-003	2.6000e-004	1.7000e-004	4.3000e-004	0.0000	3.0394	3.0394	2.0000e-005	0.0000	3.0399
Worker	9.8000e-004	1.3800e-003	0.0134	3.0000e-005	2.6900e-003	2.0000e-005	2.7100e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	2.2761	2.2761	1.2000e-004	0.0000	2.2786
Total	2.4700e-003	0.0142	0.0312	6.0000e-005	3.6100e-003	2.0000e-004	3.8200e-003	9.7000e-004	1.9000e-004	1.1600e-003	0.0000	5.3155	5.3155	1.4000e-004	0.0000	5.3185

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1000e-003	0.0264	0.0181	3.0000e-005		1.7800e-003	1.7800e-003		1.6700e-003	1.6700e-003	0.0000	2.3948	2.3948	5.9000e-004	0.0000	2.4072
Total	3.1000e-003	0.0264	0.0181	3.0000e-005		1.7800e-003	1.7800e-003		1.6700e-003	1.6700e-003	0.0000	2.3948	2.3948	5.9000e-004	0.0000	2.4072

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4900e-003	0.0128	0.0178	3.0000e-005	9.2000e-004	1.8000e-004	1.1100e-003	2.6000e-004	1.7000e-004	4.3000e-004	0.0000	3.0394	3.0394	2.0000e-005	0.0000	3.0399
Worker	9.8000e-004	1.3800e-003	0.0134	3.0000e-005	2.6900e-003	2.0000e-005	2.7100e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	2.2761	2.2761	1.2000e-004	0.0000	2.2786
Total	2.4700e-003	0.0142	0.0312	6.0000e-005	3.6100e-003	2.0000e-004	3.8200e-003	9.7000e-004	1.9000e-004	1.1600e-003	0.0000	5.3155	5.3155	1.4000e-004	0.0000	5.3185

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0149	0.1512	0.1124	1.7000e-004		9.0500e-003	9.0500e-003		8.3400e-003	8.3400e-003	0.0000	15.2992	15.2992	4.5600e-003	0.0000	15.3950
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0149	0.1512	0.1124	1.7000e-004		9.0500e-003	9.0500e-003		8.3400e-003	8.3400e-003	0.0000	15.2992	15.2992	4.5600e-003	0.0000	15.3950

3.6 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	8.4000e-004	8.1800e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3888	1.3888	7.0000e-005	0.0000	1.3903
Total	6.0000e-004	8.4000e-004	8.1800e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3888	1.3888	7.0000e-005	0.0000	1.3903

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0149	0.1512	0.1124	1.7000e-004		9.0500e-003	9.0500e-003		8.3400e-003	8.3400e-003	0.0000	15.2991	15.2991	4.5600e-003	0.0000	15.3950
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0149	0.1512	0.1124	1.7000e-004		9.0500e-003	9.0500e-003		8.3400e-003	8.3400e-003	0.0000	15.2991	15.2991	4.5600e-003	0.0000	15.3950

3.6 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	8.4000e-004	8.1800e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3888	1.3888	7.0000e-005	0.0000	1.3903
Total	6.0000e-004	8.4000e-004	8.1800e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3888	1.3888	7.0000e-005	0.0000	1.3903

3.7 Architechtrual Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.5469					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6500e-003	0.0437	0.0374	6.0000e-005		3.4700e-003	3.4700e-003		3.4700e-003	3.4700e-003	0.0000	5.1065	5.1065	5.4000e-004	0.0000	5.1178
Total	4.5536	0.0437	0.0374	6.0000e-005		3.4700e-003	3.4700e-003		3.4700e-003	3.4700e-003	0.0000	5.1065	5.1065	5.4000e-004	0.0000	5.1178

3.7 Architechtrual Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9300e-003	5.5300e-003	0.0536	1.2000e-004	0.0107	8.0000e-005	0.0108	2.8600e-003	8.0000e-005	2.9300e-003	0.0000	9.1045	9.1045	4.6000e-004	0.0000	9.1142
Total	3.9300e-003	5.5300e-003	0.0536	1.2000e-004	0.0107	8.0000e-005	0.0108	2.8600e-003	8.0000e-005	2.9300e-003	0.0000	9.1045	9.1045	4.6000e-004	0.0000	9.1142

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.5469					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6500e-003	0.0437	0.0374	6.0000e-005		3.4700e-003	3.4700e-003		3.4700e-003	3.4700e-003	0.0000	5.1065	5.1065	5.4000e-004	0.0000	5.1178
Total	4.5536	0.0437	0.0374	6.0000e-005		3.4700e-003	3.4700e-003		3.4700e-003	3.4700e-003	0.0000	5.1065	5.1065	5.4000e-004	0.0000	5.1178

3.7 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9300e-003	5.5300e-003	0.0536	1.2000e-004	0.0107	8.0000e-005	0.0108	2.8600e-003	8.0000e-005	2.9300e-003	0.0000	9.1045	9.1045	4.6000e-004	0.0000	9.1142
Total	3.9300e-003	5.5300e-003	0.0536	1.2000e-004	0.0107	8.0000e-005	0.0108	2.8600e-003	8.0000e-005	2.9300e-003	0.0000	9.1045	9.1045	4.6000e-004	0.0000	9.1142

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.0724	5.1579	28.0993	0.0893	6.4075	0.1059	6.5134	1.7131	0.0978	1.8109	0.0000	5,879.7155	5,879.7155	0.1847	0.0000	5,883.5935
Unmitigated	3.0724	5.1579	28.0993	0.0893	6.4075	0.1059	6.5134	1.7131	0.0978	1.8109	0.0000	5,879.7155	5,879.7155	0.1847	0.0000	5,883.5935

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	7,046.40	1,516.80	627.20	12,759,914	12,759,914
Strip Mall	3,191.04	3,026.88	1470.96	4,499,765	4,499,765
Total	10,237.44	4,543.68	2,098.16	17,259,680	17,259,680

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,219.4032	4,219.4032	0.1908	0.0395	4,235,6466
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,219.4032	4,219.4032	0.1908	0.0395	4,235,6466
NaturalGas Mitigated	0.0604	0.5490	0.4612	3.2900e-003		0.0417	0.0417		0.0417	0.0417	0.0000	597.6789	597.6789	0.0115	0.0110	601.3163
NaturalGas Unmitigated	0.0604	0.5490	0.4612	3.2900e-003		0.0417	0.0417		0.0417	0.0417	0.0000	597.6789	597.6789	0.0115	0.0110	601.3163

5.2 Energy by Land Use - NaturalGas
Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1.10208e+007	0.0594	0.5402	0.4538	3.2400e-003		0.0411	0.0411		0.0411	0.0411	0.0000	588.1119	588.1119	0.0113	0.0108	591.6910
Strip Mall	179280	9.7000e-004	8.7900e-003	7.3800e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	9.5671	9.5671	1.8000e-004	1.8000e-004	9.6253
Total		0.0604	0.5490	0.4612	3.2900e-003		0.0417	0.0417		0.0417	0.0417	0.0000	597.6789	597.6789	0.0115	0.0110	601.3163

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	1.10208e+007	0.0594	0.5402	0.4538	3.2400e-003		0.0411	0.0411		0.0411	0.0411	0.0000	588.1119	588.1119	0.0113	0.0108	591.6910
Strip Mall	179280	9.7000e-004	8.7900e-003	7.3800e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	9.5671	9.5671	1.8000e-004	1.8000e-004	9.6253
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0604	0.5490	0.4612	3.2900e-003		0.0417	0.0417		0.0417	0.0417	0.0000	597.6789	597.6789	0.0115	0.0110	601.3163

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking Structure	1.048e+006	304.8752	0.0138	2.8500e-003	306.0489
General Office Building	1.26144e+007	3,669.6736	0.1659	0.0343	3,683.8007
Strip Mall	841680	244.8544	0.0111	2.2900e-003	245.7970
Total		4,219.4032	0.1908	0.0395	4,235.6466

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking Structure	1.048e+006	304.8752	0.0138	2.8500e-003	306.0489
General Office Building	1.26144e+007	3,669.6736	0.1659	0.0343	3,683.8007
Strip Mall	841680	244.8544	0.0111	2.2900e-003	245.7970
Total		4,219.4032	0.1908	0.0395	4,235.6466

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.8612	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0199	0.0199	5.0000e-005	0.0000	0.0210
Unmitigated	3.8612	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0199	0.0199	5.0000e-005	0.0000	0.0210

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4547					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.4056					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.4000e-004	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0199	0.0199	5.0000e-005	0.0000	0.0210
Total	3.8612	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0199	0.0199	5.0000e-005	0.0000	0.0210

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4547					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.4056					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.4000e-004	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0199	0.0199	5.0000e-005	0.0000	0.0210
Total	3.8612	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0199	0.0199	5.0000e-005	0.0000	0.0210

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	299.5442	3.8914	0.0939	410.3813
Unmitigated	299.5442	3.8922	0.0941	410.4416

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	113.75 / 69.7175	286.1289	3.7178	0.0899	392.0596
Strip Mall	5.33322 / 3.26875	13.4153	0.1743	4.2100e-003	18.3820
Total		299.5442	3.8922	0.0941	410.4416

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	113.75 / 69.7175	286.1289	3.7172	0.0897	392.0021
Strip Mall	5.33322 / 3.26875	13.4153	0.1743	4.2100e-003	18.3793
Total		299.5442	3.8914	0.0939	410.3813

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	136.1663	8.0472	0.0000	305.1575
Unmitigated	136.1663	8.0472	0.0000	305.1575

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
General Office Building	595.2	120.8202	7.1403	0.0000	270.7659
Strip Mall	75.6	15.3461	0.9069	0.0000	34.3916
Total		136.1663	8.0472	0.0000	305.1575

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
General Office Building	595.2	120.8202	7.1403	0.0000	270.7659
Strip Mall	75.6	15.3461	0.9069	0.0000	34.3916
Total		136.1663	8.0472	0.0000	305.1575

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

**BART Silicon Valley Santa Clara Extension (Diridon Station)
Santa Clara County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	640.00	1000sqft	4.45	640,000.00	0
Enclosed Parking Structure	400.00	Space	0.00	160,000.00	0
Strip Mall	72.00	1000sqft	0.00	72,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves -

Construction Off-road Equipment Mitigation - Watering twice per day

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	40.00
tblLandUse	LotAcreage	14.69	4.45
tblLandUse	LotAcreage	3.60	0.00
tblLandUse	LotAcreage	1.65	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	6.1295	54.7163	50.3262	0.0944	18.2360	2.9400	21.1760	9.9757	2.7048	12.6805	0.0000	8,891.7507	8,891.7507	1.2347	0.0000	8,917.6785
2017	227.8921	40.0196	46.7413	0.0943	3.7329	1.9858	5.7188	1.0094	1.8612	2.8706	0.0000	8,696.7662	8,696.7662	0.8028	0.0000	8,713.6246
Total	234.0216	94.7360	97.0674	0.1886	21.9689	4.9258	26.8948	10.9851	4.5659	15.5511	0.0000	17,588.5168	17,588.5168	2.0374	0.0000	17,631.3030

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	6.1295	54.7163	50.3262	0.0944	8.2996	2.9400	11.2396	4.5138	2.7048	7.2186	0.0000	8,891.7507	8,891.7507	1.2347	0.0000	8,917.6785
2017	227.8921	40.0196	46.7413	0.0943	3.7329	1.9858	5.7188	1.0094	1.8612	2.8706	0.0000	8,696.7662	8,696.7662	0.8028	0.0000	8,713.6246
Total	234.0216	94.7360	97.0674	0.1886	12.0325	4.9258	16.9583	5.5232	4.5659	10.0892	0.0000	17,588.5168	17,588.5168	2.0374	0.0000	17,631.3030

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	45.23	0.00	36.95	49.72	0.00	35.12	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Energy	0.3309	3.0084	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877
Mobile	21.9054	33.4261	186.4489	0.6552	45.9420	0.7314	46.6734	12.2488	0.6753	12.9241		47,390.9753	47,390.9753	1.4074		47,420.5313
Total	43.3990	36.4355	189.0892	0.6733	45.9420	0.9604	46.9024	12.2488	0.9043	13.1532		51,001.2364	51,001.2364	1.4773	0.0662	51,052.7757

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Energy	0.3309	3.0084	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877
Mobile	21.9054	33.4261	186.4489	0.6552	45.9420	0.7314	46.6734	12.2488	0.6753	12.9241		47,390.9753	47,390.9753	1.4074		47,420.5313
Total	43.3990	36.4355	189.0892	0.6733	45.9420	0.9604	46.9024	12.2488	0.9043	13.1532		51,001.2364	51,001.2364	1.4773	0.0662	51,052.7757

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/4/2016	5	5	
3	Grading	Grading	2/5/2016	2/16/2016	5	8	
4	Building Construction	Building Construction	2/17/2016	1/3/2017	5	230	
5	Paving	Paving	1/4/2017	1/27/2017	5	18	
6	Architectural Coating	Architectural Coating	1/28/2017	3/24/2017	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,308,000; Non-Residential Outdoor: 436,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	295.00	143.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	59.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365		4,089.284 1	4,089.284 1	1.1121		4,112.637 4
Total	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365		4,089.284 1	4,089.284 1	1.1121		4,112.637 4

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0602	0.0700	0.8203	1.7000e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		142.5067	142.5067	7.0900e-003			142.6556
Total	0.0602	0.0700	0.8203	1.7000e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		142.5067	142.5067	7.0900e-003			142.6556

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365	0.0000	4,089.2841	4,089.2841	1.1121			4,112.6374
Total	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365	0.0000	4,089.2841	4,089.2841	1.1121			4,112.6374

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0700	0.8203	1.7000e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		142.5067	142.5067	7.0900e-003		142.6556
Total	0.0602	0.0700	0.8203	1.7000e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		142.5067	142.5067	7.0900e-003		142.6556

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036		4,065.0053	4,065.0053	1.2262		4,090.7544
Total	5.0771	54.6323	41.1053	0.0391	18.0663	2.9387	21.0049	9.9307	2.7036	12.6343		4,065.0053	4,065.0053	1.2262		4,090.7544

3.3 Site Preparation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003		171.1867
Total	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003		171.1867

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544
Total	5.0771	54.6323	41.1053	0.0391	8.1298	2.9387	11.0685	4.4688	2.7036	7.1724	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544

3.3 Site Preparation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003			171.1867
Total	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003			171.1867

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000				0.0000
Off-Road	3.6669	38.4466	26.0787	0.0298		2.1984	2.1984		2.0225	2.0225		3,093.7889	3,093.7889	0.9332			3,113.3860
Total	3.6669	38.4466	26.0787	0.0298	6.5523	2.1984	8.7507	3.3675	2.0225	5.3900		3,093.7889	3,093.7889	0.9332			3,113.3860

3.4 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0602	0.0700	0.8203	1.7000e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		142.5067	142.5067	7.0900e-003			142.6556
Total	0.0602	0.0700	0.8203	1.7000e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		142.5067	142.5067	7.0900e-003			142.6556

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000	
Off-Road	3.6669	38.4466	26.0787	0.0298		2.1984	2.1984		2.0225	2.0225	0.0000	3,093.7889	3,093.7889	0.9332			3,113.3860
Total	3.6669	38.4466	26.0787	0.0298	2.9486	2.1984	5.1470	1.5154	2.0225	3.5379	0.0000	3,093.7889	3,093.7889	0.9332			3,113.3860

3.4 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0602	0.0700	0.8203	1.7000e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		142.5067	142.5067	7.0900e-003			142.6556
Total	0.0602	0.0700	0.8203	1.7000e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		142.5067	142.5067	7.0900e-003			142.6556

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.5396	13.8232	15.6876	0.0341	0.9510	0.2131	1.1640	0.2716	0.1958	0.4674		3,419.8326	3,419.8326	0.0271			3,420.4021
Worker	1.1837	1.3767	16.1320	0.0334	2.7819	0.0214	2.8034	0.7378	0.0197	0.7575		2,802.6317	2,802.6317	0.1394			2,805.5592
Total	2.7233	15.1999	31.8195	0.0675	3.7329	0.2345	3.9674	1.0094	0.2155	1.2249		6,222.4643	6,222.4643	0.1665			6,225.9612

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.5396	13.8232	15.6876	0.0341	0.9510	0.2131	1.1640	0.2716	0.1958	0.4674		3,419.8326	3,419.8326	0.0271			3,420.4021
Worker	1.1837	1.3767	16.1320	0.0334	2.7819	0.0214	2.8034	0.7378	0.0197	0.7575		2,802.6317	2,802.6317	0.1394			2,805.5592
Total	2.7233	15.1999	31.8195	0.0675	3.7329	0.2345	3.9674	1.0094	0.2155	1.2249		6,222.4643	6,222.4643	0.1665			6,225.9612

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.3566	12.3799	14.1346	0.0340	0.9510	0.1841	1.1351	0.2716	0.1693	0.4409		3,361.1984	3,361.1984	0.0257			3,361.7382
Worker	1.0652	1.2341	14.4775	0.0334	2.7819	0.0205	2.8024	0.7378	0.0189	0.7567		2,695.7625	2,695.7625	0.1274			2,698.4374
Total	2.4219	13.6140	28.6121	0.0675	3.7329	0.2046	3.9375	1.0094	0.1882	1.1976		6,056.9608	6,056.9608	0.1531			6,060.1756

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.3566	12.3799	14.1346	0.0340	0.9510	0.1841	1.1351	0.2716	0.1693	0.4409		3,361.198 4	3,361.198 4	0.0257			3,361.738 2
Worker	1.0652	1.2341	14.4775	0.0334	2.7819	0.0205	2.8024	0.7378	0.0189	0.7567		2,695.762 5	2,695.762 5	0.1274			2,698.437 4
Total	2.4219	13.6140	28.6121	0.0675	3.7329	0.2046	3.9375	1.0094	0.1882	1.1976		6,056.960 8	6,056.960 8	0.1531			6,060.175 6

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6554	16.8035	12.4837	0.0186		1.0056	1.0056		0.9269	0.9269		1,873.826 4	1,873.826 4	0.5588			1,885.560 9
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.6554	16.8035	12.4837	0.0186		1.0056	1.0056		0.9269	0.9269		1,873.826 4	1,873.826 4	0.5588			1,885.560 9

3.6 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0722	0.0837	0.9815	2.2700e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		182.7636	182.7636	8.6400e-003			182.9449
Total	0.0722	0.0837	0.9815	2.2700e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		182.7636	182.7636	8.6400e-003			182.9449

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6554	16.8035	12.4837	0.0186		1.0056	1.0056		0.9269	0.9269	0.0000	1,873.8264	1,873.8264	0.5588			1,885.5609
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.6554	16.8035	12.4837	0.0186		1.0056	1.0056		0.9269	0.9269	0.0000	1,873.8264	1,873.8264	0.5588			1,885.5609

3.6 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0722	0.0837	0.9815	2.2700e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		182.7636	182.7636	8.6400e-003			182.9449
Total	0.0722	0.0837	0.9815	2.2700e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		182.7636	182.7636	8.6400e-003			182.9449

3.7 Architechtrual Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	227.3468					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721
Total	227.6791	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721

3.7 Architechtrual Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.2131	0.2468	2.8955	6.6900e-003	0.5564	4.1000e-003	0.5605	0.1476	3.7800e-003	0.1514		539.1525	539.1525	0.0255			539.6875
Total	0.2131	0.2468	2.8955	6.6900e-003	0.5564	4.1000e-003	0.5605	0.1476	3.7800e-003	0.1514		539.1525	539.1525	0.0255			539.6875

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	227.3468					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297			282.0721
Total	227.6791	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297			282.0721

3.7 Architechtrual Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2131	0.2468	2.8955	6.6900e-003	0.5564	4.1000e-003	0.5605	0.1476	3.7800e-003	0.1514		539.1525	539.1525	0.0255		539.6875
Total	0.2131	0.2468	2.8955	6.6900e-003	0.5564	4.1000e-003	0.5605	0.1476	3.7800e-003	0.1514		539.1525	539.1525	0.0255		539.6875

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	21.9054	33.4261	186.4489	0.6552	45.9420	0.7314	46.6734	12.2488	0.6753	12.9241		47,390.9753	47,390.9753	1.4074		47,420.5313
Unmitigated	21.9054	33.4261	186.4489	0.6552	45.9420	0.7314	46.6734	12.2488	0.6753	12.9241		47,390.9753	47,390.9753	1.4074		47,420.5313

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	7,046.40	1,516.80	627.20	12,759,914	12,759,914
Strip Mall	3,191.04	3,026.88	1470.96	4,499,765	4,499,765
Total	10,237.44	4,543.68	2,098.16	17,259,680	17,259,680

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3309	3.0084	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877
NaturalGas Unmitigated	0.3309	3.0084	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	30194	0.3256	2.9602	2.4866	0.0178		0.2250	0.2250		0.2250	0.2250		3,552.2321	3,552.2321	0.0681	0.0651	3,573.8504
Strip Mall	491.178	5.3000e-003	0.0482	0.0405	2.9000e-004		3.6600e-003	3.6600e-003		3.6600e-003	3.6600e-003		57.7857	57.7857	1.1100e-003	1.0600e-003	58.1373
Total		0.3309	3.0083	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	30.194	0.3256	2.9602	2.4866	0.0178		0.2250	0.2250		0.2250	0.2250		3,552.2321	3,552.2321	0.0681	0.0651	3,573.8504
Strip Mall	0.491178	5.3000e-003	0.0482	0.0405	2.9000e-004		3.6600e-003	3.6600e-003		3.6600e-003	3.6600e-003		57.7857	57.7857	1.1100e-003	1.0600e-003	58.1373
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3309	3.0083	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Unmitigated	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.4915					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	18.6608					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0104	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Total	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.4915					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	18.6608					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0104	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Total	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Diridon Station)
Santa Clara County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	640.00	1000sqft	4.45	640,000.00	0
Enclosed Parking Structure	400.00	Space	0.00	160,000.00	0
Strip Mall	72.00	1000sqft	0.00	72,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves -

Construction Off-road Equipment Mitigation - Watering twice per day

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	40.00
tblLandUse	LotAcreage	14.69	4.45
tblLandUse	LotAcreage	3.60	0.00
tblLandUse	LotAcreage	1.65	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	6.4812	54.7350	57.0569	0.0915	18.2360	2.9400	21.1760	9.9757	2.7048	12.6805	0.0000	8,639.743 1	8,639.743 1	1.2347	0.0000	8,665.670 8
2017	227.8902	40.8505	53.4278	0.0914	3.7329	1.9877	5.7206	1.0094	1.8629	2.8723	0.0000	8,453.435 0	8,453.435 0	0.8035	0.0000	8,470.307 6
Total	234.3714	95.5856	110.4847	0.1829	21.9689	4.9277	26.8966	10.9851	4.5677	15.5528	0.0000	17,093.17 80	17,093.17 80	2.0381	0.0000	17,135.97 84

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	6.4812	54.7350	57.0569	0.0915	8.2996	2.9400	11.2396	4.5138	2.7048	7.2186	0.0000	8,639.743 1	8,639.743 1	1.2347	0.0000	8,665.670 8
2017	227.8902	40.8505	53.4278	0.0914	3.7329	1.9877	5.7206	1.0094	1.8629	2.8723	0.0000	8,453.435 0	8,453.435 0	0.8035	0.0000	8,470.307 6
Total	234.3714	95.5856	110.4847	0.1829	12.0325	4.9277	16.9602	5.5232	4.5677	10.0909	0.0000	17,093.17 80	17,093.17 80	2.0381	0.0000	17,135.97 84

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	45.23	0.00	36.94	49.72	0.00	35.12	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Energy	0.3309	3.0084	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877
Mobile	22.5185	37.1329	212.1524	0.6125	45.9420	0.7343	46.6763	12.2488	0.6780	12.9268		44,460.3322	44,460.3322	1.4101		44,489.9449
Total	44.0121	40.1423	214.7926	0.6305	45.9420	0.9633	46.9054	12.2488	0.9070	13.1559		48,070.5932	48,070.5932	1.4800	0.0662	48,122.1893

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Energy	0.3309	3.0084	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877
Mobile	22.5185	37.1329	212.1524	0.6125	45.9420	0.7343	46.6763	12.2488	0.6780	12.9268		44,460.3322	44,460.3322	1.4101		44,489.9449
Total	44.0121	40.1423	214.7926	0.6305	45.9420	0.9633	46.9054	12.2488	0.9070	13.1559		48,070.5932	48,070.5932	1.4800	0.0662	48,122.1893

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/4/2016	5	5	
3	Grading	Grading	2/5/2016	2/16/2016	5	8	
4	Building Construction	Building Construction	2/17/2016	1/3/2017	5	230	
5	Paving	Paving	1/4/2017	1/27/2017	5	18	
6	Architectural Coating	Architectural Coating	1/28/2017	3/24/2017	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,308,000; Non-Residential Outdoor: 436,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	295.00	143.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	59.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365		4,089.284 1	4,089.284 1	1.1121		4,112.637 4
Total	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365		4,089.284 1	4,089.284 1	1.1121		4,112.637 4

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0601	0.0856	0.7875	1.5600e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		131.0225	131.0225	7.0900e-003			131.1713
Total	0.0601	0.0856	0.7875	1.5600e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		131.0225	131.0225	7.0900e-003			131.1713

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365	0.0000	4,089.2841	4,089.2841	1.1121			4,112.6374
Total	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365	0.0000	4,089.2841	4,089.2841	1.1121			4,112.6374

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0601	0.0856	0.7875	1.5600e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		131.0225	131.0225	7.0900e-003			131.1713
Total	0.0601	0.0856	0.7875	1.5600e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		131.0225	131.0225	7.0900e-003			131.1713

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036		4,065.0053	4,065.0053	1.2262		4,090.7544
Total	5.0771	54.6323	41.1053	0.0391	18.0663	2.9387	21.0049	9.9307	2.7036	12.6343		4,065.0053	4,065.0053	1.2262		4,090.7544

3.3 Site Preparation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003			157.4056
Total	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003			157.4056

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000	
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036	0.0000	4,065.0053	4,065.0053	1.2262			4,090.7544
Total	5.0771	54.6323	41.1053	0.0391	8.1298	2.9387	11.0685	4.4688	2.7036	7.1724	0.0000	4,065.0053	4,065.0053	1.2262			4,090.7544

3.3 Site Preparation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003		157.4056
Total	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003		157.4056

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.6669	38.4466	26.0787	0.0298		2.1984	2.1984		2.0225	2.0225		3,093.7889	3,093.7889	0.9332		3,113.3860
Total	3.6669	38.4466	26.0787	0.0298	6.5523	2.1984	8.7507	3.3675	2.0225	5.3900		3,093.7889	3,093.7889	0.9332		3,113.3860

3.4 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0856	0.7875	1.5600e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		131.0225	131.0225	7.0900e-003		131.1713
Total	0.0601	0.0856	0.7875	1.5600e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		131.0225	131.0225	7.0900e-003		131.1713

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	3.6669	38.4466	26.0787	0.0298		2.1984	2.1984		2.0225	2.0225	0.0000	3,093.7889	3,093.7889	0.9332		3,113.3860
Total	3.6669	38.4466	26.0787	0.0298	2.9486	2.1984	5.1470	1.5154	2.0225	3.5379	0.0000	3,093.7889	3,093.7889	0.9332		3,113.3860

3.4 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0601	0.0856	0.7875	1.5600e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		131.0225	131.0225	7.0900e-003			131.1713
Total	0.0601	0.0856	0.7875	1.5600e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		131.0225	131.0225	7.0900e-003			131.1713

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.8932	14.4515	23.0633	0.0340	0.9510	0.2153	1.1663	0.2716	0.1979	0.4695		3,393.6813	3,393.6813	0.0278			3,394.2648
Worker	1.1817	1.6833	15.4869	0.0307	2.7819	0.0214	2.8034	0.7378	0.0197	0.7575		2,576.7754	2,576.7754	0.1394			2,579.7028
Total	3.0749	16.1348	38.5503	0.0647	3.7329	0.2367	3.9697	1.0094	0.2176	1.2270		5,970.4567	5,970.4567	0.1672			5,973.9676

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.8932	14.4515	23.0633	0.0340	0.9510	0.2153	1.1663	0.2716	0.1979	0.4695		3,393.6813	3,393.6813	0.0278			3,394.2648
Worker	1.1817	1.6833	15.4869	0.0307	2.7819	0.0214	2.8034	0.7378	0.0197	0.7575		2,576.7754	2,576.7754	0.1394			2,579.7028
Total	3.0749	16.1348	38.5503	0.0647	3.7329	0.2367	3.9697	1.0094	0.2176	1.2270		5,970.4567	5,970.4567	0.1672			5,973.9676

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.6467	12.9357	21.5025	0.0339	0.9510	0.1860	1.1370	0.2716	0.1710	0.4426		3,335.406 2	3,335.406 2	0.0264			3,335.960 1
Worker	1.0558	1.5092	13.7962	0.0307	2.7819	0.0205	2.8024	0.7378	0.0189	0.7567		2,478.223 5	2,478.223 5	0.1274			2,480.898 4
Total	2.7025	14.4449	35.2986	0.0646	3.7329	0.2065	3.9394	1.0094	0.1899	1.1993		5,813.629 6	5,813.629 6	0.1538			5,816.858 5

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.805 3	2,639.805 3	0.6497			2,653.449 0
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.805 3	2,639.805 3	0.6497			2,653.449 0

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.6467	12.9357	21.5025	0.0339	0.9510	0.1860	1.1370	0.2716	0.1710	0.4426		3,335.406 2	3,335.406 2	0.0264			3,335.960 1
Worker	1.0558	1.5092	13.7962	0.0307	2.7819	0.0205	2.8024	0.7378	0.0189	0.7567		2,478.223 5	2,478.223 5	0.1274			2,480.898 4
Total	2.7025	14.4449	35.2986	0.0646	3.7329	0.2065	3.9394	1.0094	0.1899	1.1993		5,813.629 6	5,813.629 6	0.1538			5,816.858 5

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6554	16.8035	12.4837	0.0186		1.0056	1.0056		0.9269	0.9269		1,873.826 4	1,873.826 4	0.5588			1,885.560 9
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.6554	16.8035	12.4837	0.0186		1.0056	1.0056		0.9269	0.9269		1,873.826 4	1,873.826 4	0.5588			1,885.560 9

3.6 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0716	0.1023	0.9353	2.0800e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		168.0152	168.0152	8.6400e-003			168.1965
Total	0.0716	0.1023	0.9353	2.0800e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		168.0152	168.0152	8.6400e-003			168.1965

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6554	16.8035	12.4837	0.0186		1.0056	1.0056		0.9269	0.9269	0.0000	1,873.8264	1,873.8264	0.5588			1,885.5609
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.6554	16.8035	12.4837	0.0186		1.0056	1.0056		0.9269	0.9269	0.0000	1,873.8264	1,873.8264	0.5588			1,885.5609

3.6 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0716	0.1023	0.9353	2.0800e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		168.0152	168.0152	8.6400e-003			168.1965
Total	0.0716	0.1023	0.9353	2.0800e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		168.0152	168.0152	8.6400e-003			168.1965

3.7 Architechtrual Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	227.3468					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721
Total	227.6791	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721

3.7 Architechtrual Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.2112	0.3018	2.7592	6.1400e-003	0.5564	4.1000e-003	0.5605	0.1476	3.7800e-003	0.1514		495.6447	495.6447	0.0255			496.1797
Total	0.2112	0.3018	2.7592	6.1400e-003	0.5564	4.1000e-003	0.5605	0.1476	3.7800e-003	0.1514		495.6447	495.6447	0.0255			496.1797

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	227.3468					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297			282.0721
Total	227.6791	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297			282.0721

3.7 Architechtrual Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.2112	0.3018	2.7592	6.1400e-003	0.5564	4.1000e-003	0.5605	0.1476	3.7800e-003	0.1514		495.6447	495.6447	0.0255			496.1797
Total	0.2112	0.3018	2.7592	6.1400e-003	0.5564	4.1000e-003	0.5605	0.1476	3.7800e-003	0.1514		495.6447	495.6447	0.0255			496.1797

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	22.5185	37.1329	212.1524	0.6125	45.9420	0.7343	46.6763	12.2488	0.6780	12.9268		44,460.33 22	44,460.33 22	1.4101			44,489.94 49
Unmitigated	22.5185	37.1329	212.1524	0.6125	45.9420	0.7343	46.6763	12.2488	0.6780	12.9268		44,460.33 22	44,460.33 22	1.4101			44,489.94 49

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	7,046.40	1,516.80	627.20	12,759,914	12,759,914
Strip Mall	3,191.04	3,026.88	1470.96	4,499,765	4,499,765
Total	10,237.44	4,543.68	2,098.16	17,259,680	17,259,680

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3309	3.0084	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877
NaturalGas Unmitigated	0.3309	3.0084	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	30194	0.3256	2.9602	2.4866	0.0178		0.2250	0.2250		0.2250	0.2250		3,552.2321	3,552.2321	0.0681	0.0651	3,573.8504
Strip Mall	491.178	5.3000e-003	0.0482	0.0405	2.9000e-004		3.6600e-003	3.6600e-003		3.6600e-003	3.6600e-003		57.7857	57.7857	1.1100e-003	1.0600e-003	58.1373
Total		0.3309	3.0083	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	30.194	0.3256	2.9602	2.4866	0.0178		0.2250	0.2250		0.2250	0.2250		3,552.2321	3,552.2321	0.0681	0.0651	3,573.8504
Strip Mall	0.491178	5.3000e-003	0.0482	0.0405	2.9000e-004		3.6600e-003	3.6600e-003		3.6600e-003	3.6600e-003		57.7857	57.7857	1.1100e-003	1.0600e-003	58.1373
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3309	3.0083	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Unmitigated	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.4915					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	18.6608					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0104	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Total	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.4915					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	18.6608					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0104	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Total	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

**BART Silicon Valley Santa Clara Extension (Downtown San Jose East Option)
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	618.00	1000sqft	3.59	618,000.00	0
Enclosed Parking Structure	1,398.00	Space	0.00	559,200.00	0
Strip Mall	160.00	1000sqft	0.00	160,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	50.00
tblLandUse	LotAcreage	14.19	3.59
tblLandUse	LotAcreage	12.58	0.00
tblLandUse	LotAcreage	3.67	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.8610	6.1783	8.2010	0.0154	0.7344	0.2744	1.0088	0.2180	0.2566	0.4746	0.0000	1,282.6839	1,282.6839	0.1088	0.0000	1,284.9692
2018	7.0099	0.2546	0.3573	7.1000e-004	0.0325	0.0141	0.0465	8.6700e-003	0.0133	0.0220	0.0000	56.6028	56.6028	7.2900e-003	0.0000	56.7559
Total	7.8708	6.4329	8.5583	0.0161	0.7668	0.2885	1.0554	0.2266	0.2699	0.4965	0.0000	1,339.2867	1,339.2867	0.1161	0.0000	1,341.7251

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.8610	6.1783	8.2010	0.0154	0.6951	0.2744	0.9696	0.1969	0.2566	0.4535	0.0000	1,282.6835	1,282.6835	0.1088	0.0000	1,284.9688
2018	7.0099	0.2546	0.3573	7.1000e-004	0.0325	0.0141	0.0465	8.6700e-003	0.0133	0.0220	0.0000	56.6028	56.6028	7.2900e-003	0.0000	56.7559
Total	7.8708	6.4329	8.5583	0.0161	0.7276	0.2885	1.0161	0.2056	0.2699	0.4755	0.0000	1,339.2863	1,339.2863	0.1161	0.0000	1,341.7247

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	5.12	0.00	3.72	9.30	0.00	4.24	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.9215	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0389	0.0389	1.0000e-004	0.0000	0.0410
Energy	0.0595	0.5412	0.4546	3.2500e-003		0.0411	0.0411		0.0411	0.0411	0.0000	5,742.3439	5,742.3439	0.2443	0.0590	5,765.7676
Mobile	4.2454	6.8186	37.6379	0.1159	8.2864	0.1387	8.4251	2.2155	0.1280	2.3435	0.0000	7,632.1719	7,632.1719	0.2413	0.0000	7,637.2398
Waste						0.0000	0.0000		0.0000	0.0000	150.7695	0.0000	150.7695	8.9102	0.0000	337.8842
Water						0.0000	0.0000		0.0000	0.0000	38.6070	267.4981	306.1051	3.9774	0.0961	419.4314
Total	10.2265	7.3600	38.1125	0.1192	8.2864	0.1799	8.4663	2.2155	0.1692	2.3847	189.3765	13,642.0528	13,831.4293	13.3734	0.1551	14,160.3640

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.9215	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0389	0.0389	1.0000e-004	0.0000	0.0410
Energy	0.0595	0.5412	0.4546	3.2500e-003		0.0411	0.0411		0.0411	0.0411	0.0000	5,742.3439	5,742.3439	0.2443	0.0590	5,765.7676
Mobile	4.2454	6.8186	37.6379	0.1159	8.2864	0.1387	8.4251	2.2155	0.1280	2.3435	0.0000	7,632.1719	7,632.1719	0.2413	0.0000	7,637.2398
Waste						0.0000	0.0000		0.0000	0.0000	150.7695	0.0000	150.7695	8.9102	0.0000	337.8842
Water						0.0000	0.0000		0.0000	0.0000	38.6070	267.4981	306.1051	3.9767	0.0960	419.3698
Total	10.2265	7.3600	38.1125	0.1192	8.2864	0.1799	8.4663	2.2155	0.1692	2.3847	189.3765	13,642.0528	13,831.4293	13.3726	0.1550	14,160.3024

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.10	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/3/2017	5	5	
3	Grading	Grading	2/4/2017	2/15/2017	5	8	
4	Building Construction	Building Construction	2/16/2017	1/3/2018	5	230	
5	Paving	Paving	1/4/2018	1/29/2018	5	18	
6	Architectural Coating	Architectural Coating	1/30/2018	4/9/2018	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 2,005,800; Non-Residential Outdoor: 668,600 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	484.00	219.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	97.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0405	0.4270	0.3389	4.0000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	36.6182	36.6182	0.0101	0.0000	36.8292
Total	0.0405	0.4270	0.3389	4.0000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	36.6182	36.6182	0.0101	0.0000	36.8292

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586	
Total	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0405	0.4270	0.3389	4.0000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	36.6182	36.6182	0.0101	0.0000	36.8291
Total	0.0405	0.4270	0.3389	4.0000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	36.6182	36.6182	0.0101	0.0000	36.8291

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586
Total	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0121	0.1294	0.0985	1.0000e-004		6.8900e-003	6.8900e-003		6.3300e-003	6.3300e-003	0.0000	9.0789	9.0789	2.7800e-003	0.0000	9.1373
Total	0.0121	0.1294	0.0985	1.0000e-004	0.0452	6.8900e-003	0.0521	0.0248	6.3300e-003	0.0312	0.0000	9.0789	9.0789	2.7800e-003	0.0000	9.1373

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	2.1000e-004	2.0400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3472	0.3472	2.0000e-005	0.0000	0.3476	0.3476
Total	1.5000e-004	2.1000e-004	2.0400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3472	0.3472	2.0000e-005	0.0000	0.3476	0.3476

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Fugitive Dust					0.0203	0.0000	0.0203	0.0112	0.0000	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0121	0.1294	0.0985	1.0000e-004		6.8900e-003	6.8900e-003		6.3300e-003	6.3300e-003	0.0000	9.0788	9.0788	2.7800e-003	0.0000	9.1373	9.1373
Total	0.0121	0.1294	0.0985	1.0000e-004	0.0203	6.8900e-003	0.0272	0.0112	6.3300e-003	0.0175	0.0000	9.0788	9.0788	2.7800e-003	0.0000	9.1373	9.1373

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	2.1000e-004	2.0400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3472	0.3472	2.0000e-005	0.0000	0.3476
Total	1.5000e-004	2.1000e-004	2.0400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3472	0.3472	2.0000e-005	0.0000	0.3476

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0138	0.1439	0.1015	1.2000e-004		8.1600e-003	8.1600e-003		7.5000e-003	7.5000e-003	0.0000	11.0447	11.0447	3.3800e-003	0.0000	11.1157
Total	0.0138	0.1439	0.1015	1.2000e-004	0.0262	8.1600e-003	0.0344	0.0135	7.5000e-003	0.0210	0.0000	11.0447	11.0447	3.3800e-003	0.0000	11.1157

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	2.8000e-004	2.7300e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4629	0.4629	2.0000e-005	0.0000	0.4634	
Total	2.0000e-004	2.8000e-004	2.7300e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4629	0.4629	2.0000e-005	0.0000	0.4634	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Fugitive Dust					0.0118	0.0000	0.0118	6.0600e-003	0.0000	6.0600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0138	0.1439	0.1015	1.2000e-004		8.1600e-003	8.1600e-003		7.5000e-003	7.5000e-003	0.0000	11.0447	11.0447	3.3800e-003	0.0000	11.1157	
Total	0.0138	0.1439	0.1015	1.2000e-004	0.0118	8.1600e-003	0.0200	6.0600e-003	7.5000e-003	0.0136	0.0000	11.0447	11.0447	3.3800e-003	0.0000	11.1157	

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	2.8000e-004	2.7300e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4629	0.4629	2.0000e-005	0.0000	0.4634
Total	2.0000e-004	2.8000e-004	2.7300e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4629	0.4629	2.0000e-005	0.0000	0.4634

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3521	2.9970	2.0577	3.0400e-003		0.2022	0.2022		0.1899	0.1899	0.0000	271.8088	271.8088	0.0669	0.0000	273.2136
Total	0.3521	2.9970	2.0577	3.0400e-003		0.2022	0.2022		0.1899	0.1899	0.0000	271.8088	271.8088	0.0669	0.0000	273.2136

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2585	2.2221	3.0967	5.9000e-003	0.1605	0.0321	0.1927	0.0460	0.0296	0.0756	0.0000	528.3137	528.3137	4.1000e-003	0.0000	528.3998
Worker	0.1831	0.2577	2.4961	5.7900e-003	0.5002	3.8200e-003	0.5040	0.1330	3.5200e-003	0.1365	0.0000	423.8522	423.8522	0.0215	0.0000	424.3041
Total	0.4416	2.4798	5.5928	0.0117	0.6607	0.0360	0.6967	0.1791	0.0331	0.2121	0.0000	952.1659	952.1659	0.0256	0.0000	952.7038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3521	2.9970	2.0577	3.0400e-003		0.2022	0.2022		0.1899	0.1899	0.0000	271.8085	271.8085	0.0669	0.0000	273.2133
Total	0.3521	2.9970	2.0577	3.0400e-003		0.2022	0.2022		0.1899	0.1899	0.0000	271.8085	271.8085	0.0669	0.0000	273.2133

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2585	2.2221	3.0967	5.9000e-003	0.1605	0.0321	0.1927	0.0460	0.0296	0.0756	0.0000	528.3137	528.3137	4.1000e-003	0.0000	528.3998
Worker	0.1831	0.2577	2.4961	5.7900e-003	0.5002	3.8200e-003	0.5040	0.1330	3.5200e-003	0.1365	0.0000	423.8522	423.8522	0.0215	0.0000	424.3041
Total	0.4416	2.4798	5.5928	0.0117	0.6607	0.0360	0.6967	0.1791	0.0331	0.2121	0.0000	952.1659	952.1659	0.0256	0.0000	952.7038

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.0000e-003	0.0349	0.0263	4.0000e-005		2.2400e-003	2.2400e-003		2.1100e-003	2.1100e-003	0.0000	3.5516	3.5516	8.7000e-004	0.0000	3.5698
Total	4.0000e-003	0.0349	0.0263	4.0000e-005		2.2400e-003	2.2400e-003		2.1100e-003	2.1100e-003	0.0000	3.5516	3.5516	8.7000e-004	0.0000	3.5698

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0900e-003	0.0266	0.0386	8.0000e-005	2.1200e-003	3.9000e-004	2.5100e-003	6.1000e-004	3.6000e-004	9.7000e-004	0.0000	6.8601	6.8601	5.0000e-005	0.0000	6.8612
Worker	2.1700e-003	3.0700e-003	0.0296	8.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	5.0000e-005	1.8000e-003	0.0000	5.3930	5.3930	2.6000e-004	0.0000	5.3985
Total	5.2600e-003	0.0297	0.0681	1.6000e-004	8.7300e-003	4.4000e-004	9.1700e-003	2.3700e-003	4.1000e-004	2.7700e-003	0.0000	12.2531	12.2531	3.1000e-004	0.0000	12.2597

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.0000e-003	0.0349	0.0263	4.0000e-005		2.2400e-003	2.2400e-003		2.1100e-003	2.1100e-003	0.0000	3.5515	3.5515	8.7000e-004	0.0000	3.5698
Total	4.0000e-003	0.0349	0.0263	4.0000e-005		2.2400e-003	2.2400e-003		2.1100e-003	2.1100e-003	0.0000	3.5515	3.5515	8.7000e-004	0.0000	3.5698

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0900e-003	0.0266	0.0386	8.0000e-005	2.1200e-003	3.9000e-004	2.5100e-003	6.1000e-004	3.6000e-004	9.7000e-004	0.0000	6.8601	6.8601	5.0000e-005	0.0000	6.8612
Worker	2.1700e-003	3.0700e-003	0.0296	8.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	5.0000e-005	1.8000e-003	0.0000	5.3930	5.3930	2.6000e-004	0.0000	5.3985
Total	5.2600e-003	0.0297	0.0681	1.6000e-004	8.7300e-003	4.4000e-004	9.1700e-003	2.3700e-003	4.1000e-004	2.7700e-003	0.0000	12.2531	12.2531	3.1000e-004	0.0000	12.2597

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0127	0.1289	0.1104	1.7000e-004		7.4500e-003	7.4500e-003		6.8700e-003	6.8700e-003	0.0000	15.0641	15.0641	4.5600e-003	0.0000	15.1599
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0127	0.1289	0.1104	1.7000e-004		7.4500e-003	7.4500e-003		6.8700e-003	6.8700e-003	0.0000	15.0641	15.0641	4.5600e-003	0.0000	15.1599

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	7.6000e-004	7.3400e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3371	1.3371	6.0000e-005	0.0000	1.3385
Total	5.4000e-004	7.6000e-004	7.3400e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3371	1.3371	6.0000e-005	0.0000	1.3385

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0127	0.1289	0.1104	1.7000e-004		7.4500e-003	7.4500e-003		6.8700e-003	6.8700e-003	0.0000	15.0641	15.0641	4.5600e-003	0.0000	15.1599
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0127	0.1289	0.1104	1.7000e-004		7.4500e-003	7.4500e-003		6.8700e-003	6.8700e-003	0.0000	15.0641	15.0641	4.5600e-003	0.0000	15.1599

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	7.6000e-004	7.3400e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3371	1.3371	6.0000e-005	0.0000	1.3385
Total	5.4000e-004	7.6000e-004	7.3400e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3371	1.3371	6.0000e-005	0.0000	1.3385

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.9727					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4700e-003	0.0501	0.0464	7.0000e-005		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	6.3832	6.3832	6.1000e-004	0.0000	6.3959
Total	6.9801	0.0501	0.0464	7.0000e-005		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	6.3832	6.3832	6.1000e-004	0.0000	6.3959

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2600e-003	0.0102	0.0989	2.6000e-004	0.0221	1.6000e-004	0.0222	5.8700e-003	1.5000e-004	6.0200e-003	0.0000	18.0138	18.0138	8.7000e-004	0.0000	18.0322	
Total	7.2600e-003	0.0102	0.0989	2.6000e-004	0.0221	1.6000e-004	0.0222	5.8700e-003	1.5000e-004	6.0200e-003	0.0000	18.0138	18.0138	8.7000e-004	0.0000	18.0322	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.9727					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4700e-003	0.0501	0.0464	7.0000e-005		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	6.3831	6.3831	6.1000e-004	0.0000	6.3959
Total	6.9801	0.0501	0.0464	7.0000e-005		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	6.3831	6.3831	6.1000e-004	0.0000	6.3959

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2600e-003	0.0102	0.0989	2.6000e-004	0.0221	1.6000e-004	0.0222	5.8700e-003	1.5000e-004	6.0200e-003	0.0000	18.0138	18.0138	8.7000e-004	0.0000	18.0322
Total	7.2600e-003	0.0102	0.0989	2.6000e-004	0.0221	1.6000e-004	0.0222	5.8700e-003	1.5000e-004	6.0200e-003	0.0000	18.0138	18.0138	8.7000e-004	0.0000	18.0322

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.2454	6.8186	37.6379	0.1159	8.2864	0.1387	8.4251	2.2155	0.1280	2.3435	0.0000	7,632.1719	7,632.1719	0.2413	0.0000	7,637.2398
Unmitigated	4.2454	6.8186	37.6379	0.1159	8.2864	0.1387	8.4251	2.2155	0.1280	2.3435	0.0000	7,632.1719	7,632.1719	0.2413	0.0000	7,637.2398

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	6,804.18	1,464.66	605.64	12,321,292	12,321,292
Strip Mall	7,091.20	6,726.40	3268.80	9,999,479	9,999,479
Total	13,895.38	8,191.06	3,874.44	22,320,771	22,320,771

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,153.1883	5,153.1883	0.2330	0.0482	5,173.0265
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,153.1883	5,153.1883	0.2330	0.0482	5,173.0265
NaturalGas Mitigated	0.0595	0.5412	0.4546	3.2500e-003		0.0411	0.0411		0.0411	0.0411	0.0000	589.1557	589.1557	0.0113	0.0108	592.7412
NaturalGas Unmitigated	0.0595	0.5412	0.4546	3.2500e-003		0.0411	0.0411		0.0411	0.0411	0.0000	589.1557	589.1557	0.0113	0.0108	592.7412

5.2 Energy by Land Use - NaturalGas
Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1.0642e+007	0.0574	0.5217	0.4382	3.1300e-003		0.0397	0.0397		0.0397	0.0397	0.0000	567.8955	567.8955	0.0109	0.0104	571.3516
Strip Mall	398400	2.1500e-003	0.0195	0.0164	1.2000e-004		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003	0.0000	21.2601	21.2601	4.1000e-004	3.9000e-004	21.3895
Total		0.0595	0.5412	0.4546	3.2500e-003		0.0411	0.0411		0.0411	0.0411	0.0000	589.1557	589.1557	0.0113	0.0108	592.7412

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	1.0642e+007	0.0574	0.5217	0.4382	3.1300e-003		0.0397	0.0397		0.0397	0.0397	0.0000	567.8955	567.8955	0.0109	0.0104	571.3516
Strip Mall	398400	2.1500e-003	0.0195	0.0164	1.2000e-004		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003	0.0000	21.2601	21.2601	4.1000e-004	3.9000e-004	21.3895
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0595	0.5412	0.4546	3.2500e-003		0.0411	0.0411		0.0411	0.0411	0.0000	589.1557	589.1557	0.0113	0.0108	592.7412

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking Structure	3.66276e+006	1,065.5389	0.0482	9.9700e-003	1,069.6409
General Office Building	1.21808e+007	3,543.5286	0.1602	0.0332	3,557.1701
Strip Mall	1.8704e+006	544.1208	0.0246	5.0900e-003	546.2155
Total		5,153.1883	0.2330	0.0482	5,173.0265

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking Structure	3.66276e+006	1,065.5389	0.0482	9.9700e-003	1,069.6409
General Office Building	1.21808e+007	3,543.5286	0.1602	0.0332	3,557.1701
Strip Mall	1.8704e+006	544.1208	0.0246	5.0900e-003	546.2155
Total		5,153.1883	0.2330	0.0482	5,173.0265

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.9215	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0389	0.0389	1.0000e-004	0.0000	0.0410
Unmitigated	5.9215	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0389	0.0389	1.0000e-004	0.0000	0.0410

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6973					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.2224					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8400e-003	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0389	0.0389	1.0000e-004	0.0000	0.0410
Total	5.9215	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0389	0.0389	1.0000e-004	0.0000	0.0410

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6973					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.2224					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8400e-003	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0389	0.0389	1.0000e-004	0.0000	0.0410
Total	5.9215	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0389	0.0389	1.0000e-004	0.0000	0.0410

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	306.1051	3.9767	0.0960	419.3698
Unmitigated	306.1051	3.9774	0.0961	419.4314

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	109.839 / 67.321	276.2932	3.5900	0.0868	378.5826
Strip Mall	11.8516 / 7.26389	29.8119	0.3874	9.3600e-003	40.8488
Total		306.1051	3.9774	0.0961	419.4314

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	109.839 / 67.321	276.2932	3.5894	0.0866	378.5270
Strip Mall	11.8516 / 7.26389	29.8119	0.3873	9.3500e-003	40.8428
Total		306.1051	3.9767	0.0960	419.3698

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	150.7695	8.9102	0.0000	337.8842
Unmitigated	150.7695	8.9102	0.0000	337.8842

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
General Office Building	574.74	116.6670	6.8948	0.0000	261.4583
Strip Mall	168	34.1025	2.0154	0.0000	76.4259
Total		150.7695	8.9102	0.0000	337.8842

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
General Office Building	574.74	116.6670	6.8948	0.0000	261.4583
Strip Mall	168	34.1025	2.0154	0.0000	76.4259
Total		150.7695	8.9102	0.0000	337.8842

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

**BART Silicon Valley Santa Clara Extension (Downtown San Jose East Option)
Santa Clara County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	618.00	1000sqft	3.59	618,000.00	0
Enclosed Parking Structure	1,398.00	Space	0.00	559,200.00	0
Strip Mall	160.00	1000sqft	0.00	160,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	50.00
tblLandUse	LotAcreage	14.19	3.59
tblLandUse	LotAcreage	12.58	0.00
tblLandUse	LotAcreage	3.67	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.9277	51.8288	63.5288	0.1338	18.2360	2.7555	20.9915	9.9757	2.5350	12.5107	0.0000	12,210.25 29	12,210.25 29	1.2343	0.0000	12,236.17 34
2018	279.5214	42.2527	58.9920	0.1336	6.0203	1.7880	7.8083	1.6263	1.6750	3.3014	0.0000	11,926.14 86	11,926.14 86	0.8694	0.0000	11,944.40 67
Total	286.4491	94.0815	122.5207	0.2674	24.2563	4.5434	28.7998	11.6020	4.2101	15.8121	0.0000	24,136.40 16	24,136.40 16	2.1037	0.0000	24,180.58 01

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.9277	51.8288	63.5288	0.1338	8.2996	2.7555	11.0550	4.5138	2.5350	7.0489	0.0000	12,210.25 29	12,210.25 29	1.2343	0.0000	12,236.17 34
2018	279.5214	42.2527	58.9920	0.1336	6.0203	1.7880	7.8083	1.6263	1.6750	3.3014	0.0000	11,926.14 86	11,926.14 86	0.8694	0.0000	11,944.40 67
Total	286.4491	94.0815	122.5207	0.2674	14.3199	4.5434	18.8633	6.1402	4.2101	10.3502	0.0000	24,136.40 16	24,136.40 16	2.1037	0.0000	24,180.58 01

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	40.96	0.00	34.50	47.08	0.00	34.54	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Energy	0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933
Mobile	29.1617	42.6608	238.7463	0.8214	57.4047	0.9244	58.3291	15.3049	0.8536	16.1585		59,414.7756	59,414.7756	1.7759		59,452.0695
Total	61.9450	45.6283	241.4589	0.8393	57.4047	1.1506	58.5552	15.3049	1.0798	16.3847		62,973.7884	62,973.7884	1.8454	0.0652	63,032.7651

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Energy	0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933
Mobile	29.1617	42.6608	238.7463	0.8214	57.4047	0.9244	58.3291	15.3049	0.8536	16.1585		59,414.7756	59,414.7756	1.7759		59,452.0695
Total	61.9450	45.6283	241.4589	0.8393	57.4047	1.1506	58.5552	15.3049	1.0798	16.3847		62,973.7884	62,973.7884	1.8454	0.0652	63,032.7651

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/3/2017	5	5	
3	Grading	Grading	2/4/2017	2/15/2017	5	8	
4	Building Construction	Building Construction	2/16/2017	1/3/2018	5	230	
5	Paving	Paving	1/4/2018	1/29/2018	5	18	
6	Architectural Coating	Architectural Coating	1/30/2018	4/9/2018	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 2,005,800; Non-Residential Outdoor: 668,600 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	484.00	219.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	97.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211
Total	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003		137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003		137.2087

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265		4,028.8432

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003		164.6504
Total	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003		164.6504

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	8.1298	2.7542	10.8840	4.4688	2.5339	7.0027	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003		164.6504
Total	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003		164.6504

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757		3,043.6667	3,043.6667	0.9326		3,063.2507
Total	3.4555	35.9825	25.3812	0.0297	6.5523	2.0388	8.5912	3.3675	1.8757	5.2432		3,043.6667	3,043.6667	0.9326		3,063.2507

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000	
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757	0.0000	3,043.6667	3,043.6667	0.9326			3,063.2507
Total	3.4555	35.9825	25.3812	0.0297	2.9486	2.0388	4.9874	1.5154	1.8757	3.3911	0.0000	3,043.6667	3,043.6667	0.9326			3,063.2507

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.0776	18.9594	21.6467	0.0521	1.4564	0.2820	1.7384	0.4159	0.2593	0.6752		5,147.5695	5,147.5695	0.0394			5,148.3962
Worker	1.7477	2.0248	23.7529	0.0549	4.5643	0.0336	4.5979	1.2106	0.0310	1.2416		4,422.8781	4,422.8781	0.2090			4,427.2668
Total	3.8253	20.9842	45.3996	0.1070	6.0207	0.3156	6.3363	1.6265	0.2903	1.9167		9,570.4476	9,570.4476	0.2484			9,575.6630

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.0776	18.9594	21.6467	0.0521	1.4564	0.2820	1.7384	0.4159	0.2593	0.6752		5,147.5695	5,147.5695	0.0394			5,148.3962
Worker	1.7477	2.0248	23.7529	0.0549	4.5643	0.0336	4.5979	1.2106	0.0310	1.2416		4,422.8781	4,422.8781	0.2090			4,427.2668
Total	3.8253	20.9842	45.3996	0.1070	6.0207	0.3156	6.3363	1.6265	0.2903	1.9167		9,570.4476	9,570.4476	0.2484			9,575.6630

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.8914	17.1688	20.0569	0.0520	1.4561	0.2611	1.7172	0.4158	0.2402	0.6559		5,057.6526	5,057.6526	0.0386			5,058.4641
Worker	1.5780	1.8231	21.4024	0.0548	4.5643	0.0326	4.5968	1.2106	0.0301	1.2407		4,258.5571	4,258.5571	0.1921			4,262.5909
Total	3.4695	18.9919	41.4593	0.1068	6.0203	0.2937	6.3140	1.6263	0.2703	1.8966		9,316.2097	9,316.2097	0.2307			9,321.0550

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.8914	17.1688	20.0569	0.0520	1.4561	0.2611	1.7172	0.4158	0.2402	0.6559		5,057.6526	5,057.6526	0.0386			5,058.4641
Worker	1.5780	1.8231	21.4024	0.0548	4.5643	0.0326	4.5968	1.2106	0.0301	1.2407		4,258.5571	4,258.5571	0.1921			4,262.5909
Total	3.4695	18.9919	41.4593	0.1068	6.0203	0.2937	6.3140	1.6263	0.2703	1.8966		9,316.2097	9,316.2097	0.2307			9,321.0550

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.4060	14.3192	12.2631	0.0187		0.8272	0.8272		0.7628	0.7628		1,845.0348	1,845.0348	0.5587			1,856.7667
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.4060	14.3192	12.2631	0.0187		0.8272	0.8272		0.7628	0.7628		1,845.0348	1,845.0348	0.5587			1,856.7667

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0652	0.0753	0.8844	2.2700e-003	0.1886	1.3500e-003	0.1900	0.0500	1.2400e-003	0.0513		175.9734	175.9734	7.9400e-003			176.1401
Total	0.0652	0.0753	0.8844	2.2700e-003	0.1886	1.3500e-003	0.1900	0.0500	1.2400e-003	0.0513		175.9734	175.9734	7.9400e-003			176.1401

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.4060	14.3192	12.2631	0.0187		0.8272	0.8272		0.7628	0.7628	0.0000	1,845.0348	1,845.0348	0.5587			1,856.7667
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.4060	14.3192	12.2631	0.0187		0.8272	0.8272		0.7628	0.7628	0.0000	1,845.0348	1,845.0348	0.5587			1,856.7667

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0652	0.0753	0.8844	2.2700e-003	0.1886	1.3500e-003	0.1900	0.0500	1.2400e-003	0.0513		175.9734	175.9734	7.9400e-003			176.1401
Total	0.0652	0.0753	0.8844	2.2700e-003	0.1886	1.3500e-003	0.1900	0.0500	1.2400e-003	0.0513		175.9734	175.9734	7.9400e-003			176.1401

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	278.9065					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102
Total	279.2051	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.3163	0.3654	4.2893	0.0110	0.9147	6.5200e-003	0.9213	0.2426	6.0300e-003	0.2487		853.4712	853.4712	0.0385			854.2796
Total	0.3163	0.3654	4.2893	0.0110	0.9147	6.5200e-003	0.9213	0.2426	6.0300e-003	0.2487		853.4712	853.4712	0.0385			854.2796

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	278.9065					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102
Total	279.2051	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.3163	0.3654	4.2893	0.0110	0.9147	6.5200e-003	0.9213	0.2426	6.0300e-003	0.2487		853.4712	853.4712	0.0385			854.2796
Total	0.3163	0.3654	4.2893	0.0110	0.9147	6.5200e-003	0.9213	0.2426	6.0300e-003	0.2487		853.4712	853.4712	0.0385			854.2796

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	29.1617	42.6608	238.7463	0.8214	57.4047	0.9244	58.3291	15.3049	0.8536	16.1585		59,414.7756	59,414.7756	1.7759			59,452.0695
Unmitigated	29.1617	42.6608	238.7463	0.8214	57.4047	0.9244	58.3291	15.3049	0.8536	16.1585		59,414.7756	59,414.7756	1.7759			59,452.0695

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	6,804.18	1,464.66	605.64	12,321,292	12,321,292
Strip Mall	7,091.20	6,726.40	3268.80	9,999,479	9,999,479
Total	13,895.38	8,191.06	3,874.44	22,320,771	22,320,771

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933
NaturalGas Unmitigated	0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	29156.1	0.3144	2.8584	2.4011	0.0172		0.2172	0.2172		0.2172	0.2172		3,430.1241	3,430.1241	0.0657	0.0629	3,450.9993
Strip Mall	1091.51	0.0118	0.1070	0.0899	6.4000e-004		8.1300e-003	8.1300e-003		8.1300e-003	8.1300e-003		128.4126	128.4126	2.4600e-003	2.3500e-003	129.1941
Total		0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	29.1561	0.3144	2.8584	2.4011	0.0172		0.2172	0.2172		0.2172	0.2172		3,430.1241	3,430.1241	0.0657	0.0629	3,450.9993
Strip Mall	1.09151	0.0118	0.1070	0.0899	6.4000e-004		8.1300e-003	8.1300e-003		8.1300e-003	8.1300e-003		128.4126	128.4126	2.4600e-003	2.3500e-003	129.1941
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Unmitigated	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.8206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	28.6161					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0204	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Total	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.8206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	28.6161					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0204	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Total	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Downtown San Jose East Option) Santa Clara County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	618.00	1000sqft	3.59	618,000.00	0
Enclosed Parking Structure	1,398.00	Space	0.00	559,200.00	0
Strip Mall	160.00	1000sqft	0.00	160,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	50.00
tblLandUse	LotAcreage	14.19	3.59
tblLandUse	LotAcreage	12.58	0.00
tblLandUse	LotAcreage	3.67	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	7.3565	51.8456	73.6946	0.1291	18.2360	2.7555	20.9915	9.9757	2.5350	12.5107	0.0000	11,813.8416	11,813.8416	1.2343	0.0000	11,839.7621
2018	279.5163	43.4214	69.0418	0.1290	6.0203	1.7906	7.8109	1.6263	1.6774	3.3038	0.0000	11,543.1908	11,543.1908	0.8705	0.0000	11,561.4712
Total	286.8728	95.2669	142.7364	0.2580	24.2563	4.5460	28.8024	11.6020	4.2125	15.8145	0.0000	23,357.0324	23,357.0324	2.1048	0.0000	23,401.2332

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	7.3565	51.8456	73.6946	0.1291	8.2996	2.7555	11.0550	4.5138	2.5350	7.0489	0.0000	11,813.8416	11,813.8416	1.2343	0.0000	11,839.7621
2018	279.5163	43.4214	69.0418	0.1290	6.0203	1.7906	7.8109	1.6263	1.6774	3.3038	0.0000	11,543.1908	11,543.1908	0.8705	0.0000	11,561.4712
Total	286.8728	95.2669	142.7364	0.2580	14.3199	4.5460	18.8659	6.1402	4.2125	10.3526	0.0000	23,357.0324	23,357.0324	2.1048	0.0000	23,401.2332

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	40.96	0.00	34.50	47.08	0.00	34.54	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Energy	0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933
Mobile	30.0080	47.3536	275.3072	0.7680	57.4047	0.9284	58.3331	15.3049	0.8573	16.1622		55,745.3629	55,745.3629	1.7796		55,782.7339
Total	62.7914	50.3210	278.0198	0.7858	57.4047	1.1546	58.5592	15.3049	1.0834	16.3884		59,304.3758	59,304.3758	1.8490	0.0652	59,363.4295

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Energy	0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933
Mobile	30.0080	47.3536	275.3072	0.7680	57.4047	0.9284	58.3331	15.3049	0.8573	16.1622		55,745.3629	55,745.3629	1.7796		55,782.7339
Total	62.7914	50.3210	278.0198	0.7858	57.4047	1.1546	58.5592	15.3049	1.0834	16.3884		59,304.3758	59,304.3758	1.8490	0.0652	59,363.4295

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/3/2017	5	5	
3	Grading	Grading	2/4/2017	2/15/2017	5	8	
4	Building Construction	Building Construction	2/16/2017	1/3/2018	5	230	
5	Paving	Paving	1/4/2018	1/29/2018	5	18	
6	Architectural Coating	Architectural Coating	1/30/2018	4/9/2018	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 2,005,800; Non-Residential Outdoor: 668,600 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	484.00	219.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	97.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211
Total	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000				0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265			4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265			4,028.8432

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769
Total	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	8.1298	2.7542	10.8840	4.4688	2.5339	7.0027	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769
Total	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757		3,043.6667	3,043.6667	0.9326		3,063.2507
Total	3.4555	35.9825	25.3812	0.0297	6.5523	2.0388	8.5912	3.3675	1.8757	5.2432		3,043.6667	3,043.6667	0.9326		3,063.2507

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003		126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003		126.1474

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507
Total	3.4555	35.9825	25.3812	0.0297	2.9486	2.0388	4.9874	1.5154	1.8757	3.3911	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.5218	19.8105	32.9304	0.0519	1.4564	0.2848	1.7412	0.4159	0.2619	0.6778		5,108.0696	5,108.0696	0.0404			5,108.9179
Worker	1.7323	2.4761	22.6350	0.0504	4.5643	0.0336	4.5979	1.2106	0.0310	1.2416		4,065.9667	4,065.9667	0.2090			4,070.3554
Total	4.2541	22.2867	55.5654	0.1023	6.0207	0.3185	6.3391	1.6265	0.2929	1.9194		9,174.0362	9,174.0362	0.2494			9,179.2733

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.5218	19.8105	32.9304	0.0519	1.4564	0.2848	1.7412	0.4159	0.2619	0.6778		5,108.0696	5,108.0696	0.0404			5,108.9179
Worker	1.7323	2.4761	22.6350	0.0504	4.5643	0.0336	4.5979	1.2106	0.0310	1.2416		4,065.9667	4,065.9667	0.2090			4,070.3554
Total	4.2541	22.2867	55.5654	0.1023	6.0207	0.3185	6.3391	1.6265	0.2929	1.9194		9,174.0362	9,174.0362	0.2494			9,179.2733

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.2660	17.9307	31.2727	0.0518	1.4561	0.2637	1.7198	0.4158	0.2426	0.6583		5,018.7356	5,018.7356	0.0397			5,019.5694
Worker	1.5527	2.2298	20.2365	0.0504	4.5643	0.0326	4.5968	1.2106	0.0301	1.2407		3,914.5163	3,914.5163	0.1921			3,918.5501
Total	3.8187	20.1605	51.5092	0.1021	6.0203	0.2963	6.3166	1.6263	0.2727	1.8990		8,933.2519	8,933.2519	0.2318			8,938.1194

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.2660	17.9307	31.2727	0.0518	1.4561	0.2637	1.7198	0.4158	0.2426	0.6583		5,018.7356	5,018.7356	0.0397			5,019.5694
Worker	1.5527	2.2298	20.2365	0.0504	4.5643	0.0326	4.5968	1.2106	0.0301	1.2407		3,914.5163	3,914.5163	0.1921			3,918.5501
Total	3.8187	20.1605	51.5092	0.1021	6.0203	0.2963	6.3166	1.6263	0.2727	1.8990		8,933.2519	8,933.2519	0.2318			8,938.1194

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.4060	14.3192	12.2631	0.0187		0.8272	0.8272		0.7628	0.7628		1,845.0348	1,845.0348	0.5587			1,856.7667
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.4060	14.3192	12.2631	0.0187		0.8272	0.8272		0.7628	0.7628		1,845.0348	1,845.0348	0.5587			1,856.7667

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0642	0.0921	0.8362	2.0800e-003	0.1886	1.3500e-003	0.1900	0.0500	1.2400e-003	0.0513		161.7569	161.7569	7.9400e-003			161.9236
Total	0.0642	0.0921	0.8362	2.0800e-003	0.1886	1.3500e-003	0.1900	0.0500	1.2400e-003	0.0513		161.7569	161.7569	7.9400e-003			161.9236

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.4060	14.3192	12.2631	0.0187		0.8272	0.8272		0.7628	0.7628	0.0000	1,845.0348	1,845.0348	0.5587			1,856.7667
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.4060	14.3192	12.2631	0.0187		0.8272	0.8272		0.7628	0.7628	0.0000	1,845.0348	1,845.0348	0.5587			1,856.7667

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0642	0.0921	0.8362	2.0800e-003	0.1886	1.3500e-003	0.1900	0.0500	1.2400e-003	0.0513		161.7569	161.7569	7.9400e-003		161.9236
Total	0.0642	0.0921	0.8362	2.0800e-003	0.1886	1.3500e-003	0.1900	0.0500	1.2400e-003	0.0513		161.7569	161.7569	7.9400e-003		161.9236

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	278.9065					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	279.2051	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.3112	0.4469	4.0557	0.0101	0.9147	6.5200e-003	0.9213	0.2426	6.0300e-003	0.2487		784.5208	784.5208	0.0385			785.3293
Total	0.3112	0.4469	4.0557	0.0101	0.9147	6.5200e-003	0.9213	0.2426	6.0300e-003	0.2487		784.5208	784.5208	0.0385			785.3293

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	278.9065					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102
Total	279.2051	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3112	0.4469	4.0557	0.0101	0.9147	6.5200e-003	0.9213	0.2426	6.0300e-003	0.2487		784.5208	784.5208	0.0385		785.3293
Total	0.3112	0.4469	4.0557	0.0101	0.9147	6.5200e-003	0.9213	0.2426	6.0300e-003	0.2487		784.5208	784.5208	0.0385		785.3293

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	30.0080	47.3536	275.3072	0.7680	57.4047	0.9284	58.3331	15.3049	0.8573	16.1622		55,745.3629	55,745.3629	1.7796		55,782.7339
Unmitigated	30.0080	47.3536	275.3072	0.7680	57.4047	0.9284	58.3331	15.3049	0.8573	16.1622		55,745.3629	55,745.3629	1.7796		55,782.7339

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	6,804.18	1,464.66	605.64	12,321,292	12,321,292
Strip Mall	7,091.20	6,726.40	3268.80	9,999,479	9,999,479
Total	13,895.38	8,191.06	3,874.44	22,320,771	22,320,771

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933
NaturalGas Unmitigated	0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	29156.1	0.3144	2.8584	2.4011	0.0172		0.2172	0.2172		0.2172	0.2172		3,430.1241	3,430.1241	0.0657	0.0629	3,450.9993
Strip Mall	1091.51	0.0118	0.1070	0.0899	6.4000e-004		8.1300e-003	8.1300e-003		8.1300e-003	8.1300e-003		128.4126	128.4126	2.4600e-003	2.3500e-003	129.1941
Total		0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	29.1561	0.3144	2.8584	2.4011	0.0172		0.2172	0.2172		0.2172	0.2172		3,430.1241	3,430.1241	0.0657	0.0629	3,450.9993
Strip Mall	1.09151	0.0118	0.1070	0.0899	6.4000e-004		8.1300e-003	8.1300e-003		8.1300e-003	8.1300e-003		128.4126	128.4126	2.4600e-003	2.3500e-003	129.1941
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Unmitigated	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.8206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	28.6161					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0204	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Total	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.8206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	28.6161					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0204	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Total	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

**BART Silicon Valley Santa Clara Extension (Downtown San Jose West Option)
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	35.00	1000sqft	0.38	35,000.00	0
Enclosed Parking Structure	128.00	Space	0.00	51,200.00	0
Strip Mall	10.00	1000sqft	0.00	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	20.00
tblLandUse	LotAcreage	0.80	0.38
tblLandUse	LotAcreage	1.15	0.00
tblLandUse	LotAcreage	0.23	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.6026	0.9001	0.7123	1.1000e-003	0.0242	0.0572	0.0814	6.7100e-003	0.0530	0.0597	0.0000	98.5721	98.5721	0.0195	0.0000	98.9820
Total	0.6026	0.9001	0.7123	1.1000e-003	0.0242	0.0572	0.0814	6.7100e-003	0.0530	0.0597	0.0000	98.5721	98.5721	0.0195	0.0000	98.9820

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.6026	0.9001	0.7123	1.1000e-003	0.0236	0.0572	0.0808	6.4700e-003	0.0530	0.0594	0.0000	98.5720	98.5720	0.0195	0.0000	98.9819
Total	0.6026	0.9001	0.7123	1.1000e-003	0.0236	0.0572	0.0808	6.4700e-003	0.0530	0.0594	0.0000	98.5720	98.5720	0.0195	0.0000	98.9819

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	2.32	0.00	0.69	3.58	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4260	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0900e-003	3.0900e-003	1.0000e-005	0.0000	3.2600e-003
Energy	3.3800e-003	0.0308	0.0258	1.8000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	365.7440	365.7440	0.0157	3.7200e-003	367.2269
Mobile	0.2537	0.4052	2.2406	6.8700e-003	0.4911	8.2300e-003	0.4993	0.1313	7.6000e-003	0.1389	0.0000	452.5178	452.5178	0.0143	0.0000	452.8186
Waste						0.0000	0.0000		0.0000	0.0000	8.7388	0.0000	8.7388	0.5165	0.0000	19.5841
Water						0.0000	0.0000		0.0000	0.0000	2.2085	15.3024	17.5109	0.2275	5.5000e-003	23.9938
Total	0.6831	0.4360	2.2680	7.0500e-003	0.4911	0.0106	0.5017	0.1313	9.9500e-003	0.1412	10.9473	833.5673	844.5146	0.7740	9.2200e-003	863.6267

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4260	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0900e-003	3.0900e-003	1.0000e-005	0.0000	3.2600e-003
Energy	3.3800e-003	0.0308	0.0258	1.8000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	365.7440	365.7440	0.0157	3.7200e-003	367.2269
Mobile	0.2537	0.4052	2.2406	6.8700e-003	0.4911	8.2300e-003	0.4993	0.1313	7.6000e-003	0.1389	0.0000	452.5178	452.5178	0.0143	0.0000	452.8186
Waste						0.0000	0.0000		0.0000	0.0000	8.7388	0.0000	8.7388	0.5165	0.0000	19.5841
Water						0.0000	0.0000		0.0000	0.0000	2.2085	15.3024	17.5109	0.2275	5.4900e-003	23.9903
Total	0.6831	0.4360	2.2680	7.0500e-003	0.4911	0.0106	0.5017	0.1313	9.9500e-003	0.1412	10.9473	833.5673	844.5146	0.7739	9.2100e-003	863.6232

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.11	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	7/12/2016	5	20	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 144,300; Non-Residential Outdoor: 48,100 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	36.00	16.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.5600e-003	0.0562	0.0435	6.0000e-005		4.0200e-003	4.0200e-003		3.8400e-003	3.8400e-003	0.0000	5.4141	5.4141	1.0800e-003	0.0000	5.4369
Total	6.5600e-003	0.0562	0.0435	6.0000e-005		4.0200e-003	4.0200e-003		3.8400e-003	3.8400e-003	0.0000	5.4141	5.4141	1.0800e-003	0.0000	5.4369

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	2.6000e-004	2.5400e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4011	0.4011	2.0000e-005	0.0000	0.4016
Total	1.9000e-004	2.6000e-004	2.5400e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4011	0.4011	2.0000e-005	0.0000	0.4016

3.2 Demolition - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.5600e-003	0.0562	0.0435	6.0000e-005		4.0200e-003	4.0200e-003		3.8400e-003	3.8400e-003	0.0000	5.4141	5.4141	1.0800e-003	0.0000	5.4369
Total	6.5600e-003	0.0562	0.0435	6.0000e-005		4.0200e-003	4.0200e-003		3.8400e-003	3.8400e-003	0.0000	5.4141	5.4141	1.0800e-003	0.0000	5.4369

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	2.6000e-004	2.5400e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4011	0.4011	2.0000e-005	0.0000	0.4016
Total	1.9000e-004	2.6000e-004	2.5400e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4011	0.4011	2.0000e-005	0.0000	0.4016

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	6.8200e-003	3.6700e-003	0.0000		4.2000e-004	4.2000e-004		3.8000e-004	3.8000e-004	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442
Total	6.8000e-004	6.8200e-003	3.6700e-003	0.0000	2.7000e-004	4.2000e-004	6.9000e-004	3.0000e-005	3.8000e-004	4.1000e-004	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201
Total	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201

3.3 Site Preparation - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2000e-004	0.0000	1.2000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	6.8200e-003	3.6700e-003	0.0000		4.2000e-004	4.2000e-004		3.8000e-004	3.8000e-004	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442
Total	6.8000e-004	6.8200e-003	3.6700e-003	0.0000	1.2000e-004	4.2000e-004	5.4000e-004	1.0000e-005	3.8000e-004	3.9000e-004	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201
Total	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	0.0112	8.7000e-003	1.0000e-005		8.0000e-004	8.0000e-004		7.7000e-004	7.7000e-004	0.0000	1.0828	1.0828	2.2000e-004	0.0000	1.0874
Total	1.3100e-003	0.0112	8.7000e-003	1.0000e-005	7.5000e-004	8.0000e-004	1.5500e-003	4.1000e-004	7.7000e-004	1.1800e-003	0.0000	1.0828	1.0828	2.2000e-004	0.0000	1.0874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	5.0000e-005	5.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0802	0.0802	0.0000	0.0000	0.0803
Total	4.0000e-005	5.0000e-005	5.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0802	0.0802	0.0000	0.0000	0.0803

3.4 Grading - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.4000e-004	0.0000	3.4000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	0.0112	8.7000e-003	1.0000e-005		8.0000e-004	8.0000e-004		7.7000e-004	7.7000e-004	0.0000	1.0828	1.0828	2.2000e-004	0.0000	1.0874
Total	1.3100e-003	0.0112	8.7000e-003	1.0000e-005	3.4000e-004	8.0000e-004	1.1400e-003	1.9000e-004	7.7000e-004	9.6000e-004	0.0000	1.0828	1.0828	2.2000e-004	0.0000	1.0874

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	5.0000e-005	5.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0802	0.0802	0.0000	0.0000	0.0803
Total	4.0000e-005	5.0000e-005	5.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0802	0.0802	0.0000	0.0000	0.0803

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0691	0.6853	0.4106	5.7000e-004		0.0470	0.0470		0.0432	0.0432	0.0000	53.4584	53.4584	0.0161	0.0000	53.7970
Total	0.0691	0.6853	0.4106	5.7000e-004		0.0470	0.0470		0.0432	0.0432	0.0000	53.4584	53.4584	0.0161	0.0000	53.7970

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5000e-003	0.0799	0.1082	1.9000e-004	5.1700e-003	1.2000e-003	6.3600e-003	1.4800e-003	1.1000e-003	2.5800e-003	0.0000	17.3005	17.3005	1.4000e-004	0.0000	17.3034
Worker	6.7000e-003	9.4200e-003	0.0915	1.9000e-004	0.0164	1.3000e-004	0.0165	4.3600e-003	1.2000e-004	4.4800e-003	0.0000	14.4402	14.4402	7.7000e-004	0.0000	14.4564
Total	0.0162	0.0893	0.1997	3.8000e-004	0.0216	1.3300e-003	0.0229	5.8400e-003	1.2200e-003	7.0600e-003	0.0000	31.7407	31.7407	9.1000e-004	0.0000	31.7598

3.5 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0691	0.6853	0.4106	5.7000e-004		0.0470	0.0470		0.0432	0.0432	0.0000	53.4583	53.4583	0.0161	0.0000	53.7969
Total	0.0691	0.6853	0.4106	5.7000e-004		0.0470	0.0470		0.0432	0.0432	0.0000	53.4583	53.4583	0.0161	0.0000	53.7969

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5000e-003	0.0799	0.1082	1.9000e-004	5.1700e-003	1.2000e-003	6.3600e-003	1.4800e-003	1.1000e-003	2.5800e-003	0.0000	17.3005	17.3005	1.4000e-004	0.0000	17.3034
Worker	6.7000e-003	9.4200e-003	0.0915	1.9000e-004	0.0164	1.3000e-004	0.0165	4.3600e-003	1.2000e-004	4.4800e-003	0.0000	14.4402	14.4402	7.7000e-004	0.0000	14.4564
Total	0.0162	0.0893	0.1997	3.8000e-004	0.0216	1.3300e-003	0.0229	5.8400e-003	1.2200e-003	7.0600e-003	0.0000	31.7407	31.7407	9.1000e-004	0.0000	31.7598

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8000e-003	0.0266	0.0182	3.0000e-005		1.6500e-003	1.6500e-003		1.5300e-003	1.5300e-003	0.0000	2.4575	2.4575	6.7000e-004	0.0000	2.4717
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.8000e-003	0.0266	0.0182	3.0000e-005		1.6500e-003	1.6500e-003		1.5300e-003	1.5300e-003	0.0000	2.4575	2.4575	6.7000e-004	0.0000	2.4717

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614
Total	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614

3.6 Paving - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8000e-003	0.0266	0.0182	3.0000e-005		1.6500e-003	1.6500e-003		1.5300e-003	1.5300e-003	0.0000	2.4575	2.4575	6.7000e-004	0.0000	2.4717
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.8000e-003	0.0266	0.0182	3.0000e-005		1.6500e-003	1.6500e-003		1.5300e-003	1.5300e-003	0.0000	2.4575	2.4575	6.7000e-004	0.0000	2.4717

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614
Total	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5016					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6800e-003	0.0237	0.0188	3.0000e-005		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003	0.0000	2.5533	2.5533	3.0000e-004	0.0000	2.5596
Total	0.5053	0.0237	0.0188	3.0000e-005		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003	0.0000	2.5533	2.5533	3.0000e-004	0.0000	2.5596

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	3.7000e-004	3.5600e-003	1.0000e-005	6.4000e-004	1.0000e-005	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5616	0.5616	3.0000e-005	0.0000	0.5622
Total	2.6000e-004	3.7000e-004	3.5600e-003	1.0000e-005	6.4000e-004	1.0000e-005	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5616	0.5616	3.0000e-005	0.0000	0.5622

3.7 Architectural Coating - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5016					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6800e-003	0.0237	0.0188	3.0000e-005		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003	0.0000	2.5533	2.5533	3.0000e-004	0.0000	2.5596
Total	0.5053	0.0237	0.0188	3.0000e-005		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003	0.0000	2.5533	2.5533	3.0000e-004	0.0000	2.5596

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	3.7000e-004	3.5600e-003	1.0000e-005	6.4000e-004	1.0000e-005	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5616	0.5616	3.0000e-005	0.0000	0.5622
Total	2.6000e-004	3.7000e-004	3.5600e-003	1.0000e-005	6.4000e-004	1.0000e-005	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5616	0.5616	3.0000e-005	0.0000	0.5622

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2537	0.4052	2.2406	6.8700e-003	0.4911	8.2300e-003	0.4993	0.1313	7.6000e-003	0.1389	0.0000	452.5178	452.5178	0.0143	0.0000	452.8186
Unmitigated	0.2537	0.4052	2.2406	6.8700e-003	0.4911	8.2300e-003	0.4993	0.1313	7.6000e-003	0.1389	0.0000	452.5178	452.5178	0.0143	0.0000	452.8186

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	385.35	82.95	34.30	697,808	697,808
Strip Mall	443.20	420.40	204.30	624,967	624,967
Total	828.55	503.35	238.60	1,322,775	1,322,775

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	332.2529	332.2529	0.0150	3.1100e-003	333.5320
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	332.2529	332.2529	0.0150	3.1100e-003	333.5320
NaturalGas Mitigated	3.3800e-003	0.0308	0.0258	1.8000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	33.4911	33.4911	6.4000e-004	6.1000e-004	33.6950
NaturalGas Unmitigated	3.3800e-003	0.0308	0.0258	1.8000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	33.4911	33.4911	6.4000e-004	6.1000e-004	33.6950

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	602700	3.2500e-003	0.0295	0.0248	1.8000e-004		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	32.1624	32.1624	6.2000e-004	5.9000e-004	32.3581
Strip Mall	24900	1.3000e-004	1.2200e-003	1.0300e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3288	1.3288	3.0000e-005	2.0000e-005	1.3369
Total		3.3800e-003	0.0308	0.0259	1.9000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	33.4911	33.4911	6.5000e-004	6.1000e-004	33.6950

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	602700	3.2500e-003	0.0295	0.0248	1.8000e-004		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	32.1624	32.1624	6.2000e-004	5.9000e-004	32.3581
Strip Mall	24900	1.3000e-004	1.2200e-003	1.0300e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3288	1.3288	3.0000e-005	2.0000e-005	1.3369
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		3.3800e-003	0.0308	0.0259	1.9000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	33.4911	33.4911	6.5000e-004	6.1000e-004	33.6950

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking Structure	335360	97.5601	4.4100e-003	9.1000e-004	97.9357
General Office Building	689850	200.6853	9.0700e-003	1.8800e-003	201.4579
Strip Mall	116900	34.0076	1.5400e-003	3.2000e-004	34.1385
Total		332.2529	0.0150	3.1100e-003	333.5320

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking Structure	335360	97.5601	4.4100e-003	9.1000e-004	97.9357
General Office Building	689850	200.6853	9.0700e-003	1.8800e-003	201.4579
Strip Mall	116900	34.0076	1.5400e-003	3.2000e-004	34.1385
Total		332.2529	0.0150	3.1100e-003	333.5320

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4260	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0900e-003	3.0900e-003	1.0000e-005	0.0000	3.2600e-003
Unmitigated	0.4260	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0900e-003	3.0900e-003	1.0000e-005	0.0000	3.2600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0502					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3757					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5000e-004	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0900e-003	3.0900e-003	1.0000e-005	0.0000	3.2600e-003
Total	0.4260	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0900e-003	3.0900e-003	1.0000e-005	0.0000	3.2600e-003

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0502					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3757					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5000e-004	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0900e-003	3.0900e-003	1.0000e-005	0.0000	3.2600e-003
Total	0.4260	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0900e-003	3.0900e-003	1.0000e-005	0.0000	3.2600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	17.5109	0.2275	5.4900e-003	23.9903
Unmitigated	17.5109	0.2275	5.5000e-003	23.9938

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	6.22068 / 3.81268	15.6477	0.2033	4.9100e-003	21.4408
Strip Mall	0.740725 / 0.453993	1.8632	0.0242	5.9000e-004	2.5531
Total		17.5109	0.2275	5.5000e-003	23.9938

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	6.22068 / 3.81268	15.6477	0.2033	4.9100e-003	21.4376
Strip Mall	0.740725 / 0.453993	1.8632	0.0242	5.8000e-004	2.5527
Total		17.5109	0.2275	5.4900e-003	23.9903

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	8.7388	0.5165	0.0000	19.5841
Unmitigated	8.7388	0.5165	0.0000	19.5841

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
General Office Building	32.55	6.6074	0.3905	0.0000	14.8075
Strip Mall	10.5	2.1314	0.1260	0.0000	4.7766
Total		8.7388	0.5164	0.0000	19.5841

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
General Office Building	32.55	6.6074	0.3905	0.0000	14.8075
Strip Mall	10.5	2.1314	0.1260	0.0000	4.7766
Total		8.7388	0.5164	0.0000	19.5841

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

**BART Silicon Valley Santa Clara Extension (Downtown San Jose West Option)
Santa Clara County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	35.00	1000sqft	0.38	35,000.00	0
Enclosed Parking Structure	128.00	Space	0.00	51,200.00	0
Strip Mall	10.00	1000sqft	0.00	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	20.00
tblLandUse	LotAcreage	0.80	0.38
tblLandUse	LotAcreage	1.15	0.00
tblLandUse	LotAcreage	0.23	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	50.5588	15.4205	11.9361	0.0192	0.8471	0.9663	1.6517	0.4388	0.8889	1.2068	0.0000	1,903.2095	1,903.2095	0.3755	0.0000	1,911.0959
Total	50.5588	15.4205	11.9361	0.0192	0.8471	0.9663	1.6517	0.4388	0.8889	1.2068	0.0000	1,903.2095	1,903.2095	0.3755	0.0000	1,911.0959

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	50.5588	15.4205	11.9361	0.0192	0.4459	0.9663	1.4122	0.2112	0.8889	1.0094	0.0000	1,903.2095	1,903.2095	0.3755	0.0000	1,911.0959
Total	50.5588	15.4205	11.9361	0.0192	0.4459	0.9663	1.4122	0.2112	0.8889	1.0094	0.0000	1,903.2095	1,903.2095	0.3755	0.0000	1,911.0959

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	47.36	0.00	14.50	51.87	0.00	16.36	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Energy	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.5196
Mobile	1.7346	2.5238	14.1302	0.0485	3.3864	0.0546	3.4410	0.9029	0.0504	0.9533		3,506.5378	3,506.5378	0.1049		3,508.7407
Total	4.0883	2.6925	14.2894	0.0495	3.3864	0.0675	3.4538	0.9029	0.0633	0.9662		3,708.8641	3,708.8641	0.1089	3.7100e-003	3,712.3002

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Energy	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.5196
Mobile	1.7346	2.5238	14.1302	0.0485	3.3864	0.0546	3.4410	0.9029	0.0504	0.9533		3,506.5378	3,506.5378	0.1049		3,508.7407
Total	4.0883	2.6925	14.2894	0.0495	3.3864	0.0675	3.4538	0.9029	0.0633	0.9662		3,708.8641	3,708.8641	0.1089	3.7100e-003	3,712.3002

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	7/12/2016	5	20	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 144,300; Non-Residential Outdoor: 48,100 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	36.00	16.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037
Total	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037

3.2 Demolition - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037
Total	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671		973.0842	973.0842	0.2935		979.2481
Total	1.3593	13.6350	7.3401	9.3500e-003	0.5303	0.8338	1.3640	0.0573	0.7671	0.8243		973.0842	973.0842	0.2935		979.2481

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003		47.5519
Total	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003		47.5519

3.3 Site Preparation - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671	0.0000	973.0842	973.0842	0.2935		979.2481
Total	1.3593	13.6350	7.3401	9.3500e-003	0.2386	0.8338	1.0724	0.0258	0.7671	0.7928	0.0000	973.0842	973.0842	0.2935		979.2481

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003		47.5519
Total	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003		47.5519

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120	0.7528	0.8039	1.5566	0.4138	0.7674	1.1811		1,193.6106	1,193.6106	0.2386		1,198.6217

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037
Total	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037

3.4 Grading - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3387	0.0000	0.3387	0.1862	0.0000	0.1862			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120	0.3387	0.8039	1.1426	0.1862	0.7674	0.9536	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037
Total	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555		1,186.0202
Total	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555		1,186.0202

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1723	1.5467	1.7553	3.8200e-003	0.1064	0.0238	0.1302	0.0304	0.0219	0.0523		382.6386	382.6386	3.0300e-003		382.7023
Worker	0.1445	0.1680	1.9687	4.0800e-003	0.3395	2.6200e-003	0.3421	0.0900	2.4000e-003	0.0924		342.0161	342.0161	0.0170		342.3733
Total	0.3167	1.7147	3.7239	7.9000e-003	0.4459	0.0265	0.4724	0.1204	0.0243	0.1447		724.6547	724.6547	0.0200		725.0757

3.5 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646	0.0000	1,178.5549	1,178.5549	0.3555		1,186.0202
Total	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646	0.0000	1,178.5549	1,178.5549	0.3555		1,186.0202

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1723	1.5467	1.7553	3.8200e-003	0.1064	0.0238	0.1302	0.0304	0.0219	0.0523		382.6386	382.6386	3.0300e-003		382.7023
Worker	0.1445	0.1680	1.9687	4.0800e-003	0.3395	2.6200e-003	0.3421	0.0900	2.4000e-003	0.0924		342.0161	342.0161	0.0170		342.3733
Total	0.3167	1.7147	3.7239	7.9000e-003	0.4459	0.0265	0.4724	0.1204	0.0243	0.1447		724.6547	724.6547	0.0200		725.0757

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.583 2	1,083.583 2	0.2969		1,089.817 5
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.583 2	1,083.583 2	0.2969		1,089.817 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003		171.1867
Total	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003		171.1867

3.6 Paving - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113	0.0000	1,083.583 2	1,083.583 2	0.2969		1,089.817 5
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113	0.0000	1,083.583 2	1,083.583 2	0.2969		1,089.817 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003		171.1867
Total	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003		171.1867

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.1623					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	50.5308	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0281	0.0327	0.3828	7.9000e-004	0.0660	5.1000e-004	0.0665	0.0175	4.7000e-004	0.0180		66.5031	66.5031	3.3100e-003		66.5726
Total	0.0281	0.0327	0.3828	7.9000e-004	0.0660	5.1000e-004	0.0665	0.0175	4.7000e-004	0.0180		66.5031	66.5031	3.3100e-003		66.5726

3.7 Architectural Coating - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.1623					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
Total	50.5308	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0281	0.0327	0.3828	7.9000e-004	0.0660	5.1000e-004	0.0665	0.0175	4.7000e-004	0.0180		66.5031	66.5031	3.3100e-003		66.5726
Total	0.0281	0.0327	0.3828	7.9000e-004	0.0660	5.1000e-004	0.0665	0.0175	4.7000e-004	0.0180		66.5031	66.5031	3.3100e-003		66.5726

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7346	2.5238	14.1302	0.0485	3.3864	0.0546	3.4410	0.9029	0.0504	0.9533		3,506.5378	3,506.5378	0.1049		3,508.7407
Unmitigated	1.7346	2.5238	14.1302	0.0485	3.3864	0.0546	3.4410	0.9029	0.0504	0.9533		3,506.5378	3,506.5378	0.1049		3,508.7407

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	385.35	82.95	34.30	697,808	697,808
Strip Mall	443.20	420.40	204.30	624,967	624,967
Total	828.55	503.35	238.60	1,322,775	1,322,775

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.5196
NaturalGas Unmitigated	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.5196

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1651.23	0.0178	0.1619	0.1360	9.7000e-004		0.0123	0.0123		0.0123	0.0123		194.2627	194.2627	3.7200e-003	3.5600e-003	195.4449
Strip Mall	68.2192	7.4000e-004	6.6900e-003	5.6200e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.0258	8.0258	1.5000e-004	1.5000e-004	8.0746
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0186	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8700e-003	3.7100e-003	203.5196

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1.65123	0.0178	0.1619	0.1360	9.7000e-004		0.0123	0.0123		0.0123	0.0123		194.2627	194.2627	3.7200e-003	3.5600e-003	195.4449
Strip Mall	0.0682192	7.4000e-004	6.6900e-003	5.6200e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.0258	8.0258	1.5000e-004	1.5000e-004	8.0746
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0186	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8700e-003	3.7100e-003	203.5196

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Unmitigated	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6200e-003	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Total	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6200e-003	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Total	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

**BART Silicon Valley Santa Clara Extension (Downtown San Jose West Option)
Santa Clara County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	35.00	1000sqft	0.38	35,000.00	0
Enclosed Parking Structure	128.00	Space	0.00	51,200.00	0
Strip Mall	10.00	1000sqft	0.00	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	20.00
tblLandUse	LotAcreage	0.80	0.38
tblLandUse	LotAcreage	1.15	0.00
tblLandUse	LotAcreage	0.23	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	50.5588	15.5282	12.6826	0.0189	0.8471	0.9665	1.6517	0.4388	0.8892	1.2068	0.0000	1,872.721 4	1,872.721 4	0.3756	0.0000	1,880.609 3
Total	50.5588	15.5282	12.6826	0.0189	0.8471	0.9665	1.6517	0.4388	0.8892	1.2068	0.0000	1,872.721 4	1,872.721 4	0.3756	0.0000	1,880.609 3

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	50.5588	15.5282	12.6826	0.0189	0.4459	0.9665	1.4124	0.2112	0.8892	1.0096	0.0000	1,872.721 4	1,872.721 4	0.3756	0.0000	1,880.609 3
Total	50.5588	15.5282	12.6826	0.0189	0.4459	0.9665	1.4124	0.2112	0.8892	1.0096	0.0000	1,872.721 4	1,872.721 4	0.3756	0.0000	1,880.609 3

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	47.36	0.00	14.49	51.87	0.00	16.34	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Energy	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.5196
Mobile	1.7852	2.8011	16.3226	0.0453	3.3864	0.0549	3.4412	0.9029	0.0507	0.9535		3,290.0148	3,290.0148	0.1051		3,292.2223
Total	4.1389	2.9698	16.4818	0.0463	3.3864	0.0677	3.4541	0.9029	0.0635	0.9664		3,492.3411	3,492.3411	0.1091	3.7100e-003	3,495.7818

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Energy	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.5196
Mobile	1.7852	2.8011	16.3226	0.0453	3.3864	0.0549	3.4412	0.9029	0.0507	0.9535		3,290.0148	3,290.0148	0.1051		3,292.2223
Total	4.1389	2.9698	16.4818	0.0463	3.3864	0.0677	3.4541	0.9029	0.0635	0.9664		3,492.3411	3,492.3411	0.1091	3.7100e-003	3,495.7818

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	7/12/2016	5	20	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 144,300; Non-Residential Outdoor: 48,100 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	36.00	16.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003		87.4476
Total	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003		87.4476

3.2 Demolition - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003		87.4476
Total	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003		87.4476

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671		973.0842	973.0842	0.2935		979.2481
Total	1.3593	13.6350	7.3401	9.3500e-003	0.5303	0.8338	1.3640	0.0573	0.7671	0.8243		973.0842	973.0842	0.2935		979.2481

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003		43.7238
Total	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003		43.7238

3.3 Site Preparation - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671	0.0000	973.0842	973.0842	0.2935		979.2481
Total	1.3593	13.6350	7.3401	9.3500e-003	0.2386	0.8338	1.0724	0.0258	0.7671	0.7928	0.0000	973.0842	973.0842	0.2935		979.2481

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003		43.7238
Total	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003		43.7238

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120	0.7528	0.8039	1.5566	0.4138	0.7674	1.1811		1,193.6106	1,193.6106	0.2386		1,198.6217

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003		87.4476
Total	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003		87.4476

3.4 Grading - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3387	0.0000	0.3387	0.1862	0.0000	0.1862			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120	0.3387	0.8039	1.1426	0.1862	0.7674	0.9536	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003		87.4476
Total	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003		87.4476

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555		1,186.0202
Total	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555		1,186.0202

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2118	1.6170	2.5805	3.8000e-003	0.1064	0.0241	0.1305	0.0304	0.0221	0.0525		379.7126	379.7126	3.1100e-003		379.7779
Worker	0.1442	0.2054	1.8899	3.7500e-003	0.3395	2.6200e-003	0.3421	0.0900	2.4000e-003	0.0924		314.4539	314.4539	0.0170		314.8112
Total	0.3560	1.8224	4.4704	7.5500e-003	0.4459	0.0267	0.4726	0.1204	0.0245	0.1450		694.1665	694.1665	0.0201		694.5891

3.5 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646	0.0000	1,178.5549	1,178.5549	0.3555		1,186.0202
Total	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646	0.0000	1,178.5549	1,178.5549	0.3555		1,186.0202

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2118	1.6170	2.5805	3.8000e-003	0.1064	0.0241	0.1305	0.0304	0.0221	0.0525		379.7126	379.7126	3.1100e-003		379.7779
Worker	0.1442	0.2054	1.8899	3.7500e-003	0.3395	2.6200e-003	0.3421	0.0900	2.4000e-003	0.0924		314.4539	314.4539	0.0170		314.8112
Total	0.3560	1.8224	4.4704	7.5500e-003	0.4459	0.0267	0.4726	0.1204	0.0245	0.1450		694.1665	694.1665	0.0201		694.5891

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.583 2	1,083.583 2	0.2969		1,089.817 5
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.583 2	1,083.583 2	0.2969		1,089.817 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003		157.4056
Total	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003		157.4056

3.6 Paving - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113	0.0000	1,083.583 2	1,083.583 2	0.2969		1,089.817 5
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113	0.0000	1,083.583 2	1,083.583 2	0.2969		1,089.817 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003		157.4056
Total	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003		157.4056

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.1623					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	50.5308	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0280	0.0399	0.3675	7.3000e-004	0.0660	5.1000e-004	0.0665	0.0175	4.7000e-004	0.0180		61.1438	61.1438	3.3100e-003		61.2133
Total	0.0280	0.0399	0.3675	7.3000e-004	0.0660	5.1000e-004	0.0665	0.0175	4.7000e-004	0.0180		61.1438	61.1438	3.3100e-003		61.2133

3.7 Architectural Coating - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.1623					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
Total	50.5308	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0280	0.0399	0.3675	7.3000e-004	0.0660	5.1000e-004	0.0665	0.0175	4.7000e-004	0.0180		61.1438	61.1438	3.3100e-003		61.2133
Total	0.0280	0.0399	0.3675	7.3000e-004	0.0660	5.1000e-004	0.0665	0.0175	4.7000e-004	0.0180		61.1438	61.1438	3.3100e-003		61.2133

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7852	2.8011	16.3226	0.0453	3.3864	0.0549	3.4412	0.9029	0.0507	0.9535		3,290.0148	3,290.0148	0.1051		3,292.2223
Unmitigated	1.7852	2.8011	16.3226	0.0453	3.3864	0.0549	3.4412	0.9029	0.0507	0.9535		3,290.0148	3,290.0148	0.1051		3,292.2223

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	385.35	82.95	34.30	697,808	697,808
Strip Mall	443.20	420.40	204.30	624,967	624,967
Total	828.55	503.35	238.60	1,322,775	1,322,775

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.5196
NaturalGas Unmitigated	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.5196

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1651.23	0.0178	0.1619	0.1360	9.7000e-004		0.0123	0.0123		0.0123	0.0123		194.2627	194.2627	3.7200e-003	3.5600e-003	195.4449
Strip Mall	68.2192	7.4000e-004	6.6900e-003	5.6200e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.0258	8.0258	1.5000e-004	1.5000e-004	8.0746
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0186	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8700e-003	3.7100e-003	203.5196

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1.65123	0.0178	0.1619	0.1360	9.7000e-004		0.0123	0.0123		0.0123	0.0123		194.2627	194.2627	3.7200e-003	3.5600e-003	195.4449
Strip Mall	0.0682192	7.4000e-004	6.6900e-003	5.6200e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.0258	8.0258	1.5000e-004	1.5000e-004	8.0746
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0186	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8700e-003	3.7100e-003	203.5196

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Unmitigated	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6200e-003	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Total	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6200e-003	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Total	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

**BART Silicon Valley Santa Clara Extension (Santa Clara Station)
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	500.00	1000sqft	7.36	500,000.00	0
Enclosed Parking with Elevator	2,200.00	Space	0.00	880,000.00	0
Apartments Mid Rise	220.00	Dwelling Unit	0.00	220,000.00	629
Strip Mall	30.00	1000sqft	0.00	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	50.00
tblLandUse	LotAcreage	11.48	7.36
tblLandUse	LotAcreage	19.80	0.00
tblLandUse	LotAcreage	5.79	0.00
tblLandUse	LotAcreage	0.69	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.9490	6.5574	9.3769	0.0178	0.9996	0.2822	1.2818	0.3113	0.2634	0.5748	0.0000	1,471.421 2	1,471.421 2	0.1192	0.0000	1,473.925 1
2018	9.0070	0.7056	1.0991	2.2900e-003	0.1133	0.0319	0.1451	0.0305	0.0299	0.0604	0.0000	182.6444	182.6444	0.0170	0.0000	183.0010
Total	9.9560	7.2630	10.4760	0.0201	1.1129	0.3140	1.4269	0.3418	0.2934	0.6351	0.0000	1,654.065 6	1,654.065 6	0.1362	0.0000	1,656.926 1

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.9490	6.5574	9.3768	0.0178	0.9045	0.2822	1.1867	0.2605	0.2634	0.5239	0.0000	1,471.420 8	1,471.420 8	0.1192	0.0000	1,473.924 7
2018	9.0070	0.7056	1.0991	2.2900e-003	0.1133	0.0319	0.1451	0.0305	0.0299	0.0604	0.0000	182.6444	182.6444	0.0170	0.0000	183.0010
Total	9.9560	7.2630	10.4760	0.0201	1.0178	0.3140	1.3318	0.2909	0.2934	0.5843	0.0000	1,654.065 2	1,654.065 2	0.1362	0.0000	1,656.925 6

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	8.54	0.00	6.66	14.87	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.4780	0.0219	1.9011	3.0000e-004		0.0447	0.0447		0.0447	0.0447	3.6008	8.5343	12.1351	9.3700e-003	3.0000e-004	12.4249
Energy	0.0565	0.5081	0.3927	3.0800e-003		0.0390	0.0390		0.0390	0.0390	0.0000	5,478.9782	5,478.9782	0.2332	0.0563	5,501.3202
Mobile	2.5781	4.4493	24.0459	0.0779	5.5997	0.0919	5.6916	1.4972	0.0848	1.5820	0.0000	5,127.2599	5,127.2599	0.1604	0.0000	5,130.6281
Waste						0.0000	0.0000		0.0000	0.0000	121.3277	0.0000	121.3277	7.1703	0.0000	271.9032
Water						0.0000	0.0000		0.0000	0.0000	33.4458	231.9938	265.4397	3.4457	0.0833	363.6171
Total	10.1125	4.9793	26.3397	0.0812	5.5997	0.1756	5.7752	1.4972	0.1685	1.6657	158.3744	10,846.7661	11,005.1405	11.0189	0.1399	11,279.8935

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.4780	0.0219	1.9011	3.0000e-004		0.0447	0.0447		0.0447	0.0447	3.6008	8.5343	12.1351	9.3700e-003	3.0000e-004	12.4249
Energy	0.0565	0.5081	0.3927	3.0800e-003		0.0390	0.0390		0.0390	0.0390	0.0000	5,478.9782	5,478.9782	0.2332	0.0563	5,501.3202
Mobile	2.5781	4.4493	24.0459	0.0779	5.5997	0.0919	5.6916	1.4972	0.0848	1.5820	0.0000	5,127.2599	5,127.2599	0.1604	0.0000	5,130.6281
Waste						0.0000	0.0000		0.0000	0.0000	121.3277	0.0000	121.3277	7.1703	0.0000	271.9032
Water						0.0000	0.0000		0.0000	0.0000	33.4458	231.9938	265.4397	3.4451	0.0832	363.5637
Total	10.1125	4.9793	26.3397	0.0812	5.5997	0.1756	5.7752	1.4972	0.1685	1.6657	158.3744	10,846.7661	11,005.1405	11.0183	0.1397	11,279.8402

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/10/2017	5	10	
3	Grading	Grading	2/11/2017	3/10/2017	5	20	
4	Building Construction	Building Construction	3/11/2017	1/26/2018	5	230	
5	Paving	Paving	1/27/2018	2/23/2018	5	20	
6	Architectural Coating	Architectural Coating	2/24/2018	5/4/2018	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

**Residential Indoor: 445,500; Residential Outdoor: 148,500; Non-Residential Indoor: 2,115,000; Non-Residential Outdoor: 705,000
(Architectural Coating – sqft)**

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	698.00	255.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	140.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0405	0.4270	0.3389	4.0000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	36.6182	36.6182	0.0101	0.0000	36.8292
Total	0.0405	0.4270	0.3389	4.0000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	36.6182	36.6182	0.0101	0.0000	36.8292

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586
Total	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0405	0.4270	0.3389	4.0000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	36.6182	36.6182	0.0101	0.0000	36.8291
Total	0.0405	0.4270	0.3389	4.0000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	36.6182	36.6182	0.0101	0.0000	36.8291

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586
Total	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0242	0.2588	0.1970	2.0000e-004		0.0138	0.0138		0.0127	0.0127	0.0000	18.1577	18.1577	5.5600e-003	0.0000	18.2745
Total	0.0242	0.2588	0.1970	2.0000e-004	0.0903	0.0138	0.1041	0.0497	0.0127	0.0623	0.0000	18.1577	18.1577	5.5600e-003	0.0000	18.2745

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	4.2000e-004	4.0900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6944	0.6944	4.0000e-005	0.0000	0.6952
Total	3.0000e-004	4.2000e-004	4.0900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6944	0.6944	4.0000e-005	0.0000	0.6952

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0352	0.0000	0.0352	0.0194	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0242	0.2588	0.1970	2.0000e-004		0.0138	0.0138		0.0127	0.0127	0.0000	18.1577	18.1577	5.5600e-003	0.0000	18.2745
Total	0.0242	0.2588	0.1970	2.0000e-004	0.0352	0.0138	0.0490	0.0194	0.0127	0.0320	0.0000	18.1577	18.1577	5.5600e-003	0.0000	18.2745

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	4.2000e-004	4.0900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6944	0.6944	4.0000e-005	0.0000	0.6952
Total	3.0000e-004	4.2000e-004	4.0900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6944	0.6944	4.0000e-005	0.0000	0.6952

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0346	0.3598	0.2538	3.0000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	27.6117	27.6117	8.4600e-003	0.0000	27.7893
Total	0.0346	0.3598	0.2538	3.0000e-004	0.0655	0.0204	0.0859	0.0337	0.0188	0.0524	0.0000	27.6117	27.6117	8.4600e-003	0.0000	27.7893

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586
Total	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0256	0.0000	0.0256	0.0131	0.0000	0.0131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0346	0.3598	0.2538	3.0000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	27.6117	27.6117	8.4600e-003	0.0000	27.7893
Total	0.0346	0.3598	0.2538	3.0000e-004	0.0256	0.0204	0.0459	0.0131	0.0188	0.0319	0.0000	27.6117	27.6117	8.4600e-003	0.0000	27.7893

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586
Total	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3258	2.7726	1.9036	2.8100e-003		0.1870	0.1870		0.1757	0.1757	0.0000	251.4531	251.4531	0.0619	0.0000	252.7527
Total	0.3258	2.7726	1.9036	2.8100e-003		0.1870	0.1870		0.1757	0.1757	0.0000	251.4531	251.4531	0.0619	0.0000	252.7527

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2785	2.3936	3.3357	6.3600e-003	0.1729	0.0346	0.2076	0.0496	0.0318	0.0814	0.0000	569.0906	569.0906	4.4100e-003	0.0000	569.1833
Worker	0.2443	0.3438	3.3301	7.7300e-003	0.6673	5.0900e-003	0.6724	0.1775	4.6900e-003	0.1822	0.0000	565.4809	565.4809	0.0287	0.0000	566.0838
Total	0.5227	2.7374	6.6658	0.0141	0.8402	0.0397	0.8799	0.2270	0.0365	0.2636	0.0000	1,134.5715	1,134.5715	0.0331	0.0000	1,135.2670

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3258	2.7726	1.9036	2.8100e-003		0.1870	0.1870		0.1757	0.1757	0.0000	251.4528	251.4528	0.0619	0.0000	252.7524
Total	0.3258	2.7726	1.9036	2.8100e-003		0.1870	0.1870		0.1757	0.1757	0.0000	251.4528	251.4528	0.0619	0.0000	252.7524

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2785	2.3936	3.3357	6.3600e-003	0.1729	0.0346	0.2076	0.0496	0.0318	0.0814	0.0000	569.0906	569.0906	4.4100e-003	0.0000	569.1833
Worker	0.2443	0.3438	3.3301	7.7300e-003	0.6673	5.0900e-003	0.6724	0.1775	4.6900e-003	0.1822	0.0000	565.4809	565.4809	0.0287	0.0000	566.0838
Total	0.5227	2.7374	6.6658	0.0141	0.8402	0.0397	0.8799	0.2270	0.0365	0.2636	0.0000	1,134.5715	1,134.5715	0.0331	0.0000	1,135.2670

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0267	0.2326	0.1753	2.7000e-004		0.0149	0.0149		0.0141	0.0141	0.0000	23.6770	23.6770	5.7900e-003	0.0000	23.7987
Total	0.0267	0.2326	0.1753	2.7000e-004		0.0149	0.0149		0.0141	0.0141	0.0000	23.6770	23.6770	5.7900e-003	0.0000	23.7987

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0240	0.2064	0.2992	6.0000e-004	0.0165	3.0500e-003	0.0195	4.7200e-003	2.8100e-003	7.5300e-003	0.0000	53.2519	53.2519	4.1000e-004	0.0000	53.2606
Worker	0.0209	0.0295	0.2845	7.4000e-004	0.0636	4.7000e-004	0.0640	0.0169	4.3000e-004	0.0173	0.0000	51.8501	51.8501	2.5100e-003	0.0000	51.9029
Total	0.0449	0.2358	0.5837	1.3400e-003	0.0800	3.5200e-003	0.0835	0.0216	3.2400e-003	0.0249	0.0000	105.1020	105.1020	2.9200e-003	0.0000	105.1634

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0267	0.2326	0.1753	2.7000e-004		0.0149	0.0149		0.0141	0.0141	0.0000	23.6769	23.6769	5.7900e-003	0.0000	23.7986
Total	0.0267	0.2326	0.1753	2.7000e-004		0.0149	0.0149		0.0141	0.0141	0.0000	23.6769	23.6769	5.7900e-003	0.0000	23.7986

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0240	0.2064	0.2992	6.0000e-004	0.0165	3.0500e-003	0.0195	4.7200e-003	2.8100e-003	7.5300e-003	0.0000	53.2519	53.2519	4.1000e-004	0.0000	53.2606
Worker	0.0209	0.0295	0.2845	7.4000e-004	0.0636	4.7000e-004	0.0640	0.0169	4.3000e-004	0.0173	0.0000	51.8501	51.8501	2.5100e-003	0.0000	51.9029
Total	0.0449	0.2358	0.5837	1.3400e-003	0.0800	3.5200e-003	0.0835	0.0216	3.2400e-003	0.0249	0.0000	105.1020	105.1020	2.9200e-003	0.0000	105.1634

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0161	0.1716	0.1449	2.2000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0161	0.1716	0.1449	2.2000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	6.3000e-004	6.1100e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1143	1.1143	5.0000e-005	0.0000	1.1154
Total	4.5000e-004	6.3000e-004	6.1100e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1143	1.1143	5.0000e-005	0.0000	1.1154

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0161	0.1716	0.1449	2.2000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0161	0.1716	0.1449	2.2000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	6.3000e-004	6.1100e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1143	1.1143	5.0000e-005	0.0000	1.1154
Total	4.5000e-004	6.3000e-004	6.1100e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1143	1.1143	5.0000e-005	0.0000	1.1154

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	8.9009					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4700e-003	0.0501	0.0464	7.0000e-005		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	6.3832	6.3832	6.1000e-004	0.0000	6.3959
Total	8.9084	0.0501	0.0464	7.0000e-005		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	6.3832	6.3832	6.1000e-004	0.0000	6.3959

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0105	0.0148	0.1427	3.7000e-004	0.0319	2.4000e-004	0.0321	8.4700e-003	2.2000e-004	8.6900e-003	0.0000	25.9993	25.9993	1.2600e-003	0.0000	26.0258	
Total	0.0105	0.0148	0.1427	3.7000e-004	0.0319	2.4000e-004	0.0321	8.4700e-003	2.2000e-004	8.6900e-003	0.0000	25.9993	25.9993	1.2600e-003	0.0000	26.0258	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	8.9009					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4700e-003	0.0501	0.0464	7.0000e-005		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	6.3831	6.3831	6.1000e-004	0.0000	6.3959
Total	8.9084	0.0501	0.0464	7.0000e-005		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	6.3831	6.3831	6.1000e-004	0.0000	6.3959

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0105	0.0148	0.1427	3.7000e-004	0.0319	2.4000e-004	0.0321	8.4700e-003	2.2000e-004	8.6900e-003	0.0000	25.9993	25.9993	1.2600e-003	0.0000	26.0258
Total	0.0105	0.0148	0.1427	3.7000e-004	0.0319	2.4000e-004	0.0321	8.4700e-003	2.2000e-004	8.6900e-003	0.0000	25.9993	25.9993	1.2600e-003	0.0000	26.0258

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.5781	4.4493	24.0459	0.0779	5.5997	0.0919	5.6916	1.4972	0.0848	1.5820	0.0000	5,127.2599	5,127.2599	0.1604	0.0000	5,130.6281
Unmitigated	2.5781	4.4493	24.0459	0.0779	5.5997	0.0919	5.6916	1.4972	0.0848	1.5820	0.0000	5,127.2599	5,127.2599	0.1604	0.0000	5,130.6281

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,449.80	1,575.20	1335.40	3,239,992	3,239,992
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	5,505.00	1,185.00	490.00	9,968,683	9,968,683
Strip Mall	1,329.60	1,261.20	612.90	1,874,902	1,874,902
Total	8,284.40	4,021.40	2,438.30	15,083,578	15,083,578

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.0.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,920.1109	4,920.1109	0.2225	0.0460	4,939.0518
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,920.1109	4,920.1109	0.2225	0.0460	4,939.0518
NaturalGas Mitigated	0.0565	0.5081	0.3927	3.0800e-003		0.0390	0.0390		0.0390	0.0390	0.0000	558.8672	558.8672	0.0107	0.0103	562.2684
NaturalGas Unmitigated	0.0565	0.5081	0.3927	3.0800e-003		0.0390	0.0390		0.0390	0.0390	0.0000	558.8672	558.8672	0.0107	0.0103	562.2684

5.2 Energy by Land Use - NaturalGas
Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.78808e+006	9.6400e-003	0.0824	0.0351	5.3000e-004		6.6600e-003	6.6600e-003		6.6600e-003	6.6600e-003	0.0000	95.4186	95.4186	1.8300e-003	1.7500e-003	95.9993
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	8.61e+006	0.0464	0.4221	0.3545	2.5300e-003		0.0321	0.0321		0.0321	0.0321	0.0000	459.4624	459.4624	8.8100e-003	8.4200e-003	462.2586
Strip Mall	74700	4.0000e-004	3.6600e-003	3.0800e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	3.9863	3.9863	8.0000e-005	7.0000e-005	4.0105
Total		0.0565	0.5081	0.3927	3.0800e-003		0.0390	0.0390		0.0390	0.0390	0.0000	558.8672	558.8672	0.0107	0.0102	562.2684

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	tons/yr										MT/yr						
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	8.61e+006	0.0464	0.4221	0.3545	2.5300e-003		0.0321	0.0321		0.0321	0.0321	0.0000	459.4624	459.4624	8.8100e-003	8.4200e-003	462.2586	
Strip Mall	74700	4.0000e-004	3.6600e-003	3.0800e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	3.9863	3.9863	8.0000e-005	7.0000e-005	4.0105	
Apartments Mid Rise	1.78808e+006	9.6400e-003	0.0824	0.0351	5.3000e-004		6.6600e-003	6.6600e-003		6.6600e-003	6.6600e-003	0.0000	95.4186	95.4186	1.8300e-003	1.7500e-003	95.9993	
Total		0.0565	0.5081	0.3927	3.0800e-003		0.0390	0.0390		0.0390	0.0390	0.0000	558.8672	558.8672	0.0107	0.0102	562.2684	

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	775843	225.7017	0.0102	2.1100e-003	226.5706
Enclosed Parking with Elevator	5.9312e+006	1,725.4541	0.0780	0.0161	1,732.0966
General Office Building	9.855e+006	2,866.9325	0.1296	0.0268	2,877.9693
Strip Mall	350700	102.0227	4.6100e-003	9.5000e-004	102.4154
Total		4,920.1109	0.2225	0.0460	4,939.0519

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	775843	225.7017	0.0102	2.1100e-003	226.5706
Enclosed Parking with Elevator	5.9312e+006	1,725.4541	0.0780	0.0161	1,732.0966
General Office Building	9.855e+006	2,866.9325	0.1296	0.0268	2,877.9693
Strip Mall	350700	102.0227	4.6100e-003	9.5000e-004	102.4154
Total		4,920.1109	0.2225	0.0460	4,939.0519

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.4780	0.0219	1.9011	3.0000e-004		0.0447	0.0447		0.0447	0.0447	3.6008	8.5343	12.1351	9.3700e-003	3.0000e-004	12.4249
Unmitigated	7.4780	0.0219	1.9011	3.0000e-004		0.0447	0.0447		0.0447	0.0447	3.6008	8.5343	12.1351	9.3700e-003	3.0000e-004	12.4249

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.8901					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.3660					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1706	2.9000e-003	0.2441	2.1000e-004		0.0355	0.0355		0.0355	0.0355	3.6008	5.8171	9.4180	6.6900e-003	3.0000e-004	9.6515
Landscaping	0.0513	0.0190	1.6570	9.0000e-005		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	2.7171	2.7171	2.6800e-003	0.0000	2.7734
Total	7.4780	0.0219	1.9011	3.0000e-004		0.0447	0.0447		0.0447	0.0447	3.6008	8.5343	12.1351	9.3700e-003	3.0000e-004	12.4249

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.8901					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.3660					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1706	2.9000e-003	0.2441	2.1000e-004		0.0355	0.0355		0.0355	0.0355	3.6008	5.8171	9.4180	6.6900e-003	3.0000e-004	9.6515
Landscaping	0.0513	0.0190	1.6570	9.0000e-005		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	2.7171	2.7171	2.6800e-003	0.0000	2.7734
Total	7.4780	0.0219	1.9011	3.0000e-004		0.0447	0.0447		0.0447	0.0447	3.6008	8.5343	12.1351	9.3700e-003	3.0000e-004	12.4249

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	265.4397	3.4451	0.0832	363.5637
Unmitigated	265.4397	3.4457	0.0833	363.6171

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	14.3339 / 9.03658	36.3117	0.4685	0.0113	49.6613
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	88.8669 / 54.4668	223.5382	2.9046	0.0702	306.2966
Strip Mall	2.22218 / 1.36198	5.5897	0.0726	1.7600e-003	7.6592
Total		265.4397	3.4457	0.0833	363.6171

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	14.3339 / 9.03658	36.3117	0.4684	0.0113	49.6541
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	88.8669 / 54.4668	223.5382	2.9040	0.0701	306.2516
Strip Mall	2.22218 / 1.36198	5.5897	0.0726	1.7500e-003	7.6580
Total		265.4397	3.4451	0.0832	363.5637

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	121.3277	7.1703	0.0000	271.9032
Unmitigated	121.3277	7.1703	0.0000	271.9032

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	101.2	20.5427	1.2140	0.0000	46.0375
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	465	94.3908	5.5783	0.0000	211.5359
Strip Mall	31.5	6.3942	0.3779	0.0000	14.3299
Total		121.3277	7.1703	0.0000	271.9032

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	101.2	20.5427	1.2140	0.0000	46.0375
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	465	94.3908	5.5783	0.0000	211.5359
Strip Mall	31.5	6.3942	0.3779	0.0000	14.3299
Total		121.3277	7.1703	0.0000	271.9032

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Santa Clara Station)
Santa Clara County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	500.00	1000sqft	7.36	500,000.00	0
Enclosed Parking with Elevator	2,200.00	Space	0.00	880,000.00	0
Apartments Mid Rise	220.00	Dwelling Unit	0.00	220,000.00	629
Strip Mall	30.00	1000sqft	0.00	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	50.00
tblLandUse	LotAcreage	11.48	7.36
tblLandUse	LotAcreage	19.80	0.00
tblLandUse	LotAcreage	5.79	0.00
tblLandUse	LotAcreage	0.69	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	8.0420	51.8288	77.5895	0.1666	18.2360	2.7555	20.9915	9.9757	2.5350	12.5107	0.0000	15,011.9988	15,011.9988	1.2343	0.0000	15,037.9193
2018	356.7926	45.8810	71.7520	0.1664	8.2778	1.8453	10.1230	2.2299	1.7278	3.9577	0.0000	14,640.4593	14,640.4593	0.9607	0.0000	14,660.6343
Total	364.8346	97.7098	149.3415	0.3330	26.5138	4.6008	31.1145	12.2056	4.2629	16.4685	0.0000	29,652.4581	29,652.4581	2.1950	0.0000	29,698.5536

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	8.0420	51.8288	77.5895	0.1666	8.2782	2.7555	10.4362	3.9180	2.5350	6.4530	0.0000	15,011.9988	15,011.9988	1.2343	0.0000	15,037.9193
2018	356.7926	45.8810	71.7520	0.1664	8.2778	1.8453	10.1230	2.2299	1.7278	3.9577	0.0000	14,640.4593	14,640.4593	0.9607	0.0000	14,660.6343
Total	364.8346	97.7098	149.3415	0.3330	16.5559	4.6008	20.5593	6.1479	4.2629	10.4108	0.0000	29,652.4581	29,652.4581	2.1950	0.0000	29,698.5536

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	37.56	0.00	33.92	49.63	0.00	36.78	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	117.8713	1.2679	114.1121	0.0398		13.7089	13.7089		13.7069	13.7069	1,414.2997	3,022.6907	4,436.9905	1.4297	0.1543	4,514.8512
Energy	0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360
Mobile	18.2015	28.4401	158.3526	0.5629	39.5348	0.6255	40.1603	10.5406	0.5776	11.1181		40,709.3059	40,709.3059	1.2049		40,734.6081
Total	136.3822	32.4923	274.6162	0.6195	39.5348	14.5482	54.0830	10.5406	14.4982	25.0388	1,414.2997	47,107.5893	48,521.8891	2.6993	0.2162	48,645.5953

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	117.8713	1.2679	114.1121	0.0398		13.7089	13.7089		13.7069	13.7069	1,414.2997	3,022.6907	4,436.9905	1.4297	0.1543	4,514.8512
Energy	0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360
Mobile	18.2015	28.4401	158.3526	0.5629	39.5348	0.6255	40.1603	10.5406	0.5776	11.1181		40,709.3059	40,709.3059	1.2049		40,734.6081
Total	136.3822	32.4923	274.6162	0.6195	39.5348	14.5482	54.0830	10.5406	14.4982	25.0388	1,414.2997	47,107.5893	48,521.8891	2.6993	0.2162	48,645.5953

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/10/2017	5	10	
3	Grading	Grading	2/11/2017	3/10/2017	5	20	
4	Building Construction	Building Construction	3/11/2017	1/26/2018	5	230	
5	Paving	Paving	1/27/2018	2/23/2018	5	20	
6	Architectural Coating	Architectural Coating	2/24/2018	5/4/2018	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 445,500; Residential Outdoor: 148,500; Non-Residential Indoor: 2,115,000; Non-Residential Outdoor: 705,000
(Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	698.00	255.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	140.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211
Total	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000				0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265			4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265			4,028.8432

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003			164.6504
Total	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003			164.6504

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000	
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265			4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	7.0458	2.7542	9.8001	3.8730	2.5339	6.4069	0.0000	4,003.0859	4,003.0859	1.2265			4,028.8432

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003		164.6504
Total	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003		164.6504

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757		3,043.6667	3,043.6667	0.9326		3,063.2507
Total	3.4555	35.9825	25.3812	0.0297	6.5523	2.0388	8.5912	3.3675	1.8757	5.2432		3,043.6667	3,043.6667	0.9326		3,063.2507

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000	
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757	0.0000	3,043.6667	3,043.6667	0.9326			3,063.2507
Total	3.4555	35.9825	25.3812	0.0297	2.5554	2.0388	4.5942	1.3133	1.8757	3.1890	0.0000	3,043.6667	3,043.6667	0.9326			3,063.2507

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.4192	22.0760	25.2051	0.0607	1.6958	0.3283	2.0241	0.4843	0.3019	0.7862		5,993.745 4	5,993.745 4	0.0458			5,994.707 9
Worker	2.5204	2.9200	34.2553	0.0791	6.5824	0.0485	6.6309	1.7458	0.0447	1.7905		6,378.448 1	6,378.448 1	0.3014			6,384.777 3
Total	4.9396	24.9960	59.4603	0.1398	8.2782	0.3768	8.6550	2.2301	0.3466	2.5767		12,372.19 35	12,372.19 35	0.3472			12,379.48 52

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.805 3	2,639.805 3	0.6497			2,653.449 0
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.805 3	2,639.805 3	0.6497			2,653.449 0

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.4192	22.0760	25.2051	0.0607	1.6958	0.3283	2.0241	0.4843	0.3019	0.7862		5,993.745 4	5,993.745 4	0.0458			5,994.707 9
Worker	2.5204	2.9200	34.2553	0.0791	6.5824	0.0485	6.6309	1.7458	0.0447	1.7905		6,378.448 1	6,378.448 1	0.3014			6,384.777 3
Total	4.9396	24.9960	59.4603	0.1398	8.2782	0.3768	8.6550	2.2301	0.3466	2.5767		12,372.19 35	12,372.19 35	0.3472			12,379.48 52

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.939 0	2,609.939 0	0.6387			2,623.351 7
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.939 0	2,609.939 0	0.6387			2,623.351 7

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.2024	19.9911	23.3540	0.0605	1.6954	0.3041	1.9995	0.4841	0.2796	0.7637		5,889.0476	5,889.0476	0.0450			5,889.9924
Worker	2.2757	2.6291	30.8654	0.0791	6.5824	0.0470	6.6293	1.7458	0.0434	1.7892		6,141.4728	6,141.4728	0.2770			6,147.2901
Total	4.4781	22.6202	54.2194	0.1396	8.2778	0.3510	8.6288	2.2299	0.3230	2.5530		12,030.5204	12,030.5204	0.3220			12,037.2826

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.2024	19.9911	23.3540	0.0605	1.6954	0.3041	1.9995	0.4841	0.2796	0.7637		5,889.0476	5,889.0476	0.0450			5,889.9924
Worker	2.2757	2.6291	30.8654	0.0791	6.5824	0.0470	6.6293	1.7458	0.0434	1.7892		6,141.4728	6,141.4728	0.2770			6,147.2901
Total	4.4781	22.6202	54.2194	0.1396	8.2778	0.3510	8.6288	2.2299	0.3230	2.5530		12,030.5204	12,030.5204	0.3220			12,037.2826

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990			2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990			2,259.9481

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0489	0.0565	0.6633	1.7000e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		131.9801	131.9801	5.9500e-003			132.1051
Total	0.0489	0.0565	0.6633	1.7000e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		131.9801	131.9801	5.9500e-003			132.1051

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635	0.0000	2,245.2695	2,245.2695	0.6990			2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635	0.0000	2,245.2695	2,245.2695	0.6990			2,259.9481

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0489	0.0565	0.6633	1.7000e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		131.9801	131.9801	5.9500e-003			132.1051
Total	0.0489	0.0565	0.6633	1.7000e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		131.9801	131.9801	5.9500e-003			132.1051

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	356.0375					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102
Total	356.3362	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.4565	0.5273	6.1908	0.0159	1.3202	9.4200e-003	1.3297	0.3502	8.7100e-003	0.3589		1,231.8140	1,231.8140	0.0556			1,232.9808
Total	0.4565	0.5273	6.1908	0.0159	1.3202	9.4200e-003	1.3297	0.3502	8.7100e-003	0.3589		1,231.8140	1,231.8140	0.0556			1,232.9808

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	356.0375					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102
Total	356.3362	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.4565	0.5273	6.1908	0.0159	1.3202	9.4200e-003	1.3297	0.3502	8.7100e-003	0.3589		1,231.8140	1,231.8140	0.0556			1,232.9808
Total	0.4565	0.5273	6.1908	0.0159	1.3202	9.4200e-003	1.3297	0.3502	8.7100e-003	0.3589		1,231.8140	1,231.8140	0.0556			1,232.9808

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	18.2015	28.4401	158.3526	0.5629	39.5348	0.6255	40.1603	10.5406	0.5776	11.1181		40,709.3059	40,709.3059	1.2049			40,734.6081
Unmitigated	18.2015	28.4401	158.3526	0.5629	39.5348	0.6255	40.1603	10.5406	0.5776	11.1181		40,709.3059	40,709.3059	1.2049			40,734.6081

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,449.80	1,575.20	1335.40	3,239,992	3,239,992
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	5,505.00	1,185.00	490.00	9,968,683	9,968,683
Strip Mall	1,329.60	1,261.20	612.90	1,874,902	1,874,902
Total	8,284.40	4,021.40	2,438.30	15,083,578	15,083,578

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360
NaturalGas Unmitigated	0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	4898.84	0.0528	0.4515	0.1921	2.8800e-003		0.0365	0.0365		0.0365	0.0365		576.3341	576.3341	0.0111	0.0106	579.8415
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	23589	0.2544	2.3127	1.9426	0.0139		0.1758	0.1758		0.1758	0.1758		2,775.1813	2,775.1813	0.0532	0.0509	2,792.0706
Strip Mall	204.658	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003		24.0774	24.0774	4.6000e-004	4.4000e-004	24.2239
Total		0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	23.589	0.2544	2.3127	1.9426	0.0139		0.1758	0.1758		0.1758	0.1758		2,775.1813	2,775.1813	0.0532	0.0509	2,792.0706
Strip Mall	0.204658	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003		24.0774	24.0774	4.6000e-004	4.4000e-004	24.2239
Apartments Mid Rise	4.89884	0.0528	0.4515	0.1921	2.8800e-003		0.0365	0.0365		0.0365	0.0365		576.3341	576.3341	0.0111	0.0106	579.8415
Total		0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	117.8713	1.2679	114.1121	0.0398		13.7089	13.7089		13.7069	13.7069	1,414.2997	3,022.6907	4,436.9905	1.4297	0.1543	4,514.8512
Unmitigated	117.8713	1.2679	114.1121	0.0398		13.7089	13.7089		13.7069	13.7069	1,414.2997	3,022.6907	4,436.9905	1.4297	0.1543	4,514.8512

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.8772					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	34.8820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	77.5420	1.0566	95.7010	0.0388		13.6073	13.6073		13.6053	13.6053	1,414.2997	2,989.4118	4,403.7115	1.3968	0.1543	4,480.8824
Landscaping	0.5700	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016		33.2790	33.2790	0.0329		33.9688
Total	117.8713	1.2679	114.1121	0.0398		13.7089	13.7089		13.7069	13.7069	1,414.2997	3,022.6907	4,436.9905	1.4297	0.1543	4,514.8512

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.8772					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	34.8820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	77.5420	1.0566	95.7010	0.0388		13.6073	13.6073		13.6053	13.6053	1,414.2997	2,989.4118	4,403.7115	1.3968	0.1543	4,480.8824
Landscaping	0.5700	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016		33.2790	33.2790	0.0329		33.9688
Total	117.8713	1.2679	114.1121	0.0398		13.7089	13.7089		13.7069	13.7069	1,414.2997	3,022.6907	4,436.9905	1.4297	0.1543	4,514.8512

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Santa Clara Station)
Santa Clara County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	500.00	1000sqft	7.36	500,000.00	0
Enclosed Parking with Elevator	2,200.00	Space	0.00	880,000.00	0
Apartments Mid Rise	220.00	Dwelling Unit	0.00	220,000.00	629
Strip Mall	30.00	1000sqft	0.00	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	50.00
tblLandUse	LotAcreage	11.48	7.36
tblLandUse	LotAcreage	19.80	0.00
tblLandUse	LotAcreage	5.79	0.00
tblLandUse	LotAcreage	0.69	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	8.5369	53.0437	89.1158	0.1599	18.2360	2.7555	20.9915	9.9757	2.5350	12.5107	0.0000	14,451.2863	14,451.2863	1.2343	0.0000	14,477.2069
2018	356.7853	47.3548	83.1301	0.1597	8.2778	1.8483	10.1261	2.2299	1.7306	3.9605	0.0000	14,098.9870	14,098.9870	0.9620	0.0000	14,119.1879
Total	365.3222	100.3985	172.2459	0.3196	26.5138	4.6038	31.1176	12.2056	4.2656	16.4713	0.0000	28,550.2733	28,550.2733	2.1963	0.0000	28,596.3948

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	8.5369	53.0437	89.1158	0.1599	8.2782	2.7555	10.4395	3.9180	2.5350	6.4530	0.0000	14,451.2863	14,451.2863	1.2343	0.0000	14,477.2069
2018	356.7853	47.3548	83.1301	0.1597	8.2778	1.8483	10.1261	2.2299	1.7306	3.9605	0.0000	14,098.9870	14,098.9870	0.9620	0.0000	14,119.1879
Total	365.3222	100.3985	172.2459	0.3196	16.5559	4.6038	20.5656	6.1479	4.2656	10.4136	0.0000	28,550.2733	28,550.2733	2.1963	0.0000	28,596.3948

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	37.56	0.00	33.91	49.63	0.00	36.78	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	117.8713	1.2679	114.1121	0.0398		13.7089	13.7089		13.7069	13.7069	1,414.2997	3,022.6907	4,436.9905	1.4297	0.1543	4,514.8512
Energy	0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360
Mobile	18.7000	31.6079	178.8610	0.5261	39.5348	0.6280	40.1627	10.5406	0.5798	11.1204		38,190.1237	38,190.1237	1.2071		38,215.4726
Total	136.8807	35.6600	295.1247	0.5828	39.5348	14.5506	54.0854	10.5406	14.5005	25.0410	1,414.2997	44,588.4072	46,002.7069	2.7015	0.2162	46,126.4598

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	117.8713	1.2679	114.1121	0.0398		13.7089	13.7089		13.7069	13.7069	1,414.2997	3,022.6907	4,436.9905	1.4297	0.1543	4,514.8512
Energy	0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360
Mobile	18.7000	31.6079	178.8610	0.5261	39.5348	0.6280	40.1627	10.5406	0.5798	11.1204		38,190.1237	38,190.1237	1.2071		38,215.4726
Total	136.8807	35.6600	295.1247	0.5828	39.5348	14.5506	54.0854	10.5406	14.5005	25.0410	1,414.2997	44,588.4072	46,002.7069	2.7015	0.2162	46,126.4598

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/10/2017	5	10	
3	Grading	Grading	2/11/2017	3/10/2017	5	20	
4	Building Construction	Building Construction	3/11/2017	1/26/2018	5	230	
5	Paving	Paving	1/27/2018	2/23/2018	5	20	
6	Architectural Coating	Architectural Coating	2/24/2018	5/4/2018	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 445,500; Residential Outdoor: 148,500; Non-Residential Indoor: 2,115,000; Non-Residential Outdoor: 705,000
(Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	698.00	255.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	140.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003		126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003		126.1474

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000	
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265			4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265			4,028.8432

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769
Total	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	7.0458	2.7542	9.8001	3.8730	2.5339	6.4069	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003			151.3769
Total	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003			151.3769

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000				0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757		3,043.6667	3,043.6667	0.9326			3,063.2507
Total	3.4555	35.9825	25.3812	0.0297	6.5523	2.0388	8.5912	3.3675	1.8757	5.2432		3,043.6667	3,043.6667	0.9326			3,063.2507

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003		126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003		126.1474

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507
Total	3.4555	35.9825	25.3812	0.0297	2.5554	2.0388	4.5942	1.3133	1.8757	3.1890	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003		126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003		126.1474

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.9364	23.0671	38.3436	0.0604	1.6958	0.3317	2.0275	0.4843	0.3050	0.7892		5,947.7523	5,947.7523	0.0470			5,948.7401
Worker	2.4982	3.5710	32.6431	0.0727	6.5824	0.0485	6.6309	1.7458	0.0447	1.7905		5,863.7288	5,863.7288	0.3014			5,870.0580
Total	5.4346	26.6380	70.9867	0.1331	8.2782	0.3802	8.6583	2.2301	0.3497	2.5797		11,811.4810	11,811.4810	0.3484			11,818.7980

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.9364	23.0671	38.3436	0.0604	1.6958	0.3317	2.0275	0.4843	0.3050	0.7892		5,947.7523	5,947.7523	0.0470			5,948.7401
Worker	2.4982	3.5710	32.6431	0.0727	6.5824	0.0485	6.6309	1.7458	0.0447	1.7905		5,863.7288	5,863.7288	0.3014			5,870.0580
Total	5.4346	26.6380	70.9867	0.1331	8.2782	0.3802	8.6583	2.2301	0.3497	2.5797		11,811.4810	11,811.4810	0.3484			11,818.7980

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.6385	20.8782	36.4134	0.0603	1.6954	0.3071	2.0025	0.4841	0.2824	0.7665		5,843.733 2	5,843.733 2	0.0462			5,844.704 1
Worker	2.2392	3.2157	29.1840	0.0727	6.5824	0.0470	6.6293	1.7458	0.0434	1.7892		5,645.314 8	5,645.314 8	0.2770			5,651.132 1
Total	4.8777	24.0939	65.5974	0.1329	8.2778	0.3540	8.6318	2.2299	0.3258	2.5558		11,489.04 80	11,489.04 80	0.3233			11,495.83 62

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.938 9	2,609.938 9	0.6387			2,623.351 7
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.938 9	2,609.938 9	0.6387			2,623.351 7

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.6385	20.8782	36.4134	0.0603	1.6954	0.3071	2.0025	0.4841	0.2824	0.7665		5,843.733 2	5,843.733 2	0.0462			5,844.704 1
Worker	2.2392	3.2157	29.1840	0.0727	6.5824	0.0470	6.6293	1.7458	0.0434	1.7892		5,645.314 8	5,645.314 8	0.2770			5,651.132 1
Total	4.8777	24.0939	65.5974	0.1329	8.2778	0.3540	8.6318	2.2299	0.3258	2.5558		11,489.04 80	11,489.04 80	0.3233			11,495.83 62

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.269 5	2,245.269 5	0.6990			2,259.948 1
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.269 5	2,245.269 5	0.6990			2,259.948 1

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0481	0.0691	0.6272	1.5600e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		121.3177	121.3177	5.9500e-003			121.4427
Total	0.0481	0.0691	0.6272	1.5600e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		121.3177	121.3177	5.9500e-003			121.4427

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635	0.0000	2,245.2695	2,245.2695	0.6990			2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635	0.0000	2,245.2695	2,245.2695	0.6990			2,259.9481

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0481	0.0691	0.6272	1.5600e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		121.3177	121.3177	5.9500e-003			121.4427
Total	0.0481	0.0691	0.6272	1.5600e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		121.3177	121.3177	5.9500e-003			121.4427

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	356.0375					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102
Total	356.3362	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.4491	0.6450	5.8535	0.0146	1.3202	9.4200e-003	1.3297	0.3502	8.7100e-003	0.3589		1,132.2981	1,132.2981	0.0556			1,133.4649
Total	0.4491	0.6450	5.8535	0.0146	1.3202	9.4200e-003	1.3297	0.3502	8.7100e-003	0.3589		1,132.2981	1,132.2981	0.0556			1,133.4649

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	356.0375					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102
Total	356.3362	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.4491	0.6450	5.8535	0.0146	1.3202	9.4200e-003	1.3297	0.3502	8.7100e-003	0.3589		1,132.2981	1,132.2981	0.0556			1,133.4649
Total	0.4491	0.6450	5.8535	0.0146	1.3202	9.4200e-003	1.3297	0.3502	8.7100e-003	0.3589		1,132.2981	1,132.2981	0.0556			1,133.4649

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	18.7000	31.6079	178.8610	0.5261	39.5348	0.6280	40.1627	10.5406	0.5798	11.1204		38,190.1237	38,190.1237	1.2071			38,215.4726
Unmitigated	18.7000	31.6079	178.8610	0.5261	39.5348	0.6280	40.1627	10.5406	0.5798	11.1204		38,190.1237	38,190.1237	1.2071			38,215.4726

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,449.80	1,575.20	1335.40	3,239,992	3,239,992
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	5,505.00	1,185.00	490.00	9,968,683	9,968,683
Strip Mall	1,329.60	1,261.20	612.90	1,874,902	1,874,902
Total	8,284.40	4,021.40	2,438.30	15,083,578	15,083,578

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.0.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360
NaturalGas Unmitigated	0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	4898.84	0.0528	0.4515	0.1921	2.8800e-003		0.0365	0.0365		0.0365	0.0365		576.3341	576.3341	0.0111	0.0106	579.8415
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	23589	0.2544	2.3127	1.9426	0.0139		0.1758	0.1758		0.1758	0.1758		2,775.1813	2,775.1813	0.0532	0.0509	2,792.0706
Strip Mall	204.658	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003		24.0774	24.0774	4.6000e-004	4.4000e-004	24.2239
Total		0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	23.589	0.2544	2.3127	1.9426	0.0139		0.1758	0.1758		0.1758	0.1758		2,775.1813	2,775.1813	0.0532	0.0509	2,792.0706
Strip Mall	0.204658	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003		24.0774	24.0774	4.6000e-004	4.4000e-004	24.2239
Apartments Mid Rise	4.89884	0.0528	0.4515	0.1921	2.8800e-003		0.0365	0.0365		0.0365	0.0365		576.3341	576.3341	0.0111	0.0106	579.8415
Total		0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	117.8713	1.2679	114.1121	0.0398		13.7089	13.7089		13.7069	13.7069	1,414.2997	3,022.6907	4,436.9905	1.4297	0.1543	4,514.8512
Unmitigated	117.8713	1.2679	114.1121	0.0398		13.7089	13.7089		13.7069	13.7069	1,414.2997	3,022.6907	4,436.9905	1.4297	0.1543	4,514.8512

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.8772					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	34.8820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	77.5420	1.0566	95.7010	0.0388		13.6073	13.6073		13.6053	13.6053	1,414.2997	2,989.4118	4,403.7115	1.3968	0.1543	4,480.8824
Landscaping	0.5700	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016		33.2790	33.2790	0.0329		33.9688
Total	117.8713	1.2679	114.1121	0.0398		13.7089	13.7089		13.7069	13.7069	1,414.2997	3,022.6907	4,436.9905	1.4297	0.1543	4,514.8512

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.8772					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	34.8820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	77.5420	1.0566	95.7010	0.0388		13.6073	13.6073		13.6053	13.6053	1,414.2997	2,989.4118	4,403.7115	1.3968	0.1543	4,480.8824
Landscaping	0.5700	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016		33.2790	33.2790	0.0329		33.9688
Total	117.8713	1.2679	114.1121	0.0398		13.7089	13.7089		13.7069	13.7069	1,414.2997	3,022.6907	4,436.9905	1.4297	0.1543	4,514.8512

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley - Stockton Avenue Ventilation Structure Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	15.00	1000sqft	0.34	15,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.1621	0.8039	0.5213	7.4000e-004	4.9400e-003	0.0546	0.0595	1.5000e-003	0.0504	0.0519	0.0000	68.5431	68.5431	0.0185	0.0000	68.9312
Total	0.1621	0.8039	0.5213	7.4000e-004	4.9400e-003	0.0546	0.0595	1.5000e-003	0.0504	0.0519	0.0000	68.5431	68.5431	0.0185	0.0000	68.9312

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.1621	0.8039	0.5213	7.4000e-004	4.3800e-003	0.0546	0.0589	1.2600e-003	0.0504	0.0517	0.0000	68.5431	68.5431	0.0185	0.0000	68.9311
Total	0.1621	0.8039	0.5213	7.4000e-004	4.3800e-003	0.0546	0.0589	1.2600e-003	0.0504	0.0517	0.0000	68.5431	68.5431	0.0185	0.0000	68.9311

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	11.34	0.00	0.94	16.00	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0664	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.8000e-004
Energy	2.0000e-004	1.8300e-003	1.5400e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	53.0045	53.0045	2.3400e-003	5.1000e-004	53.2130
Mobile	0.2120	0.3047	1.7416	4.9200e-003	0.3480	6.0300e-003	0.3541	0.0931	5.5700e-003	0.0986	0.0000	324.0517	324.0517	0.0105	0.0000	324.2710
Waste						0.0000	0.0000		0.0000	0.0000	3.1971	0.0000	3.1971	0.1889	0.0000	7.1649
Water						0.0000	0.0000		0.0000	0.0000	0.3525	2.4424	2.7949	0.0363	8.8000e-004	3.8296
Total	0.2786	0.3066	1.7432	4.9300e-003	0.3480	6.1700e-003	0.3542	0.0931	5.7100e-003	0.0988	3.5496	379.4988	383.0484	0.2381	1.3900e-003	388.4788

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0664	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.8000e-004
Energy	2.0000e-004	1.8300e-003	1.5400e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	53.0045	53.0045	2.3400e-003	5.1000e-004	53.2130
Mobile	0.2120	0.3047	1.7416	4.9200e-003	0.3480	6.0300e-003	0.3541	0.0931	5.5700e-003	0.0986	0.0000	324.0517	324.0517	0.0105	0.0000	324.2710
Waste						0.0000	0.0000		0.0000	0.0000	3.1971	0.0000	3.1971	0.1889	0.0000	7.1649
Water						0.0000	0.0000		0.0000	0.0000	0.3525	2.4424	2.7949	0.0363	8.8000e-004	3.8290
Total	0.2786	0.3066	1.7432	4.9300e-003	0.3480	6.1700e-003	0.3542	0.0931	5.7100e-003	0.0988	3.5496	379.4988	383.0484	0.2380	1.3900e-003	388.4782

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	6/21/2016	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	5.00	2.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.5600e-003	0.0562	0.0435	6.0000e-005		4.0200e-003	4.0200e-003		3.8400e-003	3.8400e-003	0.0000	5.4141	5.4141	1.0800e-003	0.0000	5.4369
Total	6.5600e-003	0.0562	0.0435	6.0000e-005		4.0200e-003	4.0200e-003		3.8400e-003	3.8400e-003	0.0000	5.4141	5.4141	1.0800e-003	0.0000	5.4369

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	2.6000e-004	2.5400e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4011	0.4011	2.0000e-005	0.0000	0.4016
Total	1.9000e-004	2.6000e-004	2.5400e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4011	0.4011	2.0000e-005	0.0000	0.4016

3.2 Demolition - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.5600e-003	0.0562	0.0435	6.0000e-005		4.0200e-003	4.0200e-003		3.8400e-003	3.8400e-003	0.0000	5.4141	5.4141	1.0800e-003	0.0000	5.4369
Total	6.5600e-003	0.0562	0.0435	6.0000e-005		4.0200e-003	4.0200e-003		3.8400e-003	3.8400e-003	0.0000	5.4141	5.4141	1.0800e-003	0.0000	5.4369

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	2.6000e-004	2.5400e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4011	0.4011	2.0000e-005	0.0000	0.4016
Total	1.9000e-004	2.6000e-004	2.5400e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4011	0.4011	2.0000e-005	0.0000	0.4016

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	6.8200e-003	3.6700e-003	0.0000		4.2000e-004	4.2000e-004		3.8000e-004	3.8000e-004	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442
Total	6.8000e-004	6.8200e-003	3.6700e-003	0.0000	2.7000e-004	4.2000e-004	6.9000e-004	3.0000e-005	3.8000e-004	4.1000e-004	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201
Total	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201

3.3 Site Preparation - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2000e-004	0.0000	1.2000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	6.8200e-003	3.6700e-003	0.0000		4.2000e-004	4.2000e-004		3.8000e-004	3.8000e-004	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442
Total	6.8000e-004	6.8200e-003	3.6700e-003	0.0000	1.2000e-004	4.2000e-004	5.4000e-004	1.0000e-005	3.8000e-004	3.9000e-004	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201
Total	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	0.0112	8.7000e-003	1.0000e-005		8.0000e-004	8.0000e-004		7.7000e-004	7.7000e-004	0.0000	1.0828	1.0828	2.2000e-004	0.0000	1.0874
Total	1.3100e-003	0.0112	8.7000e-003	1.0000e-005	7.5000e-004	8.0000e-004	1.5500e-003	4.1000e-004	7.7000e-004	1.1800e-003	0.0000	1.0828	1.0828	2.2000e-004	0.0000	1.0874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	5.0000e-005	5.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0802	0.0802	0.0000	0.0000	0.0803
Total	4.0000e-005	5.0000e-005	5.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0802	0.0802	0.0000	0.0000	0.0803

3.4 Grading - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.4000e-004	0.0000	3.4000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	0.0112	8.7000e-003	1.0000e-005		8.0000e-004	8.0000e-004		7.7000e-004	7.7000e-004	0.0000	1.0828	1.0828	2.2000e-004	0.0000	1.0874
Total	1.3100e-003	0.0112	8.7000e-003	1.0000e-005	3.4000e-004	8.0000e-004	1.1400e-003	1.9000e-004	7.7000e-004	9.6000e-004	0.0000	1.0828	1.0828	2.2000e-004	0.0000	1.0874

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	5.0000e-005	5.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0802	0.0802	0.0000	0.0000	0.0803
Total	4.0000e-005	5.0000e-005	5.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0802	0.0802	0.0000	0.0000	0.0803

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0691	0.6853	0.4106	5.7000e-004		0.0470	0.0470		0.0432	0.0432	0.0000	53.4584	53.4584	0.0161	0.0000	53.7970
Total	0.0691	0.6853	0.4106	5.7000e-004		0.0470	0.0470		0.0432	0.0432	0.0000	53.4584	53.4584	0.0161	0.0000	53.7970

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1900e-003	9.9900e-003	0.0135	2.0000e-005	6.5000e-004	1.5000e-004	8.0000e-004	1.9000e-004	1.4000e-004	3.2000e-004	0.0000	2.1626	2.1626	2.0000e-005	0.0000	2.1629
Worker	9.3000e-004	1.3100e-003	0.0127	3.0000e-005	2.2800e-003	2.0000e-005	2.2900e-003	6.1000e-004	2.0000e-005	6.2000e-004	0.0000	2.0056	2.0056	1.1000e-004	0.0000	2.0078
Total	2.1200e-003	0.0113	0.0262	5.0000e-005	2.9300e-003	1.7000e-004	3.0900e-003	8.0000e-004	1.6000e-004	9.4000e-004	0.0000	4.1682	4.1682	1.3000e-004	0.0000	4.1708

3.5 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0691	0.6853	0.4106	5.7000e-004		0.0470	0.0470		0.0432	0.0432	0.0000	53.4583	53.4583	0.0161	0.0000	53.7969
Total	0.0691	0.6853	0.4106	5.7000e-004		0.0470	0.0470		0.0432	0.0432	0.0000	53.4583	53.4583	0.0161	0.0000	53.7969

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1900e-003	9.9900e-003	0.0135	2.0000e-005	6.5000e-004	1.5000e-004	8.0000e-004	1.9000e-004	1.4000e-004	3.2000e-004	0.0000	2.1626	2.1626	2.0000e-005	0.0000	2.1629
Worker	9.3000e-004	1.3100e-003	0.0127	3.0000e-005	2.2800e-003	2.0000e-005	2.2900e-003	6.1000e-004	2.0000e-005	6.2000e-004	0.0000	2.0056	2.0056	1.1000e-004	0.0000	2.0078
Total	2.1200e-003	0.0113	0.0262	5.0000e-005	2.9300e-003	1.7000e-004	3.0900e-003	8.0000e-004	1.6000e-004	9.4000e-004	0.0000	4.1682	4.1682	1.3000e-004	0.0000	4.1708

3.6 Paving - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8000e-003	0.0266	0.0182	3.0000e-005		1.6500e-003	1.6500e-003		1.5300e-003	1.5300e-003	0.0000	2.4575	2.4575	6.7000e-004	0.0000	2.4717
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.8000e-003	0.0266	0.0182	3.0000e-005		1.6500e-003	1.6500e-003		1.5300e-003	1.5300e-003	0.0000	2.4575	2.4575	6.7000e-004	0.0000	2.4717

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614
Total	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614

3.6 Paving - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8000e-003	0.0266	0.0182	3.0000e-005		1.6500e-003	1.6500e-003		1.5300e-003	1.5300e-003	0.0000	2.4575	2.4575	6.7000e-004	0.0000	2.4717
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.8000e-003	0.0266	0.0182	3.0000e-005		1.6500e-003	1.6500e-003		1.5300e-003	1.5300e-003	0.0000	2.4575	2.4575	6.7000e-004	0.0000	2.4717

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614
Total	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0782					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2000e-004	5.9300e-003	4.7100e-003	1.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	0.6383	0.6383	8.0000e-005	0.0000	0.6399
Total	0.0791	5.9300e-003	4.7100e-003	1.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	0.6383	0.6383	8.0000e-005	0.0000	0.6399

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201
Total	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201

3.7 Architectural Coating - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0782					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2000e-004	5.9300e-003	4.7100e-003	1.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	0.6383	0.6383	8.0000e-005	0.0000	0.6399
Total	0.0791	5.9300e-003	4.7100e-003	1.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	0.6383	0.6383	8.0000e-005	0.0000	0.6399

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201
Total	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2120	0.3047	1.7416	4.9200e-003	0.3480	6.0300e-003	0.3541	0.0931	5.5700e-003	0.0986	0.0000	324.0517	324.0517	0.0105	0.0000	324.2710
Unmitigated	0.2120	0.3047	1.7416	4.9200e-003	0.3480	6.0300e-003	0.3541	0.0931	5.5700e-003	0.0986	0.0000	324.0517	324.0517	0.0105	0.0000	324.2710

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	664.80	630.60	306.45	937,451	937,451
Total	664.80	630.60	306.45	937,451	937,451

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	51.0113	51.0113	2.3100e-003	4.8000e-004	51.2077
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	51.0113	51.0113	2.3100e-003	4.8000e-004	51.2077
NaturalGas Mitigated	2.0000e-004	1.8300e-003	1.5400e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9931	1.9931	4.0000e-005	4.0000e-005	2.0053
NaturalGas Unmitigated	2.0000e-004	1.8300e-003	1.5400e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9931	1.9931	4.0000e-005	4.0000e-005	2.0053

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Strip Mall	37350	2.0000e-004	1.8300e-003	1.5400e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9931	1.9931	4.0000e-005	4.0000e-005	2.0053
Total		2.0000e-004	1.8300e-003	1.5400e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9931	1.9931	4.0000e-005	4.0000e-005	2.0053

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Strip Mall	37350	2.0000e-004	1.8300e-003	1.5400e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9931	1.9931	4.0000e-005	4.0000e-005	2.0053
Total		2.0000e-004	1.8300e-003	1.5400e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9931	1.9931	4.0000e-005	4.0000e-005	2.0053

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Strip Mall	175350	51.0113	2.3100e-003	4.8000e-004	51.2077
Total		51.0113	2.3100e-003	4.8000e-004	51.2077

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Strip Mall	175350	51.0113	2.3100e-003	4.8000e-004	51.2077
Total		51.0113	2.3100e-003	4.8000e-004	51.2077

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0664	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.8000e-004
Unmitigated	0.0664	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.8000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	7.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0586					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.8000e-004
Total	0.0664	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.8000e-004

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	7.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0586					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.8000e-004
Total	0.0664	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.8000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.7949	0.0363	8.8000e-004	3.8290
Unmitigated	2.7949	0.0363	8.8000e-004	3.8296

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Strip Mall	1.11109 / 0.680989	2.7949	0.0363	8.8000e-004	3.8296
Total		2.7949	0.0363	8.8000e-004	3.8296

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Strip Mall	1.11109 / 0.680989	2.7949	0.0363	8.8000e-004	3.8290
Total		2.7949	0.0363	8.8000e-004	3.8290

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.1971	0.1889	0.0000	7.1649
Unmitigated	3.1971	0.1889	0.0000	7.1649

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Strip Mall	15.75	3.1971	0.1889	0.0000	7.1649
Total		3.1971	0.1889	0.0000	7.1649

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Strip Mall	15.75	3.1971	0.1889	0.0000	7.1649
Total		3.1971	0.1889	0.0000	7.1649

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley - Stockton Avenue Ventilation Structure Santa Clara County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	15.00	1000sqft	0.34	15,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	31.6587	13.9225	9.2516	0.0132	0.8471	0.9431	1.6517	0.4388	0.8677	1.2068	0.0000	1,288.615 1	1,288.615 1	0.3582	0.0000	1,296.138 0
Total	31.6587	13.9225	9.2516	0.0132	0.8471	0.9431	1.6517	0.4388	0.8677	1.2068	0.0000	1,288.615 1	1,288.615 1	0.3582	0.0000	1,296.138 0

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	31.6587	13.9225	9.2516	0.0132	0.4331	0.9431	1.2377	0.2112	0.8677	0.9792	0.0000	1,288.615 1	1,288.615 1	0.3582	0.0000	1,296.138 0
Total	31.6587	13.9225	9.2516	0.0132	0.4331	0.9431	1.2377	0.2112	0.8677	0.9792	0.0000	1,288.615 1	1,288.615 1	0.3582	0.0000	1,296.138 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	48.88	0.00	25.07	51.87	0.00	18.86	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Energy	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Mobile	1.3279	1.7215	9.7331	0.0313	2.1622	0.0362	2.1984	0.5765	0.0334	0.6099		2,263.531 1	2,263.531 1	0.0691		2,264.982 4
Total	1.6930	1.7316	9.7430	0.0314	2.1622	0.0369	2.1992	0.5765	0.0342	0.6107		2,275.573 1	2,275.573 1	0.0694	2.2000e-004	2,277.097 8

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Energy	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Mobile	1.3279	1.7215	9.7331	0.0313	2.1622	0.0362	2.1984	0.5765	0.0334	0.6099		2,263.531 1	2,263.531 1	0.0691		2,264.982 4
Total	1.6930	1.7316	9.7430	0.0314	2.1622	0.0369	2.1992	0.5765	0.0342	0.6107		2,275.573 1	2,275.573 1	0.0694	2.2000e-004	2,277.097 8

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	6/21/2016	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	5.00	2.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037
Total	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037

3.2 Demolition - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037
Total	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671		973.0842	973.0842	0.2935		979.2481
Total	1.3593	13.6350	7.3401	9.3500e-003	0.5303	0.8338	1.3640	0.0573	0.7671	0.8243		973.0842	973.0842	0.2935		979.2481

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003		47.5519
Total	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003		47.5519

3.3 Site Preparation - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671	0.0000	973.0842	973.0842	0.2935		979.2481
Total	1.3593	13.6350	7.3401	9.3500e-003	0.2386	0.8338	1.0724	0.0258	0.7671	0.7928	0.0000	973.0842	973.0842	0.2935		979.2481

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003		47.5519
Total	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003		47.5519

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120	0.7528	0.8039	1.5566	0.4138	0.7674	1.1811		1,193.6106	1,193.6106	0.2386		1,198.6217

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037
Total	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037

3.4 Grading - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3387	0.0000	0.3387	0.1862	0.0000	0.1862			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120	0.3387	0.8039	1.1426	0.1862	0.7674	0.9536	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037
Total	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555		1,186.0202
Total	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555		1,186.0202

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0215	0.1933	0.2194	4.8000e-004	0.0133	2.9800e-003	0.0163	3.8000e-003	2.7400e-003	6.5400e-003		47.8298	47.8298	3.8000e-004		47.8378
Worker	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003		47.5519
Total	0.0416	0.2167	0.4928	1.0500e-003	0.0605	3.3400e-003	0.0638	0.0163	3.0700e-003	0.0194		95.3321	95.3321	2.7400e-003		95.3896

3.5 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646	0.0000	1,178.5549	1,178.5549	0.3555		1,186.0202
Total	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646	0.0000	1,178.5549	1,178.5549	0.3555		1,186.0202

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0215	0.1933	0.2194	4.8000e-004	0.0133	2.9800e-003	0.0163	3.8000e-003	2.7400e-003	6.5400e-003		47.8298	47.8298	3.8000e-004		47.8378
Worker	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003		47.5519
Total	0.0416	0.2167	0.4928	1.0500e-003	0.0605	3.3400e-003	0.0638	0.0163	3.0700e-003	0.0194		95.3321	95.3321	2.7400e-003		95.3896

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.5832	1,083.5832	0.2969		1,089.8175
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.5832	1,083.5832	0.2969		1,089.8175

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003		171.1867
Total	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003		171.1867

3.6 Paving - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113	0.0000	1,083.583 2	1,083.583 2	0.2969		1,089.817 5
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113	0.0000	1,083.583 2	1,083.583 2	0.2969		1,089.817 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003		171.1867
Total	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003		171.1867

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	31.2863					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332			282.1449
Total	31.6547	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332			282.1449

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	4.0100e-003	4.6700e-003	0.0547	1.1000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	7.0000e-005	2.5700e-003		9.5005	9.5005	4.7000e-004			9.5104
Total	4.0100e-003	4.6700e-003	0.0547	1.1000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	7.0000e-005	2.5700e-003		9.5005	9.5005	4.7000e-004			9.5104

3.7 Architectural Coating - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.2863					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
Total	31.6547	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.0100e-003	4.6700e-003	0.0547	1.1000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	7.0000e-005	2.5700e-003		9.5005	9.5005	4.7000e-004		9.5104
Total	4.0100e-003	4.6700e-003	0.0547	1.1000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	7.0000e-005	2.5700e-003		9.5005	9.5005	4.7000e-004		9.5104

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3279	1.7215	9.7331	0.0313	2.1622	0.0362	2.1984	0.5765	0.0334	0.6099		2,263.531 1	2,263.531 1	0.0691		2,264.982 4
Unmitigated	1.3279	1.7215	9.7331	0.0313	2.1622	0.0362	2.1984	0.5765	0.0334	0.6099		2,263.531 1	2,263.531 1	0.0691		2,264.982 4

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	664.80	630.60	306.45	937,451	937,451
Total	664.80	630.60	306.45	937,451	937,451

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
NaturalGas Unmitigated	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Strip Mall	102.329	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Total		1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Strip Mall	0.102329	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Total		1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Unmitigated	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Total	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Total	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley - Stockton Avenue Ventilation Structure

Santa Clara County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	15.00	1000sqft	0.34	15,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	31.6587	13.9365	9.2297	0.0131	0.8471	0.9432	1.6517	0.4388	0.8677	1.2068	0.0000	1,280.9589	1,280.9589	0.3583	0.0000	1,288.4821
Total	31.6587	13.9365	9.2297	0.0131	0.8471	0.9432	1.6517	0.4388	0.8677	1.2068	0.0000	1,280.9589	1,280.9589	0.3583	0.0000	1,288.4821

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	31.6587	13.9365	9.2297	0.0131	0.4331	0.9432	1.2377	0.2112	0.8677	0.9792	0.0000	1,280.9589	1,280.9589	0.3583	0.0000	1,288.4821
Total	31.6587	13.9365	9.2297	0.0131	0.4331	0.9432	1.2377	0.2112	0.8677	0.9792	0.0000	1,280.9589	1,280.9589	0.3583	0.0000	1,288.4821

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	48.88	0.00	25.07	51.87	0.00	18.86	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Energy	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Mobile	1.3700	1.9061	11.6796	0.0293	2.1622	0.0364	2.1986	0.5765	0.0336	0.6101		2,124.3473	2,124.3473	0.0693		2,125.8023
Total	1.7351	1.9162	11.6896	0.0293	2.1622	0.0371	2.1994	0.5765	0.0344	0.6108		2,136.3892	2,136.3892	0.0695	2.2000e-004	2,137.9177

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Energy	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Mobile	1.3700	1.9061	11.6796	0.0293	2.1622	0.0364	2.1986	0.5765	0.0336	0.6101		2,124.3473	2,124.3473	0.0693		2,125.8023
Total	1.7351	1.9162	11.6896	0.0293	2.1622	0.0371	2.1994	0.5765	0.0344	0.6108		2,136.3892	2,136.3892	0.0695	2.2000e-004	2,137.9177

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	6/21/2016	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	5.00	2.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003		87.4476
Total	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003		87.4476

3.2 Demolition - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003		87.4476
Total	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003		87.4476

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671		973.0842	973.0842	0.2935		979.2481
Total	1.3593	13.6350	7.3401	9.3500e-003	0.5303	0.8338	1.3640	0.0573	0.7671	0.8243		973.0842	973.0842	0.2935		979.2481

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003		43.7238
Total	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003		43.7238

3.3 Site Preparation - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671	0.0000	973.0842	973.0842	0.2935		979.2481
Total	1.3593	13.6350	7.3401	9.3500e-003	0.2386	0.8338	1.0724	0.0258	0.7671	0.7928	0.0000	973.0842	973.0842	0.2935		979.2481

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003		43.7238
Total	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003		43.7238

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120	0.7528	0.8039	1.5566	0.4138	0.7674	1.1811		1,193.6106	1,193.6106	0.2386		1,198.6217

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003		87.4476
Total	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003		87.4476

3.4 Grading - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3387	0.0000	0.3387	0.1862	0.0000	0.1862			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120	0.3387	0.8039	1.1426	0.1862	0.7674	0.9536	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003		87.4476
Total	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003		87.4476

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555		1,186.0202
Total	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555		1,186.0202

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0265	0.2021	0.3226	4.7000e-004	0.0133	3.0100e-003	0.0163	3.8000e-003	2.7700e-003	6.5700e-003		47.4641	47.4641	3.9000e-004		47.4722
Worker	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003		43.7238
Total	0.0465	0.2307	0.5851	9.9000e-004	0.0605	3.3700e-003	0.0638	0.0163	3.1000e-003	0.0194		91.1382	91.1382	2.7500e-003		91.1960

3.5 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646	0.0000	1,178.5549	1,178.5549	0.3555		1,186.0202
Total	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646	0.0000	1,178.5549	1,178.5549	0.3555		1,186.0202

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0265	0.2021	0.3226	4.7000e-004	0.0133	3.0100e-003	0.0163	3.8000e-003	2.7700e-003	6.5700e-003		47.4641	47.4641	3.9000e-004		47.4722
Worker	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003		43.7238
Total	0.0465	0.2307	0.5851	9.9000e-004	0.0605	3.3700e-003	0.0638	0.0163	3.1000e-003	0.0194		91.1382	91.1382	2.7500e-003		91.1960

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.583 2	1,083.583 2	0.2969		1,089.817 5
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.583 2	1,083.583 2	0.2969		1,089.817 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003		157.4056
Total	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003		157.4056

3.6 Paving - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113	0.0000	1,083.5832	1,083.5832	0.2969		1,089.8175
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113	0.0000	1,083.5832	1,083.5832	0.2969		1,089.8175

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003		157.4056
Total	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003		157.4056

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	31.2863					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332			282.1449
Total	31.6547	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332			282.1449

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	4.0100e-003	5.7100e-003	0.0525	1.0000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	7.0000e-005	2.5700e-003		8.7348	8.7348	4.7000e-004			8.7448
Total	4.0100e-003	5.7100e-003	0.0525	1.0000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	7.0000e-005	2.5700e-003		8.7348	8.7348	4.7000e-004			8.7448

3.7 Architectural Coating - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.2863					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
Total	31.6547	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.0100e-003	5.7100e-003	0.0525	1.0000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	7.0000e-005	2.5700e-003		8.7348	8.7348	4.7000e-004		8.7448
Total	4.0100e-003	5.7100e-003	0.0525	1.0000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	7.0000e-005	2.5700e-003		8.7348	8.7348	4.7000e-004		8.7448

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3700	1.9061	11.6796	0.0293	2.1622	0.0364	2.1986	0.5765	0.0336	0.6101		2,124.3473	2,124.3473	0.0693		2,125.8023
Unmitigated	1.3700	1.9061	11.6796	0.0293	2.1622	0.0364	2.1986	0.5765	0.0336	0.6101		2,124.3473	2,124.3473	0.0693		2,125.8023

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	664.80	630.60	306.45	937,451	937,451
Total	664.80	630.60	306.45	937,451	937,451

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
NaturalGas Unmitigated	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Strip Mall	102.329	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Total		1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Strip Mall	0.102329	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Total		1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Unmitigated	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Total	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Total	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

CalEEMod Outputs
Using Tier IV Construction Equipment

BART Silicon Valley - 13th Street Vent Structure Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	13.00	1000sqft	0.30	13,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation - Tier IV

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	10.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.1457	0.7488	0.5112	7.4000e-004	4.5100e-003	0.0500	0.0545	1.3800e-003	0.0463	0.0476	0.0000	67.7102	67.7102	0.0185	0.0000	68.0979
Total	0.1457	0.7488	0.5112	7.4000e-004	4.5100e-003	0.0500	0.0545	1.3800e-003	0.0463	0.0476	0.0000	67.7102	67.7102	0.0185	0.0000	68.0979

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.0781	0.0460	0.4884	7.4000e-004	3.9500e-003	1.2500e-003	5.2000e-003	1.1400e-003	1.2400e-003	2.3800e-003	0.0000	67.7101	67.7101	0.0185	0.0000	68.0979
Total	0.0781	0.0460	0.4884	7.4000e-004	3.9500e-003	1.2500e-003	5.2000e-003	1.1400e-003	1.2400e-003	2.3800e-003	0.0000	67.7101	67.7101	0.0185	0.0000	68.0979

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	46.40	93.85	4.46	0.00	12.42	97.50	90.47	17.39	97.32	95.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0576	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.4000e-004
Energy	1.7000e-004	1.5900e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	45.9372	45.9372	2.0300e-003	4.5000e-004	46.1179
Mobile	0.1837	0.2641	1.5094	4.2700e-003	0.3016	5.2300e-003	0.3069	0.0806	4.8300e-003	0.0855	0.0000	280.8448	280.8448	9.0500e-003	0.0000	281.0349
Waste						0.0000	0.0000		0.0000	0.0000	2.7708	0.0000	2.7708	0.1638	0.0000	6.2096
Water						0.0000	0.0000		0.0000	0.0000	0.3055	2.1167	2.4222	0.0315	7.6000e-004	3.3190
Total	0.2415	0.2657	1.5108	4.2800e-003	0.3016	5.3500e-003	0.3070	0.0806	4.9500e-003	0.0856	3.0763	328.8989	331.9752	0.2063	1.2100e-003	336.6816

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0576	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.4000e-004
Energy	1.7000e-004	1.5900e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	45.9372	45.9372	2.0300e-003	4.5000e-004	46.1179
Mobile	0.1837	0.2642	1.5099	4.2700e-003	0.3018	5.2300e-003	0.3071	0.0807	4.8300e-003	0.0855	0.0000	281.0305	281.0305	9.0600e-003	0.0000	281.2208
Waste						0.0000	0.0000		0.0000	0.0000	2.7708	0.0000	2.7708	0.1638	0.0000	6.2096
Water						0.0000	0.0000		0.0000	0.0000	0.3055	2.1167	2.4222	0.0315	7.6000e-004	3.3185
Total	0.2415	0.2658	1.5114	4.2800e-003	0.3018	5.3500e-003	0.3072	0.0807	4.9500e-003	0.0857	3.0763	329.0847	332.1610	0.2063	1.2100e-003	336.8670

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	-0.01	-0.05	-0.04	0.00	-0.07	0.00	-0.07	-0.07	0.00	-0.07	0.00	-0.06	-0.06	0.00	0.00	-0.06

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/13/2017	5	10	
2	Site Preparation	Site Preparation	1/14/2017	1/16/2017	5	1	
3	Grading	Grading	1/17/2017	1/18/2017	5	2	
4	Building Construction	Building Construction	1/19/2017	6/7/2017	5	100	
5	Paving	Paving	6/8/2017	6/14/2017	5	5	
6	Architectural Coating	Architectural Coating	6/15/2017	6/28/2017	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 19,500; Non-Residential Outdoor: 6,500 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	4.00	2.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.0200e-003	0.0524	0.0429	6.0000e-005		3.6300e-003	3.6300e-003		3.4600e-003	3.4600e-003	0.0000	5.3697	5.3697	1.0600e-003	0.0000	5.3919
Total	6.0200e-003	0.0524	0.0429	6.0000e-005		3.6300e-003	3.6300e-003		3.4600e-003	3.4600e-003	0.0000	5.3697	5.3697	1.0600e-003	0.0000	5.3919

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.3000e-004	2.2700e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3858	0.3858	2.0000e-005	0.0000	0.3862
Total	1.7000e-004	2.3000e-004	2.2700e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3858	0.3858	2.0000e-005	0.0000	0.3862

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7000e-004	2.8800e-003	0.0393	6.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	5.3697	5.3697	1.0600e-003	0.0000	5.3919
Total	6.7000e-004	2.8800e-003	0.0393	6.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	5.3697	5.3697	1.0600e-003	0.0000	5.3919

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.3000e-004	2.2700e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3858	0.3858	2.0000e-005	0.0000	0.3862
Total	1.7000e-004	2.3000e-004	2.2700e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3858	0.3858	2.0000e-005	0.0000	0.3862

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3000e-004	6.3400e-003	3.6200e-003	0.0000		3.9000e-004	3.9000e-004		3.5000e-004	3.5000e-004	0.0000	0.4336	0.4336	1.3000e-004	0.0000	0.4364
Total	6.3000e-004	6.3400e-003	3.6200e-003	0.0000	2.7000e-004	3.9000e-004	6.6000e-004	3.0000e-005	3.5000e-004	3.8000e-004	0.0000	0.4336	0.4336	1.3000e-004	0.0000	0.4364

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.1000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0193	0.0193	0.0000	0.0000	0.0193
Total	1.0000e-005	1.0000e-005	1.1000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0193	0.0193	0.0000	0.0000	0.0193

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2000e-004	0.0000	1.2000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	2.5000e-004	3.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.4336	0.4336	1.3000e-004	0.0000	0.4364
Total	6.0000e-005	2.5000e-004	3.5000e-003	0.0000	1.2000e-004	1.0000e-005	1.3000e-004	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.4336	0.4336	1.3000e-004	0.0000	0.4364

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.1000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0193	0.0193	0.0000	0.0000	0.0193
Total	1.0000e-005	1.0000e-005	1.1000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0193	0.0193	0.0000	0.0000	0.0193

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2000e-003	0.0105	8.5800e-003	1.0000e-005		7.3000e-004	7.3000e-004		6.9000e-004	6.9000e-004	0.0000	1.0739	1.0739	2.1000e-004	0.0000	1.0784
Total	1.2000e-003	0.0105	8.5800e-003	1.0000e-005	7.5000e-004	7.3000e-004	1.4800e-003	4.1000e-004	6.9000e-004	1.1000e-003	0.0000	1.0739	1.0739	2.1000e-004	0.0000	1.0784

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	5.0000e-005	4.5000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0772	0.0772	0.0000	0.0000	0.0772
Total	3.0000e-005	5.0000e-005	4.5000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0772	0.0772	0.0000	0.0000	0.0772

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.4000e-004	0.0000	3.4000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3000e-004	5.8000e-004	7.8700e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.0739	1.0739	2.1000e-004	0.0000	1.0784
Total	1.3000e-004	5.8000e-004	7.8700e-003	1.0000e-005	3.4000e-004	2.0000e-005	3.6000e-004	1.9000e-004	2.0000e-005	2.1000e-004	0.0000	1.0739	1.0739	2.1000e-004	0.0000	1.0784

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	5.0000e-005	4.5000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0772	0.0772	0.0000	0.0000	0.0772
Total	3.0000e-005	5.0000e-005	4.5000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0772	0.0772	0.0000	0.0000	0.0772

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0637	0.6337	0.4020	5.7000e-004		0.0428	0.0428		0.0394	0.0394	0.0000	52.5954	52.5954	0.0161	0.0000	52.9339
Total	0.0637	0.6337	0.4020	5.7000e-004		0.0428	0.0428		0.0394	0.0394	0.0000	52.5954	52.5954	0.0161	0.0000	52.9339

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0400e-003	8.9400e-003	0.0125	2.0000e-005	6.5000e-004	1.3000e-004	7.8000e-004	1.9000e-004	1.2000e-004	3.0000e-004	0.0000	2.1255	2.1255	2.0000e-005	0.0000	2.1258
Worker	6.7000e-004	9.4000e-004	9.0900e-003	2.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	5.0000e-004	0.0000	1.5431	1.5431	8.0000e-005	0.0000	1.5448
Total	1.7100e-003	9.8800e-003	0.0216	4.0000e-005	2.4700e-003	1.4000e-004	2.6100e-003	6.7000e-004	1.3000e-004	8.0000e-004	0.0000	3.6686	3.6686	1.0000e-004	0.0000	3.6706

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9400e-003	0.0301	0.3849	5.7000e-004		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	52.5954	52.5954	0.0161	0.0000	52.9338
Total	6.9400e-003	0.0301	0.3849	5.7000e-004		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	52.5954	52.5954	0.0161	0.0000	52.9338

3.5 Building Construction - 2017**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0400e-003	8.9400e-003	0.0125	2.0000e-005	6.5000e-004	1.3000e-004	7.8000e-004	1.9000e-004	1.2000e-004	3.0000e-004	0.0000	2.1255	2.1255	2.0000e-005	0.0000	2.1258
Worker	6.7000e-004	9.4000e-004	9.0900e-003	2.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	5.0000e-004	0.0000	1.5431	1.5431	8.0000e-005	0.0000	1.5448
Total	1.7100e-003	9.8800e-003	0.0216	4.0000e-005	2.4700e-003	1.4000e-004	2.6100e-003	6.7000e-004	1.3000e-004	8.0000e-004	0.0000	3.6686	3.6686	1.0000e-004	0.0000	3.6706

3.6 Paving - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6000e-003	0.0246	0.0181	3.0000e-005		1.5000e-003	1.5000e-003		1.3900e-003	1.3900e-003	0.0000	2.4243	2.4243	6.7000e-004	0.0000	2.4384
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.6000e-003	0.0246	0.0181	3.0000e-005		1.5000e-003	1.5000e-003		1.3900e-003	1.3900e-003	0.0000	2.4243	2.4243	6.7000e-004	0.0000	2.4384

3.6 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	2.1000e-004	2.0400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3472	0.3472	2.0000e-005	0.0000	0.3476
Total	1.5000e-004	2.1000e-004	2.0400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3472	0.3472	2.0000e-005	0.0000	0.3476

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7000e-004	1.1900e-003	0.0170	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.4243	2.4243	6.7000e-004	0.0000	2.4384
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.7000e-004	1.1900e-003	0.0170	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.4243	2.4243	6.7000e-004	0.0000	2.4384

3.6 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	2.1000e-004	2.0400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3472	0.3472	2.0000e-005	0.0000	0.3476	
Total	1.5000e-004	2.1000e-004	2.0400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3472	0.3472	2.0000e-005	0.0000	0.3476	

3.7 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Archit. Coating	0.0678					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6600e-003	0.0109	9.3400e-003	1.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	1.2766	1.2766	1.3000e-004	0.0000	1.2795	
Total	0.0695	0.0109	9.3400e-003	1.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	1.2766	1.2766	1.3000e-004	0.0000	1.2795	

3.7 Architectural Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	2.3000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0386	0.0386
Total	2.0000e-005	2.0000e-005	2.3000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0386	0.0386

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0678					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5000e-004	6.4000e-004	9.1600e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.2766	1.2766	1.3000e-004	0.0000	1.2795
Total	0.0679	6.4000e-004	9.1600e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.2766	1.2766	1.3000e-004	0.0000	1.2795

3.7 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	2.3000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0386	0.0386
Total	2.0000e-005	2.0000e-005	2.3000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0386	0.0386

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1837	0.2642	1.5099	4.2700e-003	0.3018	5.2300e-003	0.3071	0.0807	4.8300e-003	0.0855	0.0000	281.0305	281.0305	9.0600e-003	0.0000	281.2208
Unmitigated	0.1837	0.2641	1.5094	4.2700e-003	0.3016	5.2300e-003	0.3069	0.0806	4.8300e-003	0.0855	0.0000	280.8448	280.8448	9.0500e-003	0.0000	281.0349

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	576.16	546.52	265.59	812,458	813,026
Total	576.16	546.52	265.59	812,458	813,026

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	44.2098	44.2098	2.0000e-003	4.1000e-004	44.3800
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	44.2098	44.2098	2.0000e-003	4.1000e-004	44.3800
NaturalGas Mitigated	1.7000e-004	1.5900e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7274	1.7274	3.0000e-005	3.0000e-005	1.7379
NaturalGas Unmitigated	1.7000e-004	1.5900e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7274	1.7274	3.0000e-005	3.0000e-005	1.7379

5.2 Energy by Land Use - NaturalGas
Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Strip Mall	32370	1.7000e-004	1.5900e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7274	1.7274	3.0000e-005	3.0000e-005	1.7379
Total		1.7000e-004	1.5900e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7274	1.7274	3.0000e-005	3.0000e-005	1.7379

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Strip Mall	32370	1.7000e-004	1.5900e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7274	1.7274	3.0000e-005	3.0000e-005	1.7379
Total		1.7000e-004	1.5900e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7274	1.7274	3.0000e-005	3.0000e-005	1.7379

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Strip Mall	151970	44.2098	2.0000e-003	4.1000e-004	44.3800
Total		44.2098	2.0000e-003	4.1000e-004	44.3800

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Strip Mall	151970	44.2098	2.0000e-003	4.1000e-004	44.3800
Total		44.2098	2.0000e-003	4.1000e-004	44.3800

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0576	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.4000e-004
Unmitigated	0.0576	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.4000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	6.7800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0508					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.4000e-004
Total	0.0576	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.4000e-004

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	6.7800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0508					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.4000e-004
Total	0.0576	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.4000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.4222	0.0315	7.6000e-004	3.3185
Unmitigated	2.4222	0.0315	7.6000e-004	3.3190

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Strip Mall	0.962943 / 0.590191	2.4222	0.0315	7.6000e-004	3.3190
Total		2.4222	0.0315	7.6000e-004	3.3190

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Strip Mall	0.962943 / 0.590191	2.4222	0.0315	7.6000e-004	3.3185
Total		2.4222	0.0315	7.6000e-004	3.3185

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.7708	0.1638	0.0000	6.2096
Unmitigated	2.7708	0.1638	0.0000	6.2096

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Strip Mall	13.65	2.7708	0.1638	0.0000	6.2096
Total		2.7708	0.1638	0.0000	6.2096

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Strip Mall	13.65	2.7708	0.1638	0.0000	6.2096
Total		2.7708	0.1638	0.0000	6.2096

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley - 13th Street Vent Structure
Santa Clara County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	13.00	1000sqft	0.30	13,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation - Tier IV

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	10.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	13.8933	12.8637	9.0732	0.0132	0.8471	0.8582	1.5743	0.4388	0.7895	1.1324	0.0000	1,275.1949	1,275.1949	0.3574	0.0000	1,282.6996
Total	13.8933	12.8637	9.0732	0.0132	0.8471	0.8582	1.5743	0.4388	0.7895	1.1324	0.0000	1,275.1949	1,275.1949	0.3574	0.0000	1,282.6996

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	13.5907	0.7917	8.3572	0.0132	0.4331	0.0214	0.4515	0.2112	0.0211	0.2296	0.0000	1,275.1949	1,275.1949	0.3574	0.0000	1,282.6996
Total	13.5907	0.7917	8.3572	0.0132	0.4331	0.0214	0.4515	0.2112	0.0211	0.2296	0.0000	1,275.1949	1,275.1949	0.3574	0.0000	1,282.6996

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.18	93.85	7.89	0.00	48.88	97.51	71.32	51.87	97.32	79.73	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Energy	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
Mobile	1.1508	1.4920	8.4353	0.0271	1.8739	0.0314	1.9053	0.4996	0.0290	0.5286		1,961.7269	1,961.7269	0.0599		1,962.9848
Total	1.4673	1.5007	8.4439	0.0272	1.8739	0.0320	1.9060	0.4996	0.0296	0.5292		1,972.1633	1,972.1633	0.0601	1.9000e-004	1,973.4848

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Energy	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
Mobile	1.1510	1.4927	8.4391	0.0271	1.8753	0.0314	1.9066	0.5000	0.0290	0.5289		1,963.0272	1,963.0272	0.0599		1,964.2858
Total	1.4674	1.5014	8.4477	0.0272	1.8753	0.0320	1.9073	0.5000	0.0296	0.5296		1,973.4636	1,973.4636	0.0601	1.9000e-004	1,974.7858

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	-0.01	-0.05	-0.04	-0.07	-0.07	-0.06	-0.07	-0.07	-0.07	-0.07	0.00	-0.07	-0.07	-0.05	0.00	-0.07

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/13/2017	5	10	
2	Site Preparation	Site Preparation	1/14/2017	1/16/2017	5	1	
3	Grading	Grading	1/17/2017	1/18/2017	5	2	
4	Building Construction	Building Construction	1/19/2017	6/7/2017	5	100	
5	Paving	Paving	6/8/2017	6/14/2017	5	5	
6	Architectural Coating	Architectural Coating	6/15/2017	6/28/2017	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 19,500; Non-Residential Outdoor: 6,500 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	4.00	2.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266		0.6930	0.6930		1,183.8131	1,183.8131	0.2333		1,188.7118
Total	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266		0.6930	0.6930		1,183.8131	1,183.8131	0.2333		1,188.7118

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0361	0.0418	0.4908	1.1300e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		91.3818	91.3818	4.3200e-003			91.4725
Total	0.0361	0.0418	0.4908	1.1300e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		91.3818	91.3818	4.3200e-003			91.4725

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.1330	0.5765	7.8665	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,183.8131	1,183.8131	0.2333			1,188.7118
Total	0.1330	0.5765	7.8665	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,183.8131	1,183.8131	0.2333			1,188.7118

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0361	0.0418	0.4908	1.1300e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		91.3818	91.3818	4.3200e-003		91.4725
Total	0.0361	0.0418	0.4908	1.1300e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		91.3818	91.3818	4.3200e-003		91.4725

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.2694	12.6852	7.2319	9.3300e-003		0.7705	0.7705		0.7089	0.7089		955.8663	955.8663	0.2929		962.0167
Total	1.2694	12.6852	7.2319	9.3300e-003	0.5303	0.7705	1.3007	0.0573	0.7089	0.7661		955.8663	955.8663	0.2929		962.0167

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0181	0.0209	0.2454	5.7000e-004	0.0472	3.5000e-004	0.0475	0.0125	3.2000e-004	0.0128		45.6909	45.6909	2.1600e-003		45.7362
Total	0.0181	0.0209	0.2454	5.7000e-004	0.0472	3.5000e-004	0.0475	0.0125	3.2000e-004	0.0128		45.6909	45.6909	2.1600e-003		45.7362

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.1135	0.4917	6.9975	9.3300e-003		0.0151	0.0151		0.0151	0.0151	0.0000	955.8663	955.8663	0.2929		962.0167
Total	0.1135	0.4917	6.9975	9.3300e-003	0.2386	0.0151	0.2537	0.0258	0.0151	0.0409	0.0000	955.8663	955.8663	0.2929		962.0167

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0181	0.0209	0.2454	5.7000e-004	0.0472	3.5000e-004	0.0475	0.0125	3.2000e-004	0.0128		45.6909	45.6909	2.1600e-003			45.7362
Total	0.0181	0.0209	0.2454	5.7000e-004	0.0472	3.5000e-004	0.0475	0.0125	3.2000e-004	0.0128		45.6909	45.6909	2.1600e-003			45.7362

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000	
Off-Road	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266		0.6930	0.6930		1,183.8131	1,183.8131	0.2333			1,188.7118
Total	1.2049	10.4761	8.5825	0.0120	0.7528	0.7266	1.4794	0.4138	0.6930	1.1068		1,183.8131	1,183.8131	0.2333			1,188.7118

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0361	0.0418	0.4908	1.1300e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		91.3818	91.3818	4.3200e-003		91.4725
Total	0.0361	0.0418	0.4908	1.1300e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		91.3818	91.3818	4.3200e-003		91.4725

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3387	0.0000	0.3387	0.1862	0.0000	0.1862			0.0000			0.0000
Off-Road	0.1330	0.5765	7.8665	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,183.8131	1,183.8131	0.2333		1,188.7118
Total	0.1330	0.5765	7.8665	0.0120	0.3387	0.0177	0.3565	0.1862	0.0177	0.2039	0.0000	1,183.8131	1,183.8131	0.2333		1,188.7118

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0361	0.0418	0.4908	1.1300e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		91.3818	91.3818	4.3200e-003		91.4725
Total	0.0361	0.0418	0.4908	1.1300e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		91.3818	91.3818	4.3200e-003		91.4725

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2740	12.6738	8.0395	0.0113		0.8553	0.8553		0.7869	0.7869		1,159.5310	1,159.5310	0.3553		1,166.9919
Total	1.2740	12.6738	8.0395	0.0113		0.8553	0.8553		0.7869	0.7869		1,159.5310	1,159.5310	0.3553		1,166.9919

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0190	0.1732	0.1977	4.8000e-004	0.0133	2.5800e-003	0.0159	3.8000e-003	2.3700e-003	6.1700e-003		47.0098	47.0098	3.6000e-004			47.0173
Worker	0.0144	0.0167	0.1963	4.5000e-004	0.0377	2.8000e-004	0.0380	0.0100	2.6000e-004	0.0103		36.5527	36.5527	1.7300e-003			36.5890
Total	0.0334	0.1899	0.3940	9.3000e-004	0.0510	2.8600e-003	0.0539	0.0138	2.6300e-003	0.0164		83.5625	83.5625	2.0900e-003			83.6063

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.1389	0.6019	7.6980	0.0113		0.0185	0.0185		0.0185	0.0185	0.0000	1,159.5310	1,159.5310	0.3553			1,166.9919
Total	0.1389	0.6019	7.6980	0.0113		0.0185	0.0185		0.0185	0.0185	0.0000	1,159.5310	1,159.5310	0.3553			1,166.9919

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0190	0.1732	0.1977	4.8000e-004	0.0133	2.5800e-003	0.0159	3.8000e-003	2.3700e-003	6.1700e-003		47.0098	47.0098	3.6000e-004			47.0173
Worker	0.0144	0.0167	0.1963	4.5000e-004	0.0377	2.8000e-004	0.0380	0.0100	2.6000e-004	0.0103		36.5527	36.5527	1.7300e-003			36.5890
Total	0.0334	0.1899	0.3940	9.3000e-004	0.0510	2.8600e-003	0.0539	0.0138	2.6300e-003	0.0164		83.5625	83.5625	2.0900e-003			83.6063

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.0406	9.8344	7.2432	0.0111		0.6018	0.6018		0.5572	0.5572		1,068.9366	1,068.9366	0.2968			1,075.1698
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.0406	9.8344	7.2432	0.0111		0.6018	0.6018		0.5572	0.5572		1,068.9366	1,068.9366	0.2968			1,075.1698

3.6 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003			164.6504
Total	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003			164.6504

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.1100	0.4766	6.7829	0.0111		0.0147	0.0147		0.0147	0.0147	0.0000	1,068.9366	1,068.9366	0.2968			1,075.1698
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.1100	0.4766	6.7829	0.0111		0.0147	0.0147		0.0147	0.0147	0.0000	1,068.9366	1,068.9366	0.2968			1,075.1698

3.6 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003			164.6504
Total	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003			164.6504

3.7 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	13.5574					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721
Total	13.8897	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721

3.7 Architectural Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.6100e-003	4.1800e-003	0.0491	1.1000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	6.0000e-005	2.5700e-003		9.1382	9.1382	4.3000e-004		9.1473
Total	3.6100e-003	4.1800e-003	0.0491	1.1000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	6.0000e-005	2.5700e-003		9.1382	9.1382	4.3000e-004		9.1473

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.5574					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0297		282.0721
Total	13.5871	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0297		282.0721

3.7 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.6100e-003	4.1800e-003	0.0491	1.1000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	6.0000e-005	2.5700e-003		9.1382	9.1382	4.3000e-004		9.1473
Total	3.6100e-003	4.1800e-003	0.0491	1.1000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	6.0000e-005	2.5700e-003		9.1382	9.1382	4.3000e-004		9.1473

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1510	1.4927	8.4391	0.0271	1.8753	0.0314	1.9066	0.5000	0.0290	0.5289		1,963.0272	1,963.0272	0.0599		1,964.2858
Unmitigated	1.1508	1.4920	8.4353	0.0271	1.8739	0.0314	1.9053	0.4996	0.0290	0.5286		1,961.7269	1,961.7269	0.0599		1,962.9848

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	576.16	546.52	265.59	812,458	813,026
Total	576.16	546.52	265.59	812,458	813,026

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
NaturalGas Unmitigated	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Strip Mall	88.6849	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
Total		9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Strip Mall	0.0886849	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
Total		9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Unmitigated	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0371					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Total	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0371					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Total	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley - 13th Street Vent Structure Santa Clara County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	13.00	1000sqft	0.30	13,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation - Tier IV

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	10.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	13.8933	12.8752	9.0501	0.0131	0.8471	0.8582	1.5743	0.4388	0.7896	1.1324	0.0000	1,267.8207	1,267.8207	0.3574	0.0000	1,275.3256
Total	13.8933	12.8752	9.0501	0.0131	0.8471	0.8582	1.5743	0.4388	0.7896	1.1324	0.0000	1,267.8207	1,267.8207	0.3574	0.0000	1,275.3256

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	13.5907	0.8032	8.3341	0.0131	0.4331	0.0214	0.4515	0.2112	0.0212	0.2296	0.0000	1,267.8207	1,267.8207	0.3574	0.0000	1,275.3256
Total	13.5907	0.8032	8.3341	0.0131	0.4331	0.0214	0.4515	0.2112	0.0212	0.2296	0.0000	1,267.8207	1,267.8207	0.3574	0.0000	1,275.3256

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.18	93.76	7.91	0.00	48.88	97.51	71.32	51.87	97.32	79.73	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Energy	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
Mobile	1.1874	1.6520	10.1223	0.0254	1.8739	0.0315	1.9055	0.4996	0.0291	0.5287		1,841.1010	1,841.1010	0.0601		1,842.3620
Total	1.5038	1.6607	10.1310	0.0254	1.8739	0.0322	1.9061	0.4996	0.0298	0.5294		1,851.5373	1,851.5373	0.0603	1.9000e-004	1,852.8620

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Energy	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
Mobile	1.1875	1.6528	10.1257	0.0254	1.8753	0.0315	1.9068	0.5000	0.0291	0.5291		1,842.3196	1,842.3196	0.0601		1,843.5813
Total	1.5039	1.6615	10.1343	0.0254	1.8753	0.0322	1.9074	0.5000	0.0298	0.5298		1,852.7559	1,852.7559	0.0603	1.9000e-004	1,854.0813

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	-0.01	-0.05	-0.03	-0.04	-0.07	-0.03	-0.07	-0.07	-0.03	-0.07	0.00	-0.07	-0.07	-0.05	0.00	-0.07

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/13/2017	5	10	
2	Site Preparation	Site Preparation	1/14/2017	1/16/2017	5	1	
3	Grading	Grading	1/17/2017	1/18/2017	5	2	
4	Building Construction	Building Construction	1/19/2017	6/7/2017	5	100	
5	Paving	Paving	6/8/2017	6/14/2017	5	5	
6	Architectural Coating	Architectural Coating	6/15/2017	6/28/2017	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 19,500; Non-Residential Outdoor: 6,500 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	4.00	2.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266		0.6930	0.6930		1,183.8131	1,183.8131	0.2333		1,188.7118
Total	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266		0.6930	0.6930		1,183.8131	1,183.8131	0.2333		1,188.7118

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0358	0.0512	0.4677	1.0400e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		84.0076	84.0076	4.3200e-003		84.0983
Total	0.0358	0.0512	0.4677	1.0400e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		84.0076	84.0076	4.3200e-003		84.0983

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1330	0.5765	7.8665	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,183.8131	1,183.8131	0.2333		1,188.7118
Total	0.1330	0.5765	7.8665	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,183.8131	1,183.8131	0.2333		1,188.7118

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0358	0.0512	0.4677	1.0400e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		84.0076	84.0076	4.3200e-003			84.0983
Total	0.0358	0.0512	0.4677	1.0400e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		84.0076	84.0076	4.3200e-003			84.0983

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000	
Off-Road	1.2694	12.6852	7.2319	9.3300e-003		0.7705	0.7705		0.7089	0.7089		955.8663	955.8663	0.2929			962.0167
Total	1.2694	12.6852	7.2319	9.3300e-003	0.5303	0.7705	1.3007	0.0573	0.7089	0.7661		955.8663	955.8663	0.2929			962.0167

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0179	0.0256	0.2338	5.2000e-004	0.0472	3.5000e-004	0.0475	0.0125	3.2000e-004	0.0128		42.0038	42.0038	2.1600e-003		42.0491
Total	0.0179	0.0256	0.2338	5.2000e-004	0.0472	3.5000e-004	0.0475	0.0125	3.2000e-004	0.0128		42.0038	42.0038	2.1600e-003		42.0491

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.1135	0.4917	6.9975	9.3300e-003		0.0151	0.0151		0.0151	0.0151	0.0000	955.8663	955.8663	0.2929		962.0167
Total	0.1135	0.4917	6.9975	9.3300e-003	0.2386	0.0151	0.2537	0.0258	0.0151	0.0409	0.0000	955.8663	955.8663	0.2929		962.0167

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0179	0.0256	0.2338	5.2000e-004	0.0472	3.5000e-004	0.0475	0.0125	3.2000e-004	0.0128		42.0038	42.0038	2.1600e-003		42.0491
Total	0.0179	0.0256	0.2338	5.2000e-004	0.0472	3.5000e-004	0.0475	0.0125	3.2000e-004	0.0128		42.0038	42.0038	2.1600e-003		42.0491

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266		0.6930	0.6930		1,183.8131	1,183.8131	0.2333		1,188.7118
Total	1.2049	10.4761	8.5825	0.0120	0.7528	0.7266	1.4794	0.4138	0.6930	1.1068		1,183.8131	1,183.8131	0.2333		1,188.7118

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0358	0.0512	0.4677	1.0400e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		84.0076	84.0076	4.3200e-003			84.0983
Total	0.0358	0.0512	0.4677	1.0400e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		84.0076	84.0076	4.3200e-003			84.0983

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.3387	0.0000	0.3387	0.1862	0.0000	0.1862			0.0000			0.0000	
Off-Road	0.1330	0.5765	7.8665	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,183.8131	1,183.8131	0.2333			1,188.7118
Total	0.1330	0.5765	7.8665	0.0120	0.3387	0.0177	0.3565	0.1862	0.0177	0.2039	0.0000	1,183.8131	1,183.8131	0.2333			1,188.7118

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0358	0.0512	0.4677	1.0400e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		84.0076	84.0076	4.3200e-003			84.0983
Total	0.0358	0.0512	0.4677	1.0400e-003	0.0943	6.9000e-004	0.0950	0.0250	6.4000e-004	0.0257		84.0076	84.0076	4.3200e-003			84.0983

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.2740	12.6738	8.0395	0.0113		0.8553	0.8553		0.7869	0.7869		1,159.5310	1,159.5310	0.3553			1,166.9919
Total	1.2740	12.6738	8.0395	0.0113		0.8553	0.8553		0.7869	0.7869		1,159.5310	1,159.5310	0.3553			1,166.9919

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0230	0.1809	0.3007	4.7000e-004	0.0133	2.6000e-003	0.0159	3.8000e-003	2.3900e-003	6.1900e-003		46.6490	46.6490	3.7000e-004			46.6568
Worker	0.0143	0.0205	0.1871	4.2000e-004	0.0377	2.8000e-004	0.0380	0.0100	2.6000e-004	0.0103		33.6030	33.6030	1.7300e-003			33.6393
Total	0.0374	0.2014	0.4878	8.9000e-004	0.0510	2.8800e-003	0.0539	0.0138	2.6500e-003	0.0165		80.2521	80.2521	2.1000e-003			80.2961

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.1389	0.6019	7.6980	0.0113		0.0185	0.0185		0.0185	0.0185	0.0000	1,159.5310	1,159.5310	0.3553			1,166.9919
Total	0.1389	0.6019	7.6980	0.0113		0.0185	0.0185		0.0185	0.0185	0.0000	1,159.5310	1,159.5310	0.3553			1,166.9919

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0230	0.1809	0.3007	4.7000e-004	0.0133	2.6000e-003	0.0159	3.8000e-003	2.3900e-003	6.1900e-003		46.6490	46.6490	3.7000e-004			46.6568
Worker	0.0143	0.0205	0.1871	4.2000e-004	0.0377	2.8000e-004	0.0380	0.0100	2.6000e-004	0.0103		33.6030	33.6030	1.7300e-003			33.6393
Total	0.0374	0.2014	0.4878	8.9000e-004	0.0510	2.8800e-003	0.0539	0.0138	2.6500e-003	0.0165		80.2521	80.2521	2.1000e-003			80.2961

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.0406	9.8344	7.2432	0.0111		0.6018	0.6018		0.5572	0.5572		1,068.9366	1,068.9366	0.2968			1,075.1698
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.0406	9.8344	7.2432	0.0111		0.6018	0.6018		0.5572	0.5572		1,068.9366	1,068.9366	0.2968			1,075.1698

3.6 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769
Total	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1100	0.4766	6.7829	0.0111		0.0147	0.0147		0.0147	0.0147	0.0000	1,068.9366	1,068.9366	0.2968		1,075.1698
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1100	0.4766	6.7829	0.0111		0.0147	0.0147		0.0147	0.0147	0.0000	1,068.9366	1,068.9366	0.2968		1,075.1698

3.6 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003			151.3769
Total	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003			151.3769

3.7 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	13.5574					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721
Total	13.8897	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721

3.7 Architectural Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.5800e-003	5.1200e-003	0.0468	1.0000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	6.0000e-005	2.5700e-003		8.4008	8.4008	4.3000e-004		8.4098
Total	3.5800e-003	5.1200e-003	0.0468	1.0000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	6.0000e-005	2.5700e-003		8.4008	8.4008	4.3000e-004		8.4098

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.5574					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0297		282.0721
Total	13.5871	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0297		282.0721

3.7 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	3.5800e-003	5.1200e-003	0.0468	1.0000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	6.0000e-005	2.5700e-003		8.4008	8.4008	4.3000e-004			8.4098
Total	3.5800e-003	5.1200e-003	0.0468	1.0000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	6.0000e-005	2.5700e-003		8.4008	8.4008	4.3000e-004			8.4098

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1875	1.6528	10.1257	0.0254	1.8753	0.0315	1.9068	0.5000	0.0291	0.5291		1,842.3196	1,842.3196	0.0601		1,843.5813
Unmitigated	1.1874	1.6520	10.1223	0.0254	1.8739	0.0315	1.9055	0.4996	0.0291	0.5287		1,841.1010	1,841.1010	0.0601		1,842.3620

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	576.16	546.52	265.59	812,458	813,026
Total	576.16	546.52	265.59	812,458	813,026

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
NaturalGas Unmitigated	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970

5.2 Energy by Land Use - NaturalGas
Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Strip Mall	88.6849	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
Total		9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Strip Mall	0.0886849	9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970
Total		9.6000e-004	8.6900e-003	7.3000e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4335	10.4335	2.0000e-004	1.9000e-004	10.4970

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Unmitigated	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0371					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Total	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0371					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003
Total	0.3155	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8500e-003	2.8500e-003	1.0000e-005		3.0000e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Alum Rock)
Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	500.00	1000sqft	11.65	500,000.00	0
Enclosed Parking with Elevator	2,150.00	Space	0.00	860,000.00	0
Apartments Mid Rise	275.00	Dwelling Unit	0.00	275,000.00	787
Strip Mall	20.00	1000sqft	0.00	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves - Assumed all fireplaces are gas-burning fireplaces in accordance with BAAQMD Regulation 6, Rule 3.

Construction Off-road Equipment Mitigation - Watering twice per day and using Tier IV

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	50.00
tblFireplaces	FireplaceDayYear	4.29	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	92.40	0.00
tblFireplaces	NumberGas	151.25	275.00
tblFireplaces	NumberNoFireplace	85.25	0.00
tblFireplaces	NumberWood	38.50	0.00
tblLandUse	LotAcreage	11.48	11.65
tblLandUse	LotAcreage	19.35	0.00
tblLandUse	LotAcreage	7.24	0.00
tblLandUse	LotAcreage	0.46	0.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblWoodstoves	WoodstoveDayYear	10.82	0.00
tblWoodstoves	WoodstoveWoodMass	954.80	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.9764	7.0018	9.5635	0.0180	1.0517	0.3011	1.3528	0.3281	0.2807	0.6088	0.0000	1,488.6059	1,488.6059	0.1337	0.0000	1,491.4145
2018	9.5291	2.5899	4.2034	8.8900e-003	0.4475	0.1059	0.5534	0.1207	0.0992	0.2200	0.0000	710.1326	710.1326	0.0524	0.0000	711.2334
Total	10.5056	9.5918	13.7670	0.0269	1.4992	0.4070	1.9062	0.4488	0.3799	0.8287	0.0000	2,198.7385	2,198.7385	0.1862	0.0000	2,202.6479

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.5611	2.9346	9.1199	0.0180	0.9305	0.0447	0.9752	0.2711	0.0416	0.3128	0.0000	1,488.6054	1,488.6054	0.1337	0.0000	1,491.4140
2018	9.3919	1.3317	4.2211	8.8900e-003	0.4475	0.0205	0.4680	0.1207	0.0191	0.1398	0.0000	710.1324	710.1324	0.0524	0.0000	711.2333
Total	9.9531	4.2662	13.3410	0.0269	1.3780	0.0652	1.4432	0.3919	0.0607	0.4526	0.0000	2,198.7379	2,198.7379	0.1862	0.0000	2,202.6473

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.26	55.52	3.09	0.00	8.09	83.97	24.29	12.70	84.02	45.39	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Area	7.4403	0.0237	2.0644	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3831	3.3831	3.3200e-003	0.0000		3.4528
Energy	0.0588	0.5275	0.4004	3.2000e-003		0.0406	0.0406		0.0406	0.0406	0.0000	5,484.7071	5,484.7071	0.2329	0.0565		5,507.1216
Mobile	2.5739	4.4844	24.1701	0.0788	5.6684	0.0928	5.7612	1.5155	0.0857	1.6012	0.0000	5,186.4311	5,186.4311	0.1620	0.0000		5,189.8337
Waste						0.0000	0.0000		0.0000	0.0000	124.3320	0.0000	124.3320	7.3478	0.0000		278.6360
Water						0.0000	0.0000		0.0000	0.0000	34.3477	238.3066	272.6543	3.5386	0.0855		373.4793
Total	10.0730	5.0356	26.6349	0.0821	5.6684	0.1448	5.8132	1.5155	0.1377	1.6532	158.6797	10,912.8279	11,071.5076	11.2846	0.1421		11,352.5234

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.4403	0.0237	2.0644	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3831	3.3831	3.3200e-003	0.0000	3.4528
Energy	0.0588	0.5275	0.4004	3.2000e-003		0.0406	0.0406		0.0406	0.0406	0.0000	5,484.7071	5,484.7071	0.2329	0.0565	5,507.1216
Mobile	2.5739	4.4844	24.1701	0.0788	5.6684	0.0928	5.7612	1.5155	0.0857	1.6012	0.0000	5,186.4311	5,186.4311	0.1620	0.0000	5,189.8337
Waste						0.0000	0.0000		0.0000	0.0000	124.3320	0.0000	124.3320	7.3478	0.0000	278.6360
Water						0.0000	0.0000		0.0000	0.0000	34.3477	238.3066	272.6543	3.5380	0.0854	373.4245
Total	10.0730	5.0356	26.6349	0.0821	5.6684	0.1448	5.8132	1.5155	0.1377	1.6532	158.6797	10,912.8279	11,071.5076	11.2840	0.1419	11,352.4686

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/10/2017	5	10	
3	Grading	Grading	2/11/2017	3/24/2017	5	30	
4	Build Construction	Building Construction	3/25/2017	5/18/2018	5	300	
5	Paving	Paving	5/19/2018	6/15/2018	5	20	
6	Architectural Coating	Architectural Coating	6/16/2018	8/24/2018	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

**Residential Indoor: 556,875; Residential Outdoor: 185,625; Non-Residential Indoor: 2,070,000; Non-Residential Outdoor: 690,000
(Architectural Coating – sqft)**

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Build Construction	Cranes	1	7.00	226	0.29
Build Construction	Forklifts	3	8.00	89	0.20
Build Construction	Generator Sets	1	8.00	84	0.74
Build Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Build Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Build Construction	9	726.00	256.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	145.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0405	0.4270	0.3389	4.0000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	36.6182	36.6182	0.0101	0.0000	36.8292
Total	0.0405	0.4270	0.3389	4.0000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	36.6182	36.6182	0.0101	0.0000	36.8292

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586
Total	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.7400e-003	0.0205	0.2383	4.0000e-004		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004	0.0000	36.6182	36.6182	0.0101	0.0000	36.8291
Total	4.7400e-003	0.0205	0.2383	4.0000e-004		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004	0.0000	36.6182	36.6182	0.0101	0.0000	36.8291

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586
Total	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0242	0.2588	0.1970	2.0000e-004		0.0138	0.0138		0.0127	0.0127	0.0000	18.1577	18.1577	5.5600e-003	0.0000	18.2745
Total	0.0242	0.2588	0.1970	2.0000e-004	0.0903	0.0138	0.1041	0.0497	0.0127	0.0623	0.0000	18.1577	18.1577	5.5600e-003	0.0000	18.2745

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	4.2000e-004	4.0900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6944	0.6944	4.0000e-005	0.0000	0.6952
Total	3.0000e-004	4.2000e-004	4.0900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6944	0.6944	4.0000e-005	0.0000	0.6952

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0407	0.0000	0.0407	0.0223	0.0000	0.0223	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3800e-003	0.0103	0.1062	2.0000e-004		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	18.1577	18.1577	5.5600e-003	0.0000	18.2745
Total	2.3800e-003	0.0103	0.1062	2.0000e-004	0.0407	3.2000e-004	0.0410	0.0223	3.2000e-004	0.0227	0.0000	18.1577	18.1577	5.5600e-003	0.0000	18.2745

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	4.2000e-004	4.0900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6944	0.6944	4.0000e-005	0.0000	0.6952
Total	3.0000e-004	4.2000e-004	4.0900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6944	0.6944	4.0000e-005	0.0000	0.6952

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0915	1.0439	0.7021	9.3000e-004		0.0498	0.0498		0.0458	0.0458	0.0000	85.9109	85.9109	0.0263	0.0000	86.4637
Total	0.0915	1.0439	0.7021	9.3000e-004	0.1301	0.0498	0.1799	0.0540	0.0458	0.0997	0.0000	85.9109	85.9109	0.0263	0.0000	86.4637

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-003	1.4100e-003	0.0136	3.0000e-005	2.7300e-003	2.0000e-005	2.7500e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.3147	2.3147	1.2000e-004	0.0000	2.3172
Total	1.0000e-003	1.4100e-003	0.0136	3.0000e-005	2.7300e-003	2.0000e-005	2.7500e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.3147	2.3147	1.2000e-004	0.0000	2.3172

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0586	0.0000	0.0586	0.0243	0.0000	0.0243	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.0492	0.5217	9.3000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	85.9108	85.9108	0.0263	0.0000	86.4636
Total	0.0114	0.0492	0.5217	9.3000e-004	0.0586	1.5100e-003	0.0601	0.0243	1.5100e-003	0.0258	0.0000	85.9108	85.9108	0.0263	0.0000	86.4636

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-003	1.4100e-003	0.0136	3.0000e-005	2.7300e-003	2.0000e-005	2.7500e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.3147	2.3147	1.2000e-004	0.0000	2.3172
Total	1.0000e-003	1.4100e-003	0.0136	3.0000e-005	2.7300e-003	2.0000e-005	2.7500e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.3147	2.3147	1.2000e-004	0.0000	2.3172

3.5 Build Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3102	2.6406	1.8129	2.6800e-003		0.1781	0.1781		0.1673	0.1673	0.0000	239.4791	239.4791	0.0589	0.0000	240.7169
Total	0.3102	2.6406	1.8129	2.6800e-003		0.1781	0.1781		0.1673	0.1673	0.0000	239.4791	239.4791	0.0589	0.0000	240.7169

3.5 Build Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2663	2.2886	3.1893	6.0800e-003	0.1653	0.0331	0.1984	0.0474	0.0304	0.0779	0.0000	544.1165	544.1165	4.2200e-003	0.0000	544.2051
Worker	0.2420	0.3405	3.2988	7.6500e-003	0.6610	5.0500e-003	0.6660	0.1758	4.6500e-003	0.1804	0.0000	560.1571	560.1571	0.0284	0.0000	560.7543
Total	0.5082	2.6291	6.4881	0.0137	0.8263	0.0382	0.8645	0.2232	0.0351	0.2583	0.0000	1,104.2735	1,104.2735	0.0327	0.0000	1,104.9594

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0327	0.2229	1.7411	2.6800e-003		4.0600e-003	4.0600e-003		4.0600e-003	4.0600e-003	0.0000	239.4788	239.4788	0.0589	0.0000	240.7166
Total	0.0327	0.2229	1.7411	2.6800e-003		4.0600e-003	4.0600e-003		4.0600e-003	4.0600e-003	0.0000	239.4788	239.4788	0.0589	0.0000	240.7166

3.5 Build Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2663	2.2886	3.1893	6.0800e-003	0.1653	0.0331	0.1984	0.0474	0.0304	0.0779	0.0000	544.1165	544.1165	4.2200e-003	0.0000	544.2051
Worker	0.2420	0.3405	3.2988	7.6500e-003	0.6610	5.0500e-003	0.6660	0.1758	4.6500e-003	0.1804	0.0000	560.1571	560.1571	0.0284	0.0000	560.7543
Total	0.5082	2.6291	6.4881	0.0137	0.8263	0.0382	0.8645	0.2232	0.0351	0.2583	0.0000	1,104.2735	1,104.2735	0.0327	0.0000	1,104.9594

3.5 Build Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1334	1.1630	0.8766	1.3400e-003		0.0747	0.0747		0.0702	0.0702	0.0000	118.3848	118.3848	0.0290	0.0000	118.9932
Total	0.1334	1.1630	0.8766	1.3400e-003		0.0747	0.0747		0.0702	0.0702	0.0000	118.3848	118.3848	0.0290	0.0000	118.9932

3.5 Build Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1205	1.0359	1.5020	3.0300e-003	0.0827	0.0153	0.0980	0.0237	0.0141	0.0378	0.0000	267.3036	267.3036	2.0700e-003	0.0000	267.3471
Worker	0.1087	0.1533	1.4796	3.8300e-003	0.3305	2.4400e-003	0.3329	0.0879	2.2600e-003	0.0902	0.0000	269.6502	269.6502	0.0131	0.0000	269.9246
Total	0.2292	1.1892	2.9816	6.8600e-003	0.4132	0.0178	0.4309	0.1116	0.0164	0.1279	0.0000	536.9538	536.9538	0.0151	0.0000	537.2717

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0163	0.1114	0.8706	1.3400e-003		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	118.3847	118.3847	0.0290	0.0000	118.9931
Total	0.0163	0.1114	0.8706	1.3400e-003		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	118.3847	118.3847	0.0290	0.0000	118.9931

3.5 Build Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1205	1.0359	1.5020	3.0300e-003	0.0827	0.0153	0.0980	0.0237	0.0141	0.0378	0.0000	267.3036	267.3036	2.0700e-003	0.0000	267.3471
Worker	0.1087	0.1533	1.4796	3.8300e-003	0.3305	2.4400e-003	0.3329	0.0879	2.2600e-003	0.0902	0.0000	269.6502	269.6502	0.0131	0.0000	269.9246
Total	0.2292	1.1892	2.9816	6.8600e-003	0.4132	0.0178	0.4309	0.1116	0.0164	0.1279	0.0000	536.9538	536.9538	0.0151	0.0000	537.2717

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0161	0.1716	0.1449	2.2000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0161	0.1716	0.1449	2.2000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	6.3000e-004	6.1100e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1143	1.1143	5.0000e-005	0.0000	1.1154
Total	4.5000e-004	6.3000e-004	6.1100e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1143	1.1143	5.0000e-005	0.0000	1.1154

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7500e-003	0.0119	0.1693	2.2000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.7500e-003	0.0119	0.1693	2.2000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	6.3000e-004	6.1100e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1143	1.1143	5.0000e-005	0.0000	1.1154
Total	4.5000e-004	6.3000e-004	6.1100e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1143	1.1143	5.0000e-005	0.0000	1.1154

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	9.1317					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4700e-003	0.0501	0.0464	7.0000e-005		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	6.3832	6.3832	6.1000e-004	0.0000	6.3959
Total	9.1391	0.0501	0.0464	7.0000e-005		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	6.3832	6.3832	6.1000e-004	0.0000	6.3959

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0109	0.0153	0.1478	3.8000e-004	0.0330	2.4000e-004	0.0333	8.7800e-003	2.3000e-004	9.0000e-003	0.0000	26.9279	26.9279	1.3100e-003	0.0000	26.9553
Total	0.0109	0.0153	0.1478	3.8000e-004	0.0330	2.4000e-004	0.0333	8.7800e-003	2.3000e-004	9.0000e-003	0.0000	26.9279	26.9279	1.3100e-003	0.0000	26.9553

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	9.1317					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4000e-004	3.2200e-003	0.0458	7.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	6.3831	6.3831	6.1000e-004	0.0000	6.3959
Total	9.1324	3.2200e-003	0.0458	7.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	6.3831	6.3831	6.1000e-004	0.0000	6.3959

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0109	0.0153	0.1478	3.8000e-004	0.0330	2.4000e-004	0.0333	8.7800e-003	2.3000e-004	9.0000e-003	0.0000	26.9279	26.9279	1.3100e-003	0.0000	26.9553
Total	0.0109	0.0153	0.1478	3.8000e-004	0.0330	2.4000e-004	0.0333	8.7800e-003	2.3000e-004	9.0000e-003	0.0000	26.9279	26.9279	1.3100e-003	0.0000	26.9553

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.5739	4.4844	24.1701	0.0788	5.6684	0.0928	5.7612	1.5155	0.0857	1.6012	0.0000	5,186.4311	5,186.4311	0.1620	0.0000	5,189.8337
Unmitigated	2.5739	4.4844	24.1701	0.0788	5.6684	0.0928	5.7612	1.5155	0.0857	1.6012	0.0000	5,186.4311	5,186.4311	0.1620	0.0000	5,189.8337

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,812.25	1,969.00	1669.25	4,049,990	4,049,990
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	5,505.00	1,185.00	490.00	9,968,683	9,968,683
Strip Mall	886.40	840.80	408.60	1,249,935	1,249,935
Total	8,203.65	3,994.80	2,567.85	15,268,608	15,268,608

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,903.3139	4,903.3139	0.2217	0.0459	4,922.1902
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,903.3139	4,903.3139	0.2217	0.0459	4,922.1902
NaturalGas Mitigated	0.0588	0.5275	0.4004	3.2000e-003		0.0406	0.0406		0.0406	0.0406	0.0000	581.3931	581.3931	0.0111	0.0107	584.9314
NaturalGas Unmitigated	0.0588	0.5275	0.4004	3.2000e-003		0.0406	0.0406		0.0406	0.0406	0.0000	581.3931	581.3931	0.0111	0.0107	584.9314

5.2 Energy by Land Use - NaturalGas
Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.2351e+006	0.0121	0.1030	0.0438	6.6000e-004		8.3300e-003	8.3300e-003		8.3300e-003	8.3300e-003	0.0000	119.2732	119.2732	2.2900e-003	2.1900e-003	119.9991
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	8.61e+006	0.0464	0.4221	0.3545	2.5300e-003		0.0321	0.0321		0.0321	0.0321	0.0000	459.4624	459.4624	8.8100e-003	8.4200e-003	462.2586
Strip Mall	49800	2.7000e-004	2.4400e-003	2.0500e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.6575	2.6575	5.0000e-005	5.0000e-005	2.6737
Total		0.0588	0.5275	0.4004	3.2000e-003		0.0406	0.0406		0.0406	0.0406	0.0000	581.3931	581.3931	0.0112	0.0107	584.9314

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	tons/yr										MT/yr						
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	8.61e+006	0.0464	0.4221	0.3545	2.5300e-003		0.0321	0.0321		0.0321	0.0321	0.0000	459.4624	459.4624	8.8100e-003	8.4200e-003	462.2586	
Strip Mall	49800	2.7000e-004	2.4400e-003	2.0500e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.6575	2.6575	5.0000e-005	5.0000e-005	2.6737	
Apartments Mid Rise	2.2351e+006	0.0121	0.1030	0.0438	6.6000e-004		8.3300e-003	8.3300e-003		8.3300e-003	8.3300e-003	0.0000	119.2732	119.2732	2.2900e-003	2.1900e-003	119.9991	
Total		0.0588	0.5275	0.4004	3.2000e-003		0.0406	0.0406		0.0406	0.0406	0.0000	581.3931	581.3931	0.0112	0.0107	584.9314	

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	969804	282.1271	0.0128	2.6400e-003	283.2132
Enclosed Parking with Elevator	5.7964e+006	1,686.2392	0.0763	0.0158	1,692.7307
General Office Building	9.855e+006	2,866.9325	0.1296	0.0268	2,877.9693
Strip Mall	233800	68.0151	3.0800e-003	6.4000e-004	68.2769
Total		4,903.3139	0.2217	0.0459	4,922.1902

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	969804	282.1271	0.0128	2.6400e-003	283.2132
Enclosed Parking with Elevator	5.7964e+006	1,686.2392	0.0763	0.0158	1,692.7307
General Office Building	9.855e+006	2,866.9325	0.1296	0.0268	2,877.9693
Strip Mall	233800	68.0151	3.0800e-003	6.4000e-004	68.2769
Total		4,903.3139	0.2217	0.0459	4,922.1902

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.4403	0.0237	2.0644	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3831	3.3831	3.3200e-003	0.0000	3.4528
Unmitigated	7.4403	0.0237	2.0644	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3831	3.3831	3.3200e-003	0.0000	3.4528

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.9132					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.4636					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0635	0.0237	2.0644	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3831	3.3831	3.3200e-003	0.0000	3.4528
Total	7.4403	0.0237	2.0644	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3831	3.3831	3.3200e-003	0.0000	3.4528

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.9132					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.4636					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0635	0.0237	2.0644	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3831	3.3831	3.3200e-003	0.0000	3.4528
Total	7.4403	0.0237	2.0644	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3831	3.3831	3.3200e-003	0.0000	3.4528

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	272.6543	3.5380	0.0854	373.4245
Unmitigated	272.6543	3.5386	0.0855	373.4793

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	17.9174 / 11.2957	45.3897	0.5856	0.0142	62.0766
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	88.8669 / 54.4668	223.5382	2.9046	0.0702	306.2966
Strip Mall	1.48145 / 0.907986	3.7265	0.0484	1.1700e-003	5.1061
Total		272.6543	3.5386	0.0855	373.4793

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	17.9174 / 11.2957	45.3897	0.5855	0.0141	62.0676
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	88.8669 / 54.4668	223.5382	2.9040	0.0701	306.2516
Strip Mall	1.48145 / 0.907986	3.7265	0.0484	1.1700e-003	5.1054
Total		272.6543	3.5380	0.0854	373.4245

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	124.3320	7.3478	0.0000	278.6360
Unmitigated	124.3320	7.3478	0.0000	278.6360

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	126.5	25.6784	1.5176	0.0000	57.5469
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	465	94.3908	5.5783	0.0000	211.5359
Strip Mall	21	4.2628	0.2519	0.0000	9.5532
Total		124.3320	7.3478	0.0000	278.6359

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	126.5	25.6784	1.5176	0.0000	57.5469
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	465	94.3908	5.5783	0.0000	211.5359
Strip Mall	21	4.2628	0.2519	0.0000	9.5532
Total		124.3320	7.3478	0.0000	278.6359

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Alum Rock)
Santa Clara County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	500.00	1000sqft	11.65	500,000.00	0
Enclosed Parking with Elevator	2,150.00	Space	0.00	860,000.00	0
Apartments Mid Rise	275.00	Dwelling Unit	0.00	275,000.00	787
Strip Mall	20.00	1000sqft	0.00	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves - Assumed all fireplaces are gas-burning fireplaces in accordance with BAAQMD Regulation 6, Rule 3.

Construction Off-road Equipment Mitigation - Watering twice per day and using Tier IV

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	50.00
tblFireplaces	FireplaceDayYear	4.29	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	92.40	0.00
tblFireplaces	NumberGas	151.25	275.00
tblFireplaces	NumberNoFireplace	85.25	0.00
tblFireplaces	NumberWood	38.50	0.00
tblLandUse	LotAcreage	11.48	11.65
tblLandUse	LotAcreage	19.35	0.00
tblLandUse	LotAcreage	7.24	0.00
tblLandUse	LotAcreage	0.46	0.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblWoodstoves	WoodstoveDayYear	10.82	0.00
tblWoodstoves	WoodstoveWoodMass	954.80	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	8.1526	69.6757	79.0624	0.1700	18.2360	3.3186	20.9915	9.9757	3.0531	12.5107	0.0000	15,291.37 27	15,291.37 27	1.9430	0.0000	15,332.17 65
2018	366.0384	46.0649	73.0817	0.1698	8.5485	1.8484	10.3968	2.3018	1.7307	4.0325	0.0000	14,909.91 64	14,909.91 64	0.9720	0.0000	14,930.32 84
Total	374.1909	115.7406	152.1442	0.3398	26.7845	5.1669	31.3883	12.2775	4.7838	16.5432	0.0000	30,201.28 91	30,201.28 91	2.9150	0.0000	30,262.50 49

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	5.3767	27.4286	78.3443	0.1700	8.5489	0.4207	8.9695	4.5138	0.3902	4.5784	0.0000	15,291.37 27	15,291.37 27	1.9430	0.0000	15,332.17 65
2018	365.7694	25.0329	72.9601	0.1698	8.5485	0.3947	8.9431	2.3018	0.3665	2.6683	0.0000	14,909.91 64	14,909.91 64	0.9720	0.0000	14,930.32 84
Total	371.1461	52.4615	151.3044	0.3398	17.0973	0.8154	17.9127	6.8157	0.7567	7.2467	0.0000	30,201.28 91	30,201.28 91	2.9150	0.0000	30,262.50 49

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.81	54.67	0.55	0.00	36.17	84.22	42.93	44.49	84.18	56.20	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897
Energy	0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6504	3,511.6504	0.0673	0.0644	3,533.0218
Mobile	18.1691	28.6271	159.2944	0.5684	39.9499	0.6308	40.5807	10.6512	0.5824	11.2337		41,111.8566	41,111.8566	1.2154		41,137.3791
Total	59.6173	31.7810	184.4266	0.5872	39.9499	0.9799	40.9298	10.6512	0.9316	11.5828	0.0000	44,664.9433	44,664.9433	1.3233	0.0644	44,712.6906

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897
Energy	0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6504	3,511.6504	0.0673	0.0644	3,533.0218
Mobile	18.1691	28.6271	159.2944	0.5684	39.9499	0.6308	40.5807	10.6512	0.5824	11.2337		41,111.8566	41,111.8566	1.2154		41,137.3791
Total	59.6173	31.7810	184.4266	0.5872	39.9499	0.9799	40.9298	10.6512	0.9316	11.5828	0.0000	44,664.9433	44,664.9433	1.3233	0.0644	44,712.6906

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/10/2017	5	10	
3	Grading	Grading	2/11/2017	3/24/2017	5	30	
4	Build Construction	Building Construction	3/25/2017	5/18/2018	5	300	
5	Paving	Paving	5/19/2018	6/15/2018	5	20	
6	Architectural Coating	Architectural Coating	6/16/2018	8/24/2018	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 556,875; Residential Outdoor: 185,625; Non-Residential Indoor: 2,070,000; Non-Residential Outdoor: 690,000
(Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Build Construction	Cranes	1	7.00	226	0.29
Build Construction	Forklifts	3	8.00	89	0.20
Build Construction	Generator Sets	1	8.00	84	0.74
Build Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Build Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Build Construction	9	726.00	256.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	145.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003		137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003		137.2087

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4739	2.0535	23.8257	0.0399		0.0632	0.0632		0.0632	0.0632	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211
Total	0.4739	2.0535	23.8257	0.0399		0.0632	0.0632		0.0632	0.0632	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000				0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265			4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265			4,028.8432

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003		164.6504
Total	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003		164.6504

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.4757	2.0615	21.2415	0.0391		0.0634	0.0634		0.0634	0.0634	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	0.4757	2.0615	21.2415	0.0391	8.1298	0.0634	8.1933	4.4688	0.0634	4.5322	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003			164.6504
Total	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003			164.6504

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518		6,313.3690	6,313.3690	1.9344		6,353.9915
Total	6.0991	69.5920	46.8050	0.0617	8.6733	3.3172	11.9905	3.5965	3.0518	6.6483		6,313.3690	6,313.3690	1.9344		6,353.9915

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0722	0.0837	0.9815	2.2700e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		182.7636	182.7636	8.6400e-003			182.9449
Total	0.0722	0.0837	0.9815	2.2700e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		182.7636	182.7636	8.6400e-003			182.9449

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000				0.0000
Off-Road	0.7564	3.2778	34.7787	0.0617		0.1009	0.1009		0.1009	0.1009	0.0000	6,313.3690	6,313.3690	1.9344			6,353.9915
Total	0.7564	3.2778	34.7787	0.0617	3.9030	0.1009	4.0039	1.6184	0.1009	1.7193	0.0000	6,313.3690	6,313.3690	1.9344			6,353.9915

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0722	0.0837	0.9815	2.2700e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		182.7636	182.7636	8.6400e-003			182.9449
Total	0.0722	0.0837	0.9815	2.2700e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		182.7636	182.7636	8.6400e-003			182.9449

3.5 Build Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Build Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.4287	22.1626	25.3039	0.0609	1.7025	0.3296	2.0321	0.4862	0.3031	0.7892		6,017.250 2	6,017.250 2	0.0460			6,018.216 5
Worker	2.6215	3.0371	35.6294	0.0823	6.8464	0.0505	6.8969	1.8158	0.0465	1.8623		6,634.317 1	6,634.317 1	0.3135			6,640.900 2
Total	5.0502	25.1997	60.9333	0.1432	8.5489	0.3801	8.9289	2.3020	0.3496	2.6516		12,651.56 73	12,651.56 73	0.3595			12,659.11 67

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,639.805 3	2,639.805 3	0.6497			2,653.449 0
Total	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,639.805 3	2,639.805 3	0.6497			2,653.449 0

3.5 Build Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.4287	22.1626	25.3039	0.0609	1.7025	0.3296	2.0321	0.4862	0.3031	0.7892		6,017.250 2	6,017.250 2	0.0460			6,018.216 5
Worker	2.6215	3.0371	35.6294	0.0823	6.8464	0.0505	6.8969	1.8158	0.0465	1.8623		6,634.317 1	6,634.317 1	0.3135			6,640.900 2
Total	5.0502	25.1997	60.9333	0.1432	8.5489	0.3801	8.9289	2.3020	0.3496	2.6516		12,651.56 73	12,651.56 73	0.3595			12,659.11 67

3.5 Build Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.939 0	2,609.939 0	0.6387			2,623.351 7
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.939 0	2,609.939 0	0.6387			2,623.351 7

3.5 Build Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.2110	20.0695	23.4455	0.0608	1.7021	0.3053	2.0073	0.4860	0.2807	0.7667		5,912.1419	5,912.1419	0.0452			5,913.0904
Worker	2.3670	2.7346	32.1035	0.0823	6.8464	0.0488	6.8952	1.8158	0.0452	1.8610		6,387.8356	6,387.8356	0.2881			6,393.8863
Total	4.5780	22.8041	55.5491	0.1430	8.5485	0.3541	8.9025	2.3018	0.3259	2.6277		12,299.9775	12,299.9775	0.3333			12,306.9767

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517
Total	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517

3.5 Build Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.2110	20.0695	23.4455	0.0608	1.7021	0.3053	2.0073	0.4860	0.2807	0.7667		5,912.1419	5,912.1419	0.0452			5,913.0904
Worker	2.3670	2.7346	32.1035	0.0823	6.8464	0.0488	6.8952	1.8158	0.0452	1.8610		6,387.8356	6,387.8356	0.2881			6,393.8863
Total	4.5780	22.8041	55.5491	0.1430	8.5485	0.3541	8.9025	2.3018	0.3259	2.6277		12,299.9775	12,299.9775	0.3333			12,306.9767

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990			2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990			2,259.9481

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0489	0.0565	0.6633	1.7000e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		131.9801	131.9801	5.9500e-003			132.1051
Total	0.0489	0.0565	0.6633	1.7000e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		131.9801	131.9801	5.9500e-003			132.1051

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2745	1.1895	16.9276	0.0223		0.0366	0.0366		0.0366	0.0366	0.0000	2,245.2695	2,245.2695	0.6990			2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.2745	1.1895	16.9276	0.0223		0.0366	0.0366		0.0366	0.0366	0.0000	2,245.2695	2,245.2695	0.6990			2,259.9481

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0489	0.0565	0.6633	1.7000e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		131.9801	131.9801	5.9500e-003			132.1051
Total	0.0489	0.0565	0.6633	1.7000e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		131.9801	131.9801	5.9500e-003			132.1051

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	365.2670					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102
Total	365.5656	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.4728	0.5462	6.4119	0.0164	1.3674	9.7500e-003	1.3772	0.3627	9.0200e-003	0.3717		1,275.8074	1,275.8074	0.0576			1,277.0159
Total	0.4728	0.5462	6.4119	0.0164	1.3674	9.7500e-003	1.3772	0.3627	9.0200e-003	0.3717		1,275.8074	1,275.8074	0.0576			1,277.0159

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	365.2670					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4485	281.4485	0.0267			282.0102
Total	365.2967	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4728	0.5462	6.4119	0.0164	1.3674	9.7500e-003	1.3772	0.3627	9.0200e-003	0.3717		1,275.8074	1,275.8074	0.0576		1,277.0159
Total	0.4728	0.5462	6.4119	0.0164	1.3674	9.7500e-003	1.3772	0.3627	9.0200e-003	0.3717		1,275.8074	1,275.8074	0.0576		1,277.0159

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.1691	28.6271	159.2944	0.5684	39.9499	0.6308	40.5807	10.6512	0.5824	11.2337		41,111.8566	41,111.8566	1.2154		41,137.3791
Unmitigated	18.1691	28.6271	159.2944	0.5684	39.9499	0.6308	40.5807	10.6512	0.5824	11.2337		41,111.8566	41,111.8566	1.2154		41,137.3791

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,812.25	1,969.00	1669.25	4,049,990	4,049,990
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	5,505.00	1,185.00	490.00	9,968,683	9,968,683
Strip Mall	886.40	840.80	408.60	1,249,935	1,249,935
Total	8,203.65	3,994.80	2,567.85	15,268,608	15,268,608

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6504	3,511.6504	0.0673	0.0644	3,533.0218
NaturalGas Unmitigated	0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6504	3,511.6504	0.0673	0.0644	3,533.0218

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	6123.55	0.0660	0.5643	0.2401	3.6000e-003		0.0456	0.0456		0.0456	0.0456		720.4176	720.4176	0.0138	0.0132	724.8019
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	23589	0.2544	2.3127	1.9426	0.0139		0.1758	0.1758		0.1758	0.1758		2,775.1813	2,775.1813	0.0532	0.0509	2,792.0706
Strip Mall	136.438	1.4700e-003	0.0134	0.0112	8.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003		16.0516	16.0516	3.1000e-004	2.9000e-004	16.1493
Total		0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6505	3,511.6505	0.0673	0.0644	3,533.0218

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	23.589	0.2544	2.3127	1.9426	0.0139		0.1758	0.1758		0.1758	0.1758		2,775.1813	2,775.1813	0.0532	0.0509	2,792.0706
Strip Mall	0.136438	1.4700e-003	0.0134	0.0112	8.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003		16.0516	16.0516	3.1000e-004	2.9000e-004	16.1493
Apartments Mid Rise	6.12355	0.0660	0.5643	0.2401	3.6000e-003		0.0456	0.0456		0.0456	0.0456		720.4176	720.4176	0.0138	0.0132	724.8019
Total		0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6505	3,511.6505	0.0673	0.0644	3,533.0218

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897
Unmitigated	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.0037					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.4170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.7056	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267		41.4362	41.4362	0.0406		42.2897
Total	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.0037					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.4170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.7056	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267		41.4362	41.4362	0.0406		42.2897
Total	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Alum Rock)
Santa Clara County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	500.00	1000sqft	11.65	500,000.00	0
Enclosed Parking with Elevator	2,150.00	Space	0.00	860,000.00	0
Apartments Mid Rise	275.00	Dwelling Unit	0.00	275,000.00	787
Strip Mall	20.00	1000sqft	0.00	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves - Assumed all fireplaces are gas-burning fireplaces in accordance with BAAQMD Regulation 6, Rule 3.

Construction Off-road Equipment Mitigation - Watering twice per day and using Tier IV

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	50.00
tblFireplaces	FireplaceDayYear	4.29	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	92.40	0.00
tblFireplaces	NumberGas	151.25	275.00
tblFireplaces	NumberNoFireplace	85.25	0.00
tblFireplaces	NumberWood	38.50	0.00
tblLandUse	LotAcreage	11.48	11.65
tblLandUse	LotAcreage	19.35	0.00
tblLandUse	LotAcreage	7.24	0.00
tblLandUse	LotAcreage	0.46	0.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblWoodstoves	WoodstoveDayYear	10.82	0.00
tblWoodstoves	WoodstoveWoodMass	954.80	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	8.6487	69.6943	90.5757	0.1631	18.2360	3.3186	20.9915	9.9757	3.0531	12.5107	0.0000	14,709.83 21	14,709.83 21	1.9430	0.0000	14,750.63 59
2018	366.0308	47.5657	84.4436	0.1629	8.5485	1.8514	10.3999	2.3018	1.7335	4.0353	0.0000	14,348.36 32	14,348.36 32	0.9732	0.0000	14,368.80 13
Total	374.6794	117.2600	175.0192	0.3259	26.7845	5.1700	31.3913	12.2775	4.7866	16.5461	0.0000	29,058.19 53	29,058.19 53	2.9163	0.0000	29,119.43 72

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	5.8728	29.1006	89.8575	0.1631	8.5489	0.4240	8.9729	4.5138	0.3933	4.5784	0.0000	14,709.83 21	14,709.83 21	1.9430	0.0000	14,750.63 59
2018	365.7618	26.5337	84.3219	0.1629	8.5485	0.3977	8.9462	2.3018	0.3693	2.6711	0.0000	14,348.36 32	14,348.36 32	0.9732	0.0000	14,368.80 13
Total	371.6346	55.6343	174.1795	0.3259	17.0973	0.8218	17.9191	6.8157	0.7625	7.2496	0.0000	29,058.19 53	29,058.19 53	2.9163	0.0000	29,119.43 72

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.81	52.55	0.48	0.00	36.17	84.10	42.92	44.49	84.07	56.19	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897
Energy	0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6504	3,511.6504	0.0673	0.0644	3,533.0218
Mobile	18.6629	31.8205	179.4636	0.5313	39.9499	0.6332	40.5831	10.6512	0.5846	11.2359		38,567.1664	38,567.1664	1.2176		38,592.7353
Total	60.1111	34.9744	204.5959	0.5500	39.9499	0.9823	40.9322	10.6512	0.9338	11.5850	0.0000	42,120.2531	42,120.2531	1.3255	0.0644	42,168.0468

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897
Energy	0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6504	3,511.6504	0.0673	0.0644	3,533.0218
Mobile	18.6629	31.8205	179.4636	0.5313	39.9499	0.6332	40.5831	10.6512	0.5846	11.2359		38,567.1664	38,567.1664	1.2176		38,592.7353
Total	60.1111	34.9744	204.5959	0.5500	39.9499	0.9823	40.9322	10.6512	0.9338	11.5850	0.0000	42,120.2531	42,120.2531	1.3255	0.0644	42,168.0468

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/10/2017	5	10	
3	Grading	Grading	2/11/2017	3/24/2017	5	30	
4	Build Construction	Building Construction	3/25/2017	5/18/2018	5	300	
5	Paving	Paving	5/19/2018	6/15/2018	5	20	
6	Architectural Coating	Architectural Coating	6/16/2018	8/24/2018	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 556,875; Residential Outdoor: 185,625; Non-Residential Indoor: 2,070,000; Non-Residential Outdoor: 690,000
(Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Build Construction	Cranes	1	7.00	226	0.29
Build Construction	Forklifts	3	8.00	89	0.20
Build Construction	Generator Sets	1	8.00	84	0.74
Build Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Build Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Build Construction	9	726.00	256.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	145.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003		126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003		126.1474

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4739	2.0535	23.8257	0.0399		0.0632	0.0632		0.0632	0.0632	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211
Total	0.4739	2.0535	23.8257	0.0399		0.0632	0.0632		0.0632	0.0632	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003		126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003		126.1474

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265		4,028.8432

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003			151.3769
Total	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003			151.3769

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000	
Off-Road	0.4757	2.0615	21.2415	0.0391		0.0634	0.0634		0.0634	0.0634	0.0000	4,003.0859	4,003.0859	1.2265			4,028.8432
Total	0.4757	2.0615	21.2415	0.0391	8.1298	0.0634	8.1933	4.4688	0.0634	4.5322	0.0000	4,003.0859	4,003.0859	1.2265			4,028.8432

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769
Total	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518		6,313.3690	6,313.3690	1.9344		6,353.9915
Total	6.0991	69.5920	46.8050	0.0617	8.6733	3.3172	11.9905	3.5965	3.0518	6.6483		6,313.3690	6,313.3690	1.9344		6,353.9915

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0716	0.1023	0.9353	2.0800e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		168.0152	168.0152	8.6400e-003		168.1965
Total	0.0716	0.1023	0.9353	2.0800e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		168.0152	168.0152	8.6400e-003		168.1965

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	0.7564	3.2778	34.7787	0.0617		0.1009	0.1009		0.1009	0.1009	0.0000	6,313.3690	6,313.3690	1.9344		6,353.9915
Total	0.7564	3.2778	34.7787	0.0617	3.9030	0.1009	4.0039	1.6184	0.1009	1.7193	0.0000	6,313.3690	6,313.3690	1.9344		6,353.9915

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0716	0.1023	0.9353	2.0800e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		168.0152	168.0152	8.6400e-003			168.1965
Total	0.0716	0.1023	0.9353	2.0800e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		168.0152	168.0152	8.6400e-003			168.1965

3.5 Build Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Build Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.9479	23.1575	38.4940	0.0606	1.7025	0.3330	2.0354	0.4862	0.3062	0.7923		5,971.0768	5,971.0768	0.0472			5,972.0685
Worker	2.5984	3.7142	33.9526	0.0756	6.8464	0.0505	6.8969	1.8158	0.0465	1.8623		6,098.9500	6,098.9500	0.3135			6,105.5331
Total	5.5463	26.8717	72.4465	0.1363	8.5489	0.3834	8.9323	2.3020	0.3527	2.6547		12,070.0268	12,070.0268	0.3607			12,077.6015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490
Total	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Build Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.9479	23.1575	38.4940	0.0606	1.7025	0.3330	2.0354	0.4862	0.3062	0.7923		5,971.0768	5,971.0768	0.0472			5,972.0685
Worker	2.5984	3.7142	33.9526	0.0756	6.8464	0.0505	6.8969	1.8158	0.0465	1.8623		6,098.9500	6,098.9500	0.3135			6,105.5331
Total	5.5463	26.8717	72.4465	0.1363	8.5489	0.3834	8.9323	2.3020	0.3527	2.6547		12,070.0268	12,070.0268	0.3607			12,077.6015

3.5 Build Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517

3.5 Build Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.6489	20.9601	36.5562	0.0605	1.7021	0.3083	2.0104	0.4860	0.2835	0.7695		5,866.6498	5,866.6498	0.0464			5,867.6245
Worker	2.3290	3.3447	30.3547	0.0756	6.8464	0.0488	6.8952	1.8158	0.0452	1.8610		5,871.7744	5,871.7744	0.2881			5,877.8251
Total	4.9779	24.3048	66.9109	0.1361	8.5485	0.3571	8.9056	2.3018	0.3287	2.6305		11,738.4243	11,738.4243	0.3345			11,745.4496

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517
Total	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517

3.5 Build Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.6489	20.9601	36.5562	0.0605	1.7021	0.3083	2.0104	0.4860	0.2835	0.7695		5,866.6498	5,866.6498	0.0464			5,867.6245
Worker	2.3290	3.3447	30.3547	0.0756	6.8464	0.0488	6.8952	1.8158	0.0452	1.8610		5,871.7744	5,871.7744	0.2881			5,877.8251
Total	4.9779	24.3048	66.9109	0.1361	8.5485	0.3571	8.9056	2.3018	0.3287	2.6305		11,738.4243	11,738.4243	0.3345			11,745.4496

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990			2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990			2,259.9481

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0481	0.0691	0.6272	1.5600e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		121.3177	121.3177	5.9500e-003			121.4427
Total	0.0481	0.0691	0.6272	1.5600e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		121.3177	121.3177	5.9500e-003			121.4427

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2745	1.1895	16.9276	0.0223		0.0366	0.0366		0.0366	0.0366	0.0000	2,245.2695	2,245.2695	0.6990			2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.2745	1.1895	16.9276	0.0223		0.0366	0.0366		0.0366	0.0366	0.0000	2,245.2695	2,245.2695	0.6990			2,259.9481

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0481	0.0691	0.6272	1.5600e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		121.3177	121.3177	5.9500e-003			121.4427
Total	0.0481	0.0691	0.6272	1.5600e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		121.3177	121.3177	5.9500e-003			121.4427

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	365.2670					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102
Total	365.5656	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.4652	0.6680	6.0626	0.0151	1.3674	9.7500e-003	1.3772	0.3627	9.0200e-003	0.3717		1,172.7373	1,172.7373	0.0576			1,173.9458
Total	0.4652	0.6680	6.0626	0.0151	1.3674	9.7500e-003	1.3772	0.3627	9.0200e-003	0.3717		1,172.7373	1,172.7373	0.0576			1,173.9458

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	365.2670					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4485	281.4485	0.0267			282.0102
Total	365.2967	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4652	0.6680	6.0626	0.0151	1.3674	9.7500e-003	1.3772	0.3627	9.0200e-003	0.3717		1,172.7373	1,172.7373	0.0576		1,173.9458
Total	0.4652	0.6680	6.0626	0.0151	1.3674	9.7500e-003	1.3772	0.3627	9.0200e-003	0.3717		1,172.7373	1,172.7373	0.0576		1,173.9458

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.6629	31.8205	179.4636	0.5313	39.9499	0.6332	40.5831	10.6512	0.5846	11.2359		38,567.1664	38,567.1664	1.2176		38,592.7353
Unmitigated	18.6629	31.8205	179.4636	0.5313	39.9499	0.6332	40.5831	10.6512	0.5846	11.2359		38,567.1664	38,567.1664	1.2176		38,592.7353

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,812.25	1,969.00	1669.25	4,049,990	4,049,990
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	5,505.00	1,185.00	490.00	9,968,683	9,968,683
Strip Mall	886.40	840.80	408.60	1,249,935	1,249,935
Total	8,203.65	3,994.80	2,567.85	15,268,608	15,268,608

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6504	3,511.6504	0.0673	0.0644	3,533.0218
NaturalGas Unmitigated	0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6504	3,511.6504	0.0673	0.0644	3,533.0218

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	6123.55	0.0660	0.5643	0.2401	3.6000e-003		0.0456	0.0456		0.0456	0.0456		720.4176	720.4176	0.0138	0.0132	724.8019
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	23589	0.2544	2.3127	1.9426	0.0139		0.1758	0.1758		0.1758	0.1758		2,775.1813	2,775.1813	0.0532	0.0509	2,792.0706
Strip Mall	136.438	1.4700e-003	0.0134	0.0112	8.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003		16.0516	16.0516	3.1000e-004	2.9000e-004	16.1493
Total		0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6505	3,511.6505	0.0673	0.0644	3,533.0218

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	23.589	0.2544	2.3127	1.9426	0.0139		0.1758	0.1758		0.1758	0.1758		2,775.1813	2,775.1813	0.0532	0.0509	2,792.0706
Strip Mall	0.136438	1.4700e-003	0.0134	0.0112	8.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003		16.0516	16.0516	3.1000e-004	2.9000e-004	16.1493
Apartments Mid Rise	6.12355	0.0660	0.5643	0.2401	3.6000e-003		0.0456	0.0456		0.0456	0.0456		720.4176	720.4176	0.0138	0.0132	724.8019
Total		0.3219	2.8904	2.1940	0.0176		0.2224	0.2224		0.2224	0.2224		3,511.6505	3,511.6505	0.0673	0.0644	3,533.0218

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897
Unmitigated	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.0037					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.4170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.7056	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267		41.4362	41.4362	0.0406		42.2897
Total	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.0037					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.4170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.7056	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267		41.4362	41.4362	0.0406		42.2897
Total	41.1262	0.2636	22.9383	1.2200e-003		0.1267	0.1267		0.1267	0.1267	0.0000	41.4362	41.4362	0.0406	0.0000	42.2897

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Diridon Station) Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	640.00	1000sqft	4.45	640,000.00	0
Enclosed Parking Structure	400.00	Space	0.00	160,000.00	0
Strip Mall	72.00	1000sqft	0.00	72,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves -

Construction Off-road Equipment Mitigation - Watering twice per day, Tier IV

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	40.00
tblConstructionPhase	PhaseEndDate	3/24/2017	2/22/2017
tblLandUse	LotAcreage	14.69	4.45
tblLandUse	LotAcreage	3.60	0.00
tblLandUse	LotAcreage	1.65	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.7782	5.8018	6.5939	0.0111	0.4852	0.2902	0.7754	0.1505	0.2716	0.4222	0.0000	957.9755	957.9755	0.1021	0.0000	960.1192
2017	2.0720	0.2148	0.2108	3.6000e-004	0.0101	0.0127	0.0227	2.7000e-003	0.0118	0.0145	0.0000	30.7932	30.7932	5.8100e-003	0.0000	30.9153
Total	2.8501	6.0166	6.8048	0.0115	0.4953	0.3029	0.7981	0.1532	0.2834	0.4367	0.0000	988.7687	988.7687	0.1079	0.0000	991.0345

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.3642	2.0912	6.2816	0.0111	0.4459	0.0325	0.4784	0.1295	0.0303	0.1598	0.0000	957.9751	957.9751	0.1021	0.0000	960.1188
2017	2.0535	0.0293	0.2174	3.6000e-004	0.0101	5.9000e-004	0.0107	2.7000e-003	5.7000e-004	3.2700e-003	0.0000	30.7932	30.7932	5.8100e-003	0.0000	30.9153
Total	2.4177	2.1206	6.4990	0.0115	0.4560	0.0331	0.4891	0.1322	0.0309	0.1630	0.0000	988.7683	988.7683	0.1079	0.0000	991.0341

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	15.17	64.76	4.49	0.00	7.93	89.08	38.72	13.74	89.11	62.66	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.8612	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0199	0.0199	5.0000e-005	0.0000	0.0210
Energy	0.0604	0.5490	0.4612	3.2900e-003		0.0417	0.0417		0.0417	0.0417	0.0000	4,817.0821	4,817.0821	0.2022	0.0504	4,836.9629
Mobile	3.0724	5.1579	28.0993	0.0893	6.4075	0.1059	6.5134	1.7131	0.0978	1.8109	0.0000	5,879.7155	5,879.7155	0.1847	0.0000	5,883.5935
Waste						0.0000	0.0000		0.0000	0.0000	136.1663	0.0000	136.1663	8.0472	0.0000	305.1575
Water						0.0000	0.0000		0.0000	0.0000	37.7795	261.7648	299.5442	3.8922	0.0941	410.4416
Total	6.9940	5.7070	28.5707	0.0926	6.4075	0.1477	6.5552	1.7131	0.1396	1.8527	173.9458	10,958.5823	11,132.5281	12.3263	0.1445	11,436.1765

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.8612	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0199	0.0199	5.0000e-005	0.0000	0.0210
Energy	0.0604	0.5490	0.4612	3.2900e-003		0.0417	0.0417		0.0417	0.0417	0.0000	4,817.0821	4,817.0821	0.2022	0.0504	4,836.9629
Mobile	3.0724	5.1579	28.0993	0.0893	6.4075	0.1059	6.5134	1.7131	0.0978	1.8109	0.0000	5,879.7155	5,879.7155	0.1847	0.0000	5,883.5935
Waste						0.0000	0.0000		0.0000	0.0000	136.1663	0.0000	136.1663	8.0472	0.0000	305.1575
Water						0.0000	0.0000		0.0000	0.0000	37.7795	261.7648	299.5442	3.8914	0.0939	410.3813
Total	6.9940	5.7070	28.5707	0.0926	6.4075	0.1477	6.5552	1.7131	0.1396	1.8527	173.9458	10,958.5823	11,132.5281	12.3256	0.1444	11,436.1162

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.10	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/4/2016	5	5	
3	Grading	Grading	2/5/2016	2/16/2016	5	8	
4	Building Construction	Building Construction	2/17/2016	1/3/2017	5	230	
5	Paving	Paving	1/4/2017	1/27/2017	5	18	
6	Architectural Coating	Architectural Coating	1/28/2017	2/22/2017	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,308,000; Non-Residential Outdoor: 436,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	295.00	143.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	59.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0429	0.4566	0.3503	4.0000e-004		0.0229	0.0229		0.0214	0.0214	0.0000	37.0974	37.0974	0.0101	0.0000	37.3092
Total	0.0429	0.4566	0.3503	4.0000e-004		0.0229	0.0229		0.0214	0.0214	0.0000	37.0974	37.0974	0.0101	0.0000	37.3092

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	7.8000e-004	7.6300e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2034	1.2034	6.0000e-005	0.0000	1.2047
Total	5.6000e-004	7.8000e-004	7.6300e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2034	1.2034	6.0000e-005	0.0000	1.2047

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.7400e-003	0.0205	0.2383	4.0000e-004		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004	0.0000	37.0973	37.0973	0.0101	0.0000	37.3092
Total	4.7400e-003	0.0205	0.2383	4.0000e-004		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004	0.0000	37.0973	37.0973	0.0101	0.0000	37.3092

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	7.8000e-004	7.6300e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2034	1.2034	6.0000e-005	0.0000	1.2047
Total	5.6000e-004	7.8000e-004	7.6300e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2034	1.2034	6.0000e-005	0.0000	1.2047

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1366	0.1028	1.0000e-004		7.3500e-003	7.3500e-003		6.7600e-003	6.7600e-003	0.0000	9.2193	9.2193	2.7800e-003	0.0000	9.2777
Total	0.0127	0.1366	0.1028	1.0000e-004	0.0452	7.3500e-003	0.0525	0.0248	6.7600e-003	0.0316	0.0000	9.2193	9.2193	2.7800e-003	0.0000	9.2777

3.3 Site Preparation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614
Total	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0203	0.0000	0.0203	0.0112	0.0000	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1900e-003	5.1500e-003	0.0531	1.0000e-004		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	9.2193	9.2193	2.7800e-003	0.0000	9.2777
Total	1.1900e-003	5.1500e-003	0.0531	1.0000e-004	0.0203	1.6000e-004	0.0205	0.0112	1.6000e-004	0.0113	0.0000	9.2193	9.2193	2.7800e-003	0.0000	9.2777

3.3 Site Preparation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614
Total	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0147	0.1538	0.1043	1.2000e-004		8.7900e-003	8.7900e-003		8.0900e-003	8.0900e-003	0.0000	11.2266	11.2266	3.3900e-003	0.0000	11.2977
Total	0.0147	0.1538	0.1043	1.2000e-004	0.0262	8.7900e-003	0.0350	0.0135	8.0900e-003	0.0216	0.0000	11.2266	11.2266	3.3900e-003	0.0000	11.2977

3.4 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	3.1000e-004	3.0500e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4813	0.4813	3.0000e-005	0.0000	0.4819
Total	2.2000e-004	3.1000e-004	3.0500e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4813	0.4813	3.0000e-005	0.0000	0.4819

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0118	0.0000	0.0118	6.0600e-003	0.0000	6.0600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4500e-003	6.2800e-003	0.0786	1.2000e-004		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	11.2265	11.2265	3.3900e-003	0.0000	11.2977
Total	1.4500e-003	6.2800e-003	0.0786	1.2000e-004	0.0118	1.9000e-004	0.0120	6.0600e-003	1.9000e-004	6.2500e-003	0.0000	11.2265	11.2265	3.3900e-003	0.0000	11.2977

3.4 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	3.1000e-004	3.0500e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4813	0.4813	3.0000e-005	0.0000	0.4819
Total	2.2000e-004	3.1000e-004	3.0500e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4813	0.4813	3.0000e-005	0.0000	0.4819

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3883	3.2497	2.1098	3.0600e-003		0.2243	0.2243		0.2107	0.2107	0.0000	276.0551	276.0551	0.0685	0.0000	277.4929
Total	0.3883	3.2497	2.1098	3.0600e-003		0.2243	0.2243		0.2107	0.2107	0.0000	276.0551	276.0551	0.0685	0.0000	277.4929

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1935	1.6278	2.2041	3.8800e-003	0.1053	0.0244	0.1297	0.0302	0.0224	0.0526	0.0000	352.5400	352.5400	2.8300e-003	0.0000	352.5995
Worker	0.1252	0.1760	1.7098	3.5500e-003	0.3062	2.4400e-003	0.3086	0.0814	2.2400e-003	0.0837	0.0000	269.7915	269.7915	0.0144	0.0000	270.0943
Total	0.3187	1.8038	3.9138	7.4300e-003	0.4115	0.0268	0.4383	0.1116	0.0247	0.1363	0.0000	622.3315	622.3315	0.0173	0.0000	622.6938

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0372	0.2541	1.9849	3.0600e-003		4.6300e-003	4.6300e-003		4.6300e-003	4.6300e-003	0.0000	276.0548	276.0548	0.0685	0.0000	277.4926
Total	0.0372	0.2541	1.9849	3.0600e-003		4.6300e-003	4.6300e-003		4.6300e-003	4.6300e-003	0.0000	276.0548	276.0548	0.0685	0.0000	277.4926

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1935	1.6278	2.2041	3.8800e-003	0.1053	0.0244	0.1297	0.0302	0.0224	0.0526	0.0000	352.5400	352.5400	2.8300e-003	0.0000	352.5995
Worker	0.1252	0.1760	1.7098	3.5500e-003	0.3062	2.4400e-003	0.3086	0.0814	2.2400e-003	0.0837	0.0000	269.7915	269.7915	0.0144	0.0000	270.0943
Total	0.3187	1.8038	3.9138	7.4300e-003	0.4115	0.0268	0.4383	0.1116	0.0247	0.1363	0.0000	622.3315	622.3315	0.0173	0.0000	622.6938

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1000e-003	0.0264	0.0181	3.0000e-005		1.7800e-003	1.7800e-003		1.6700e-003	1.6700e-003	0.0000	2.3948	2.3948	5.9000e-004	0.0000	2.4072
Total	3.1000e-003	0.0264	0.0181	3.0000e-005		1.7800e-003	1.7800e-003		1.6700e-003	1.6700e-003	0.0000	2.3948	2.3948	5.9000e-004	0.0000	2.4072

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4900e-003	0.0128	0.0178	3.0000e-005	9.2000e-004	1.8000e-004	1.1100e-003	2.6000e-004	1.7000e-004	4.3000e-004	0.0000	3.0394	3.0394	2.0000e-005	0.0000	3.0399
Worker	9.8000e-004	1.3800e-003	0.0134	3.0000e-005	2.6900e-003	2.0000e-005	2.7100e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	2.2761	2.2761	1.2000e-004	0.0000	2.2786
Total	2.4700e-003	0.0142	0.0312	6.0000e-005	3.6100e-003	2.0000e-004	3.8200e-003	9.7000e-004	1.9000e-004	1.1600e-003	0.0000	5.3155	5.3155	1.4000e-004	0.0000	5.3185

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.3000e-004	2.2300e-003	0.0174	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.3948	2.3948	5.9000e-004	0.0000	2.4072
Total	3.3000e-004	2.2300e-003	0.0174	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.3948	2.3948	5.9000e-004	0.0000	2.4072

3.5 Building Construction - 2017**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4900e-003	0.0128	0.0178	3.0000e-005	9.2000e-004	1.8000e-004	1.1100e-003	2.6000e-004	1.7000e-004	4.3000e-004	0.0000	3.0394	3.0394	2.0000e-005	0.0000	3.0399
Worker	9.8000e-004	1.3800e-003	0.0134	3.0000e-005	2.6900e-003	2.0000e-005	2.7100e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	2.2761	2.2761	1.2000e-004	0.0000	2.2786
Total	2.4700e-003	0.0142	0.0312	6.0000e-005	3.6100e-003	2.0000e-004	3.8200e-003	9.7000e-004	1.9000e-004	1.1600e-003	0.0000	5.3155	5.3155	1.4000e-004	0.0000	5.3185

3.6 Paving - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0149	0.1512	0.1124	1.7000e-004		9.0500e-003	9.0500e-003		8.3400e-003	8.3400e-003	0.0000	15.2992	15.2992	4.5600e-003	0.0000	15.3950
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0149	0.1512	0.1124	1.7000e-004		9.0500e-003	9.0500e-003		8.3400e-003	8.3400e-003	0.0000	15.2992	15.2992	4.5600e-003	0.0000	15.3950

3.6 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	8.4000e-004	8.1800e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3888	1.3888	7.0000e-005	0.0000	1.3903
Total	6.0000e-004	8.4000e-004	8.1800e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3888	1.3888	7.0000e-005	0.0000	1.3903

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9400e-003	8.4300e-003	0.1199	1.7000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	15.2991	15.2991	4.5600e-003	0.0000	15.3950
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.9400e-003	8.4300e-003	0.1199	1.7000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	15.2991	15.2991	4.5600e-003	0.0000	15.3950

3.6 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	8.4000e-004	8.1800e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3888	1.3888	7.0000e-005	0.0000	1.3903
Total	6.0000e-004	8.4000e-004	8.1800e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3888	1.3888	7.0000e-005	0.0000	1.3903

3.7 Architechtrual Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0461					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0197	0.0168	3.0000e-005		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003	0.0000	2.2979	2.2979	2.4000e-004	0.0000	2.3030
Total	2.0491	0.0197	0.0168	3.0000e-005		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003	0.0000	2.2979	2.2979	2.4000e-004	0.0000	2.3030

3.7 Architechtrual Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7700e-003	2.4900e-003	0.0241	6.0000e-005	4.8300e-003	4.0000e-005	4.8700e-003	1.2900e-003	3.0000e-005	1.3200e-003	0.0000	4.0970	4.0970	2.1000e-004	0.0000	4.1014
Total	1.7700e-003	2.4900e-003	0.0241	6.0000e-005	4.8300e-003	4.0000e-005	4.8700e-003	1.2900e-003	3.0000e-005	1.3200e-003	0.0000	4.0970	4.0970	2.1000e-004	0.0000	4.1014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0461					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7000e-004	1.1600e-003	0.0165	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.2979	2.2979	2.4000e-004	0.0000	2.3030
Total	2.0464	1.1600e-003	0.0165	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.2979	2.2979	2.4000e-004	0.0000	2.3030

3.7 Architechtrual Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7700e-003	2.4900e-003	0.0241	6.0000e-005	4.8300e-003	4.0000e-005	4.8700e-003	1.2900e-003	3.0000e-005	1.3200e-003	0.0000	4.0970	4.0970	2.1000e-004	0.0000	4.1014
Total	1.7700e-003	2.4900e-003	0.0241	6.0000e-005	4.8300e-003	4.0000e-005	4.8700e-003	1.2900e-003	3.0000e-005	1.3200e-003	0.0000	4.0970	4.0970	2.1000e-004	0.0000	4.1014

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.0724	5.1579	28.0993	0.0893	6.4075	0.1059	6.5134	1.7131	0.0978	1.8109	0.0000	5,879.7155	5,879.7155	0.1847	0.0000	5,883.5935
Unmitigated	3.0724	5.1579	28.0993	0.0893	6.4075	0.1059	6.5134	1.7131	0.0978	1.8109	0.0000	5,879.7155	5,879.7155	0.1847	0.0000	5,883.5935

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	7,046.40	1,516.80	627.20	12,759,914	12,759,914
Strip Mall	3,191.04	3,026.88	1470.96	4,499,765	4,499,765
Total	10,237.44	4,543.68	2,098.16	17,259,680	17,259,680

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,219.4032	4,219.4032	0.1908	0.0395	4,235,6466
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,219.4032	4,219.4032	0.1908	0.0395	4,235,6466
NaturalGas Mitigated	0.0604	0.5490	0.4612	3.2900e-003		0.0417	0.0417		0.0417	0.0417	0.0000	597.6789	597.6789	0.0115	0.0110	601.3163
NaturalGas Unmitigated	0.0604	0.5490	0.4612	3.2900e-003		0.0417	0.0417		0.0417	0.0417	0.0000	597.6789	597.6789	0.0115	0.0110	601.3163

5.2 Energy by Land Use - NaturalGas
Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1.10208e+007	0.0594	0.5402	0.4538	3.2400e-003		0.0411	0.0411		0.0411	0.0411	0.0000	588.1119	588.1119	0.0113	0.0108	591.6910
Strip Mall	179280	9.7000e-004	8.7900e-003	7.3800e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	9.5671	9.5671	1.8000e-004	1.8000e-004	9.6253
Total		0.0604	0.5490	0.4612	3.2900e-003		0.0417	0.0417		0.0417	0.0417	0.0000	597.6789	597.6789	0.0115	0.0110	601.3163

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	1.10208e+007	0.0594	0.5402	0.4538	3.2400e-003		0.0411	0.0411		0.0411	0.0411	0.0000	588.1119	588.1119	0.0113	0.0108	591.6910
Strip Mall	179280	9.7000e-004	8.7900e-003	7.3800e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	9.5671	9.5671	1.8000e-004	1.8000e-004	9.6253
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0604	0.5490	0.4612	3.2900e-003		0.0417	0.0417		0.0417	0.0417	0.0000	597.6789	597.6789	0.0115	0.0110	601.3163

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking Structure	1.048e+006	304.8752	0.0138	2.8500e-003	306.0489
General Office Building	1.26144e+007	3,669.6736	0.1659	0.0343	3,683.8007
Strip Mall	841680	244.8544	0.0111	2.2900e-003	245.7970
Total		4,219.4032	0.1908	0.0395	4,235.6466

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking Structure	1.048e+006	304.8752	0.0138	2.8500e-003	306.0489
General Office Building	1.26144e+007	3,669.6736	0.1659	0.0343	3,683.8007
Strip Mall	841680	244.8544	0.0111	2.2900e-003	245.7970
Total		4,219.4032	0.1908	0.0395	4,235.6466

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.8612	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0199	0.0199	5.0000e-005	0.0000	0.0210
Unmitigated	3.8612	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0199	0.0199	5.0000e-005	0.0000	0.0210

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4547					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.4056					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.4000e-004	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0199	0.0199	5.0000e-005	0.0000	0.0210
Total	3.8612	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0199	0.0199	5.0000e-005	0.0000	0.0210

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4547					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.4056					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.4000e-004	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0199	0.0199	5.0000e-005	0.0000	0.0210
Total	3.8612	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0199	0.0199	5.0000e-005	0.0000	0.0210

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	299.5442	3.8914	0.0939	410.3813
Unmitigated	299.5442	3.8922	0.0941	410.4416

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	113.75 / 69.7175	286.1289	3.7178	0.0899	392.0596
Strip Mall	5.33322 / 3.26875	13.4153	0.1743	4.2100e-003	18.3820
Total		299.5442	3.8922	0.0941	410.4416

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	113.75 / 69.7175	286.1289	3.7172	0.0897	392.0021
Strip Mall	5.33322 / 3.26875	13.4153	0.1743	4.2100e-003	18.3793
Total		299.5442	3.8914	0.0939	410.3813

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	136.1663	8.0472	0.0000	305.1575
Unmitigated	136.1663	8.0472	0.0000	305.1575

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
General Office Building	595.2	120.8202	7.1403	0.0000	270.7659
Strip Mall	75.6	15.3461	0.9069	0.0000	34.3916
Total		136.1663	8.0472	0.0000	305.1575

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
General Office Building	595.2	120.8202	7.1403	0.0000	270.7659
Strip Mall	75.6	15.3461	0.9069	0.0000	34.3916
Total		136.1663	8.0472	0.0000	305.1575

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Diridon Station)
Santa Clara County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	640.00	1000sqft	4.45	640,000.00	0
Enclosed Parking Structure	400.00	Space	0.00	160,000.00	0
Strip Mall	72.00	1000sqft	0.00	72,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves -

Construction Off-road Equipment Mitigation - Watering twice per day, Tier IV

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	40.00
tblConstructionPhase	PhaseEndDate	3/24/2017	2/22/2017
tblLandUse	LotAcreage	14.69	4.45
tblLandUse	LotAcreage	3.60	0.00
tblLandUse	LotAcreage	1.65	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	6.1295	54.7163	50.3262	0.0944	18.2360	2.9400	21.1760	9.9757	2.7048	12.6805	0.0000	8,891.7507	8,891.7507	1.2347	0.0000	8,917.6785
2017	227.8921	40.0196	46.7413	0.0943	3.7329	1.9858	5.7188	1.0094	1.8612	2.8706	0.0000	8,696.7662	8,696.7662	0.8028	0.0000	8,713.6246
Total	234.0216	94.7360	97.0674	0.1886	21.9689	4.9258	26.8948	10.9851	4.5659	15.5511	0.0000	17,588.5168	17,588.5168	2.0374	0.0000	17,631.3030

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	3.0498	17.4288	49.2305	0.0944	8.2996	0.2751	8.3643	4.5138	0.2561	4.5785	0.0000	8,891.7507	8,891.7507	1.2347	0.0000	8,917.6785
2017	227.5895	15.8429	46.0231	0.0943	3.7329	0.2452	3.9782	1.0094	0.2288	1.2382	0.0000	8,696.7662	8,696.7662	0.8028	0.0000	8,713.6246
Total	230.6393	33.2716	95.2537	0.1886	12.0325	0.5203	12.3425	5.5232	0.4849	5.8167	0.0000	17,588.5168	17,588.5168	2.0374	0.0000	17,631.3030

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.45	64.88	1.87	0.00	45.23	89.44	54.11	49.72	89.38	62.60	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Energy	0.3309	3.0084	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877
Mobile	21.9054	33.4261	186.4489	0.6552	45.9420	0.7314	46.6734	12.2488	0.6753	12.9241		47,390.9753	47,390.9753	1.4074		47,420.5313
Total	43.3990	36.4355	189.0892	0.6733	45.9420	0.9604	46.9024	12.2488	0.9043	13.1532		51,001.2364	51,001.2364	1.4773	0.0662	51,052.7757

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Energy	0.3309	3.0084	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877
Mobile	21.9054	33.4261	186.4489	0.6552	45.9420	0.7314	46.6734	12.2488	0.6753	12.9241		47,390.9753	47,390.9753	1.4074		47,420.5313
Total	43.3990	36.4355	189.0892	0.6733	45.9420	0.9604	46.9024	12.2488	0.9043	13.1532		51,001.2364	51,001.2364	1.4773	0.0662	51,052.7757

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/4/2016	5	5	
3	Grading	Grading	2/5/2016	2/16/2016	5	8	
4	Building Construction	Building Construction	2/17/2016	1/3/2017	5	230	
5	Paving	Paving	1/4/2017	1/27/2017	5	18	
6	Architectural Coating	Architectural Coating	1/28/2017	2/22/2017	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,308,000; Non-Residential Outdoor: 436,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	295.00	143.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	59.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365		4,089.284 1	4,089.284 1	1.1121		4,112.637 4
Total	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365		4,089.284 1	4,089.284 1	1.1121		4,112.637 4

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0602	0.0700	0.8203	1.7000e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		142.5067	142.5067	7.0900e-003			142.6556
Total	0.0602	0.0700	0.8203	1.7000e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		142.5067	142.5067	7.0900e-003			142.6556

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.4739	2.0535	23.8257	0.0399		0.0632	0.0632		0.0632	0.0632	0.0000	4,089.2841	4,089.2841	1.1121			4,112.6374
Total	0.4739	2.0535	23.8257	0.0399		0.0632	0.0632		0.0632	0.0632	0.0000	4,089.2841	4,089.2841	1.1121			4,112.6374

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0602	0.0700	0.8203	1.7000e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		142.5067	142.5067	7.0900e-003			142.6556
Total	0.0602	0.0700	0.8203	1.7000e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		142.5067	142.5067	7.0900e-003			142.6556

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000				0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036		4,065.0053	4,065.0053	1.2262			4,090.7544
Total	5.0771	54.6323	41.1053	0.0391	18.0663	2.9387	21.0049	9.9307	2.7036	12.6343		4,065.0053	4,065.0053	1.2262			4,090.7544

3.3 Site Preparation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003			171.1867
Total	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003			171.1867

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.4757	2.0615	21.2415	0.0391		0.0634	0.0634		0.0634	0.0634	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544
Total	0.4757	2.0615	21.2415	0.0391	8.1298	0.0634	8.1933	4.4688	0.0634	4.5322	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544

3.3 Site Preparation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003			171.1867
Total	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003			171.1867

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000	
Off-Road	3.6669	38.4466	26.0787	0.0298		2.1984	2.1984		2.0225	2.0225		3,093.7889	3,093.7889	0.9332			3,113.3860
Total	3.6669	38.4466	26.0787	0.0298	6.5523	2.1984	8.7507	3.3675	2.0225	5.3900		3,093.7889	3,093.7889	0.9332			3,113.3860

3.4 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0602	0.0700	0.8203	1.7000e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		142.5067	142.5067	7.0900e-003			142.6556
Total	0.0602	0.0700	0.8203	1.7000e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		142.5067	142.5067	7.0900e-003			142.6556

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000	
Off-Road	0.3625	1.5709	19.6566	0.0298		0.0483	0.0483		0.0483	0.0483	0.0000	3,093.7889	3,093.7889	0.9332			3,113.3860
Total	0.3625	1.5709	19.6566	0.0298	2.9486	0.0483	2.9969	1.5154	0.0483	1.5637	0.0000	3,093.7889	3,093.7889	0.9332			3,113.3860

3.4 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0602	0.0700	0.8203	1.7000e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		142.5067	142.5067	7.0900e-003			142.6556
Total	0.0602	0.0700	0.8203	1.7000e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		142.5067	142.5067	7.0900e-003			142.6556

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.5396	13.8232	15.6876	0.0341	0.9510	0.2131	1.1640	0.2716	0.1958	0.4674		3,419.8326	3,419.8326	0.0271			3,420.4021
Worker	1.1837	1.3767	16.1320	0.0334	2.7819	0.0214	2.8034	0.7378	0.0197	0.7575		2,802.6317	2,802.6317	0.1394			2,805.5592
Total	2.7233	15.1999	31.8195	0.0675	3.7329	0.2345	3.9674	1.0094	0.2155	1.2249		6,222.4643	6,222.4643	0.1665			6,225.9612

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890
Total	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.5396	13.8232	15.6876	0.0341	0.9510	0.2131	1.1640	0.2716	0.1958	0.4674		3,419.8326	3,419.8326	0.0271			3,420.4021
Worker	1.1837	1.3767	16.1320	0.0334	2.7819	0.0214	2.8034	0.7378	0.0197	0.7575		2,802.6317	2,802.6317	0.1394			2,805.5592
Total	2.7233	15.1999	31.8195	0.0675	3.7329	0.2345	3.9674	1.0094	0.2155	1.2249		6,222.4643	6,222.4643	0.1665			6,225.9612

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.3566	12.3799	14.1346	0.0340	0.9510	0.1841	1.1351	0.2716	0.1693	0.4409		3,361.198 4	3,361.198 4	0.0257			3,361.738 2
Worker	1.0652	1.2341	14.4775	0.0334	2.7819	0.0205	2.8024	0.7378	0.0189	0.7567		2,695.762 5	2,695.762 5	0.1274			2,698.437 4
Total	2.4219	13.6140	28.6121	0.0675	3.7329	0.2046	3.9375	1.0094	0.1882	1.1976		6,056.960 8	6,056.960 8	0.1531			6,060.175 6

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,639.805 3	2,639.805 3	0.6497			2,653.449 0
Total	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,639.805 3	2,639.805 3	0.6497			2,653.449 0

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.3566	12.3799	14.1346	0.0340	0.9510	0.1841	1.1351	0.2716	0.1693	0.4409		3,361.198 4	3,361.198 4	0.0257			3,361.738 2
Worker	1.0652	1.2341	14.4775	0.0334	2.7819	0.0205	2.8024	0.7378	0.0189	0.7567		2,695.762 5	2,695.762 5	0.1274			2,698.437 4
Total	2.4219	13.6140	28.6121	0.0675	3.7329	0.2046	3.9375	1.0094	0.1882	1.1976		6,056.960 8	6,056.960 8	0.1531			6,060.175 6

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6554	16.8035	12.4837	0.0186		1.0056	1.0056		0.9269	0.9269		1,873.826 4	1,873.826 4	0.5588			1,885.560 9
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.6554	16.8035	12.4837	0.0186		1.0056	1.0056		0.9269	0.9269		1,873.826 4	1,873.826 4	0.5588			1,885.560 9

3.6 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0722	0.0837	0.9815	2.2700e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		182.7636	182.7636	8.6400e-003		182.9449
Total	0.0722	0.0837	0.9815	2.2700e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		182.7636	182.7636	8.6400e-003		182.9449

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2161	0.9363	13.3248	0.0186		0.0288	0.0288		0.0288	0.0288	0.0000	1,873.8264	1,873.8264	0.5588		1,885.5609
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2161	0.9363	13.3248	0.0186		0.0288	0.0288		0.0288	0.0288	0.0000	1,873.8264	1,873.8264	0.5588		1,885.5609

3.6 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0722	0.0837	0.9815	2.2700e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		182.7636	182.7636	8.6400e-003		182.9449
Total	0.0722	0.0837	0.9815	2.2700e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		182.7636	182.7636	8.6400e-003		182.9449

3.7 Architechtrual Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	227.3468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721
Total	227.6791	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721

3.7 Architechtrual Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2131	0.2468	2.8955	6.6900e-003	0.5564	4.1000e-003	0.5605	0.1476	3.7800e-003	0.1514		539.1525	539.1525	0.0255		539.6875
Total	0.2131	0.2468	2.8955	6.6900e-003	0.5564	4.1000e-003	0.5605	0.1476	3.7800e-003	0.1514		539.1525	539.1525	0.0255		539.6875

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	227.3468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0297		282.0721
Total	227.3765	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0297		282.0721

3.7 Architechtrual Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.2131	0.2468	2.8955	6.6900e-003	0.5564	4.1000e-003	0.5605	0.1476	3.7800e-003	0.1514		539.1525	539.1525	0.0255			539.6875
Total	0.2131	0.2468	2.8955	6.6900e-003	0.5564	4.1000e-003	0.5605	0.1476	3.7800e-003	0.1514		539.1525	539.1525	0.0255			539.6875

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	21.9054	33.4261	186.4489	0.6552	45.9420	0.7314	46.6734	12.2488	0.6753	12.9241		47,390.9753	47,390.9753	1.4074			47,420.5313
Unmitigated	21.9054	33.4261	186.4489	0.6552	45.9420	0.7314	46.6734	12.2488	0.6753	12.9241		47,390.9753	47,390.9753	1.4074			47,420.5313

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	7,046.40	1,516.80	627.20	12,759,914	12,759,914
Strip Mall	3,191.04	3,026.88	1470.96	4,499,765	4,499,765
Total	10,237.44	4,543.68	2,098.16	17,259,680	17,259,680

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3309	3.0084	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877
NaturalGas Unmitigated	0.3309	3.0084	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	30194	0.3256	2.9602	2.4866	0.0178		0.2250	0.2250		0.2250	0.2250		3,552.2321	3,552.2321	0.0681	0.0651	3,573.8504
Strip Mall	491.178	5.3000e-003	0.0482	0.0405	2.9000e-004		3.6600e-003	3.6600e-003		3.6600e-003	3.6600e-003		57.7857	57.7857	1.1100e-003	1.0600e-003	58.1373
Total		0.3309	3.0083	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	30.194	0.3256	2.9602	2.4866	0.0178		0.2250	0.2250		0.2250	0.2250		3,552.2321	3,552.2321	0.0681	0.0651	3,573.8504
Strip Mall	0.491178	5.3000e-003	0.0482	0.0405	2.9000e-004		3.6600e-003	3.6600e-003		3.6600e-003	3.6600e-003		57.7857	57.7857	1.1100e-003	1.0600e-003	58.1373
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3309	3.0083	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Unmitigated	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.4915					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	18.6608					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0104	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Total	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.4915					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	18.6608					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0104	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Total	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Diridon Station)
Santa Clara County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	640.00	1000sqft	4.45	640,000.00	0
Enclosed Parking Structure	400.00	Space	0.00	160,000.00	0
Strip Mall	72.00	1000sqft	0.00	72,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves -

Construction Off-road Equipment Mitigation - Watering twice per day, Tier IV

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	40.00
tblConstructionPhase	PhaseEndDate	3/24/2017	2/22/2017
tblLandUse	LotAcreage	14.69	4.45
tblLandUse	LotAcreage	3.60	0.00
tblLandUse	LotAcreage	1.65	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	6.4812	54.7350	57.0569	0.0915	18.2360	2.9400	21.1760	9.9757	2.7048	12.6805	0.0000	8,639.743 1	8,639.743 1	1.2347	0.0000	8,665.670 8
2017	227.8902	40.8505	53.4278	0.0914	3.7329	1.9877	5.7206	1.0094	1.8629	2.8723	0.0000	8,453.435 0	8,453.435 0	0.8035	0.0000	8,470.307 6
Total	234.3714	95.5856	110.4847	0.1829	21.9689	4.9277	26.8966	10.9851	4.5677	15.5528	0.0000	17,093.17 80	17,093.17 80	2.0381	0.0000	17,135.97 84

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	3.4014	18.3637	55.9613	0.0915	8.2996	0.2773	8.3643	4.5138	0.2582	4.5785	0.0000	8,639.743 1	8,639.743 1	1.2347	0.0000	8,665.670 8
2017	227.5876	16.6738	52.7097	0.0914	3.7329	0.2471	3.9800	1.0094	0.2305	1.2399	0.0000	8,453.435 0	8,453.435 0	0.8035	0.0000	8,470.307 6
Total	230.9890	35.0374	108.6709	0.1829	12.0325	0.5244	12.3443	5.5232	0.4887	5.8184	0.0000	17,093.17 80	17,093.17 80	2.0381	0.0000	17,135.97 84

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.44	63.34	1.64	0.00	45.23	89.36	54.10	49.72	89.30	62.59	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Energy	0.3309	3.0084	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877
Mobile	22.5185	37.1329	212.1524	0.6125	45.9420	0.7343	46.6763	12.2488	0.6780	12.9268		44,460.3322	44,460.3322	1.4101		44,489.9449
Total	44.0121	40.1423	214.7926	0.6305	45.9420	0.9633	46.9054	12.2488	0.9070	13.1559		48,070.5932	48,070.5932	1.4800	0.0662	48,122.1893

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Energy	0.3309	3.0084	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877
Mobile	22.5185	37.1329	212.1524	0.6125	45.9420	0.7343	46.6763	12.2488	0.6780	12.9268		44,460.3322	44,460.3322	1.4101		44,489.9449
Total	44.0121	40.1423	214.7926	0.6305	45.9420	0.9633	46.9054	12.2488	0.9070	13.1559		48,070.5932	48,070.5932	1.4800	0.0662	48,122.1893

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/4/2016	5	5	
3	Grading	Grading	2/5/2016	2/16/2016	5	8	
4	Building Construction	Building Construction	2/17/2016	1/3/2017	5	230	
5	Paving	Paving	1/4/2017	1/27/2017	5	18	
6	Architectural Coating	Architectural Coating	1/28/2017	2/22/2017	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,308,000; Non-Residential Outdoor: 436,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	295.00	143.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	59.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365		4,089.284 1	4,089.284 1	1.1121		4,112.637 4
Total	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365		4,089.284 1	4,089.284 1	1.1121		4,112.637 4

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0601	0.0856	0.7875	1.5600e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		131.0225	131.0225	7.0900e-003			131.1713
Total	0.0601	0.0856	0.7875	1.5600e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		131.0225	131.0225	7.0900e-003			131.1713

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.4739	2.0535	23.8257	0.0399		0.0632	0.0632		0.0632	0.0632	0.0000	4,089.2841	4,089.2841	1.1121			4,112.6374
Total	0.4739	2.0535	23.8257	0.0399		0.0632	0.0632		0.0632	0.0632	0.0000	4,089.2841	4,089.2841	1.1121			4,112.6374

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0601	0.0856	0.7875	1.5600e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		131.0225	131.0225	7.0900e-003			131.1713
Total	0.0601	0.0856	0.7875	1.5600e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		131.0225	131.0225	7.0900e-003			131.1713

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036		4,065.0053	4,065.0053	1.2262		4,090.7544
Total	5.0771	54.6323	41.1053	0.0391	18.0663	2.9387	21.0049	9.9307	2.7036	12.6343		4,065.0053	4,065.0053	1.2262		4,090.7544

3.3 Site Preparation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003			157.4056
Total	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003			157.4056

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.4757	2.0615	21.2415	0.0391		0.0634	0.0634		0.0634	0.0634	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544
Total	0.4757	2.0615	21.2415	0.0391	8.1298	0.0634	8.1933	4.4688	0.0634	4.5322	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544

3.3 Site Preparation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003		157.4056
Total	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003		157.4056

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.6669	38.4466	26.0787	0.0298		2.1984	2.1984		2.0225	2.0225		3,093.7889	3,093.7889	0.9332		3,113.3860
Total	3.6669	38.4466	26.0787	0.0298	6.5523	2.1984	8.7507	3.3675	2.0225	5.3900		3,093.7889	3,093.7889	0.9332		3,113.3860

3.4 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0856	0.7875	1.5600e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		131.0225	131.0225	7.0900e-003		131.1713
Total	0.0601	0.0856	0.7875	1.5600e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		131.0225	131.0225	7.0900e-003		131.1713

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	0.3625	1.5709	19.6566	0.0298		0.0483	0.0483		0.0483	0.0483	0.0000	3,093.7889	3,093.7889	0.9332		3,113.3860
Total	0.3625	1.5709	19.6566	0.0298	2.9486	0.0483	2.9969	1.5154	0.0483	1.5637	0.0000	3,093.7889	3,093.7889	0.9332		3,113.3860

3.4 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0856	0.7875	1.5600e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		131.0225	131.0225	7.0900e-003		131.1713
Total	0.0601	0.0856	0.7875	1.5600e-003	0.1415	1.0900e-003	0.1425	0.0375	1.0000e-003	0.0385		131.0225	131.0225	7.0900e-003		131.1713

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.8932	14.4515	23.0633	0.0340	0.9510	0.2153	1.1663	0.2716	0.1979	0.4695		3,393.6813	3,393.6813	0.0278			3,394.2648
Worker	1.1817	1.6833	15.4869	0.0307	2.7819	0.0214	2.8034	0.7378	0.0197	0.7575		2,576.7754	2,576.7754	0.1394			2,579.7028
Total	3.0749	16.1348	38.5503	0.0647	3.7329	0.2367	3.9697	1.0094	0.2176	1.2270		5,970.4567	5,970.4567	0.1672			5,973.9676

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890
Total	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.8932	14.4515	23.0633	0.0340	0.9510	0.2153	1.1663	0.2716	0.1979	0.4695		3,393.6813	3,393.6813	0.0278			3,394.2648
Worker	1.1817	1.6833	15.4869	0.0307	2.7819	0.0214	2.8034	0.7378	0.0197	0.7575		2,576.7754	2,576.7754	0.1394			2,579.7028
Total	3.0749	16.1348	38.5503	0.0647	3.7329	0.2367	3.9697	1.0094	0.2176	1.2270		5,970.4567	5,970.4567	0.1672			5,973.9676

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.6467	12.9357	21.5025	0.0339	0.9510	0.1860	1.1370	0.2716	0.1710	0.4426		3,335.406 2	3,335.406 2	0.0264			3,335.960 1
Worker	1.0558	1.5092	13.7962	0.0307	2.7819	0.0205	2.8024	0.7378	0.0189	0.7567		2,478.223 5	2,478.223 5	0.1274			2,480.898 4
Total	2.7025	14.4449	35.2986	0.0646	3.7329	0.2065	3.9394	1.0094	0.1899	1.1993		5,813.629 6	5,813.629 6	0.1538			5,816.858 5

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,639.805 3	2,639.805 3	0.6497			2,653.449 0
Total	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,639.805 3	2,639.805 3	0.6497			2,653.449 0

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.6467	12.9357	21.5025	0.0339	0.9510	0.1860	1.1370	0.2716	0.1710	0.4426		3,335.406 2	3,335.406 2	0.0264			3,335.960 1
Worker	1.0558	1.5092	13.7962	0.0307	2.7819	0.0205	2.8024	0.7378	0.0189	0.7567		2,478.223 5	2,478.223 5	0.1274			2,480.898 4
Total	2.7025	14.4449	35.2986	0.0646	3.7329	0.2065	3.9394	1.0094	0.1899	1.1993		5,813.629 6	5,813.629 6	0.1538			5,816.858 5

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6554	16.8035	12.4837	0.0186		1.0056	1.0056		0.9269	0.9269		1,873.826 4	1,873.826 4	0.5588			1,885.560 9
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.6554	16.8035	12.4837	0.0186		1.0056	1.0056		0.9269	0.9269		1,873.826 4	1,873.826 4	0.5588			1,885.560 9

3.6 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0716	0.1023	0.9353	2.0800e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		168.0152	168.0152	8.6400e-003			168.1965
Total	0.0716	0.1023	0.9353	2.0800e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		168.0152	168.0152	8.6400e-003			168.1965

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2161	0.9363	13.3248	0.0186		0.0288	0.0288		0.0288	0.0288	0.0000	1,873.8264	1,873.8264	0.5588			1,885.5609
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.2161	0.9363	13.3248	0.0186		0.0288	0.0288		0.0288	0.0288	0.0000	1,873.8264	1,873.8264	0.5588			1,885.5609

3.6 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0716	0.1023	0.9353	2.0800e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		168.0152	168.0152	8.6400e-003			168.1965
Total	0.0716	0.1023	0.9353	2.0800e-003	0.1886	1.3900e-003	0.1900	0.0500	1.2800e-003	0.0513		168.0152	168.0152	8.6400e-003			168.1965

3.7 Architechtrual Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	227.3468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721
Total	227.6791	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721

3.7 Architechtrual Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.2112	0.3018	2.7592	6.1400e-003	0.5564	4.1000e-003	0.5605	0.1476	3.7800e-003	0.1514		495.6447	495.6447	0.0255			496.1797
Total	0.2112	0.3018	2.7592	6.1400e-003	0.5564	4.1000e-003	0.5605	0.1476	3.7800e-003	0.1514		495.6447	495.6447	0.0255			496.1797

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	227.3468					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0297			282.0721
Total	227.3765	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0297			282.0721

3.7 Architechtrual Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2112	0.3018	2.7592	6.1400e-003	0.5564	4.1000e-003	0.5605	0.1476	3.7800e-003	0.1514		495.6447	495.6447	0.0255		496.1797
Total	0.2112	0.3018	2.7592	6.1400e-003	0.5564	4.1000e-003	0.5605	0.1476	3.7800e-003	0.1514		495.6447	495.6447	0.0255		496.1797

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	22.5185	37.1329	212.1524	0.6125	45.9420	0.7343	46.6763	12.2488	0.6780	12.9268		44,460.33 22	44,460.33 22	1.4101		44,489.94 49
Unmitigated	22.5185	37.1329	212.1524	0.6125	45.9420	0.7343	46.6763	12.2488	0.6780	12.9268		44,460.33 22	44,460.33 22	1.4101		44,489.94 49

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	7,046.40	1,516.80	627.20	12,759,914	12,759,914
Strip Mall	3,191.04	3,026.88	1470.96	4,499,765	4,499,765
Total	10,237.44	4,543.68	2,098.16	17,259,680	17,259,680

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

~~5.1 Fleet Mix~~

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3309	3.0084	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877
NaturalGas Unmitigated	0.3309	3.0084	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	30194	0.3256	2.9602	2.4866	0.0178		0.2250	0.2250		0.2250	0.2250		3,552.2321	3,552.2321	0.0681	0.0651	3,573.8504
Strip Mall	491.178	5.3000e-003	0.0482	0.0405	2.9000e-004		3.6600e-003	3.6600e-003		3.6600e-003	3.6600e-003		57.7857	57.7857	1.1100e-003	1.0600e-003	58.1373
Total		0.3309	3.0083	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	30.194	0.3256	2.9602	2.4866	0.0178		0.2250	0.2250		0.2250	0.2250		3,552.2321	3,552.2321	0.0681	0.0651	3,573.8504
Strip Mall	0.491178	5.3000e-003	0.0482	0.0405	2.9000e-004		3.6600e-003	3.6600e-003		3.6600e-003	3.6600e-003		57.7857	57.7857	1.1100e-003	1.0600e-003	58.1373
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3309	3.0083	2.5270	0.0181		0.2286	0.2286		0.2286	0.2286		3,610.0177	3,610.0177	0.0692	0.0662	3,631.9877

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Unmitigated	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.4915					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	18.6608					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0104	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Total	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.4915					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	18.6608					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0104	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567
Total	21.1627	1.0300e-003	0.1132	1.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		0.2434	0.2434	6.3000e-004		0.2567

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Downtown San Jose East Option) Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	618.00	1000sqft	3.59	618,000.00	0
Enclosed Parking Structure	1,398.00	Space	0.00	559,200.00	0
Strip Mall	160.00	1000sqft	0.00	160,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation - Tier IV and watering twice a day

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	50.00

tblLandUse	LotAcreage	14.19	3.59
tblLandUse	LotAcreage	12.58	0.00
tblLandUse	LotAcreage	3.67	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.8610	6.1783	8.2010	0.0154	0.7344	0.2744	1.0088	0.2180	0.2566	0.4746	0.0000	1,282.6839	1,282.6839	0.1088	0.0000	1,284.9692
2018	7.0099	0.2546	0.3573	7.1000e-004	0.0325	0.0141	0.0465	8.6700e-003	0.0133	0.0220	0.0000	56.6028	56.6028	7.2900e-003	0.0000	56.7559
Total	7.8708	6.4329	8.5583	0.0161	0.7668	0.2885	1.0554	0.2266	0.2699	0.4965	0.0000	1,339.2867	1,339.2867	0.1161	0.0000	1,341.7251

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.4869	2.7659	7.9505	0.0154	0.6951	0.0416	0.7367	0.1969	0.0387	0.2356	0.0000	1,282.6835	1,282.6835	0.1088	0.0000	1,284.9688
2018	6.9889	0.0556	0.3662	7.1000e-004	0.0325	1.0400e-003	0.0335	8.6700e-003	9.9000e-004	9.6600e-003	0.0000	56.6028	56.6028	7.2900e-003	0.0000	56.7559
Total	7.4758	2.8216	8.3167	0.0161	0.7276	0.0426	0.7702	0.2056	0.0397	0.2452	0.0000	1,339.2863	1,339.2863	0.1161	0.0000	1,341.7247

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.02	56.14	2.82	0.00	5.12	85.23	27.02	9.30	85.30	50.61	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.9215	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0389	0.0389	1.0000e-004	0.0000	0.0410
Energy	0.0595	0.5412	0.4546	3.2500e-003		0.0411	0.0411		0.0411	0.0411	0.0000	5,742.3439	5,742.3439	0.2443	0.0590	5,765.7676
Mobile	4.2454	6.8186	37.6379	0.1159	8.2864	0.1387	8.4251	2.2155	0.1280	2.3435	0.0000	7,632.1719	7,632.1719	0.2413	0.0000	7,637.2398
Waste						0.0000	0.0000		0.0000	0.0000	150.7695	0.0000	150.7695	8.9102	0.0000	337.8842
Water						0.0000	0.0000		0.0000	0.0000	38.6070	267.4981	306.1051	3.9774	0.0961	419.4314
Total	10.2265	7.3600	38.1125	0.1192	8.2864	0.1799	8.4663	2.2155	0.1692	2.3847	189.3765	13,642.0528	13,831.4293	13.3734	0.1551	14,160.3640

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.9215	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0389	0.0389	1.0000e-004	0.0000	0.0410
Energy	0.0595	0.5412	0.4546	3.2500e-003		0.0411	0.0411		0.0411	0.0411	0.0000	5,742.3439	5,742.3439	0.2443	0.0590	5,765.7676
Mobile	4.2454	6.8186	37.6379	0.1159	8.2864	0.1387	8.4251	2.2155	0.1280	2.3435	0.0000	7,632.1719	7,632.1719	0.2413	0.0000	7,637.2398
Waste						0.0000	0.0000		0.0000	0.0000	150.7695	0.0000	150.7695	8.9102	0.0000	337.8842
Water						0.0000	0.0000		0.0000	0.0000	38.6070	267.4981	306.1051	3.9767	0.0960	419.3698
Total	10.2265	7.3600	38.1125	0.1192	8.2864	0.1799	8.4663	2.2155	0.1692	2.3847	189.3765	13,642.0528	13,831.4293	13.3726	0.1550	14,160.3024

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.10	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/3/2017	5	5	
3	Grading	Grading	2/4/2017	2/15/2017	5	8	
4	Building Construction	Building Construction	2/16/2017	1/3/2018	5	230	
5	Paving	Paving	1/4/2018	1/29/2018	5	18	
6	Architectural Coating	Architectural Coating	1/30/2018	4/9/2018	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 2,005,800; Non-Residential Outdoor: 668,600 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	484.00	219.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	97.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0405	0.4270	0.3389	4.0000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	36.6182	36.6182	0.0101	0.0000	36.8292
Total	0.0405	0.4270	0.3389	4.0000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	36.6182	36.6182	0.0101	0.0000	36.8292

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586	
Total	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.7400e-003	0.0205	0.2383	4.0000e-004		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004	0.0000	36.6182	36.6182	0.0101	0.0000	36.8291
Total	4.7400e-003	0.0205	0.2383	4.0000e-004		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004	0.0000	36.6182	36.6182	0.0101	0.0000	36.8291

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586
Total	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0121	0.1294	0.0985	1.0000e-004		6.8900e-003	6.8900e-003		6.3300e-003	6.3300e-003	0.0000	9.0789	9.0789	2.7800e-003	0.0000	9.1373
Total	0.0121	0.1294	0.0985	1.0000e-004	0.0452	6.8900e-003	0.0521	0.0248	6.3300e-003	0.0312	0.0000	9.0789	9.0789	2.7800e-003	0.0000	9.1373

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	2.1000e-004	2.0400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3472	0.3472	2.0000e-005	0.0000	0.3476
Total	1.5000e-004	2.1000e-004	2.0400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3472	0.3472	2.0000e-005	0.0000	0.3476

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0203	0.0000	0.0203	0.0112	0.0000	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1900e-003	5.1500e-003	0.0531	1.0000e-004		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	9.0788	9.0788	2.7800e-003	0.0000	9.1373
Total	1.1900e-003	5.1500e-003	0.0531	1.0000e-004	0.0203	1.6000e-004	0.0205	0.0112	1.6000e-004	0.0113	0.0000	9.0788	9.0788	2.7800e-003	0.0000	9.1373

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	2.1000e-004	2.0400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3472	0.3472	2.0000e-005	0.0000	0.3476
Total	1.5000e-004	2.1000e-004	2.0400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3472	0.3472	2.0000e-005	0.0000	0.3476

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0138	0.1439	0.1015	1.2000e-004		8.1600e-003	8.1600e-003		7.5000e-003	7.5000e-003	0.0000	11.0447	11.0447	3.3800e-003	0.0000	11.1157
Total	0.0138	0.1439	0.1015	1.2000e-004	0.0262	8.1600e-003	0.0344	0.0135	7.5000e-003	0.0210	0.0000	11.0447	11.0447	3.3800e-003	0.0000	11.1157

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	2.8000e-004	2.7300e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4629	0.4629	2.0000e-005	0.0000	0.4634
Total	2.0000e-004	2.8000e-004	2.7300e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4629	0.4629	2.0000e-005	0.0000	0.4634

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0118	0.0000	0.0118	6.0600e-003	0.0000	6.0600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4500e-003	6.2800e-003	0.0786	1.2000e-004		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	11.0447	11.0447	3.3800e-003	0.0000	11.1157
Total	1.4500e-003	6.2800e-003	0.0786	1.2000e-004	0.0118	1.9000e-004	0.0120	6.0600e-003	1.9000e-004	6.2500e-003	0.0000	11.0447	11.0447	3.3800e-003	0.0000	11.1157

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	2.8000e-004	2.7300e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4629	0.4629	2.0000e-005	0.0000	0.4634
Total	2.0000e-004	2.8000e-004	2.7300e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4629	0.4629	2.0000e-005	0.0000	0.4634

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3521	2.9970	2.0577	3.0400e-003		0.2022	0.2022		0.1899	0.1899	0.0000	271.8088	271.8088	0.0669	0.0000	273.2136
Total	0.3521	2.9970	2.0577	3.0400e-003		0.2022	0.2022		0.1899	0.1899	0.0000	271.8088	271.8088	0.0669	0.0000	273.2136

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2585	2.2221	3.0967	5.9000e-003	0.1605	0.0321	0.1927	0.0460	0.0296	0.0756	0.0000	528.3137	528.3137	4.1000e-003	0.0000	528.3998
Worker	0.1831	0.2577	2.4961	5.7900e-003	0.5002	3.8200e-003	0.5040	0.1330	3.5200e-003	0.1365	0.0000	423.8522	423.8522	0.0215	0.0000	424.3041
Total	0.4416	2.4798	5.5928	0.0117	0.6607	0.0360	0.6967	0.1791	0.0331	0.2121	0.0000	952.1659	952.1659	0.0256	0.0000	952.7038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0371	0.2530	1.9762	3.0400e-003		4.6100e-003	4.6100e-003		4.6100e-003	4.6100e-003	0.0000	271.8085	271.8085	0.0669	0.0000	273.2133
Total	0.0371	0.2530	1.9762	3.0400e-003		4.6100e-003	4.6100e-003		4.6100e-003	4.6100e-003	0.0000	271.8085	271.8085	0.0669	0.0000	273.2133

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2585	2.2221	3.0967	5.9000e-003	0.1605	0.0321	0.1927	0.0460	0.0296	0.0756	0.0000	528.3137	528.3137	4.1000e-003	0.0000	528.3998
Worker	0.1831	0.2577	2.4961	5.7900e-003	0.5002	3.8200e-003	0.5040	0.1330	3.5200e-003	0.1365	0.0000	423.8522	423.8522	0.0215	0.0000	424.3041
Total	0.4416	2.4798	5.5928	0.0117	0.6607	0.0360	0.6967	0.1791	0.0331	0.2121	0.0000	952.1659	952.1659	0.0256	0.0000	952.7038

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.0000e-003	0.0349	0.0263	4.0000e-005		2.2400e-003	2.2400e-003		2.1100e-003	2.1100e-003	0.0000	3.5516	3.5516	8.7000e-004	0.0000	3.5698
Total	4.0000e-003	0.0349	0.0263	4.0000e-005		2.2400e-003	2.2400e-003		2.1100e-003	2.1100e-003	0.0000	3.5516	3.5516	8.7000e-004	0.0000	3.5698

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0900e-003	0.0266	0.0386	8.0000e-005	2.1200e-003	3.9000e-004	2.5100e-003	6.1000e-004	3.6000e-004	9.7000e-004	0.0000	6.8601	6.8601	5.0000e-005	0.0000	6.8612
Worker	2.1700e-003	3.0700e-003	0.0296	8.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	5.0000e-005	1.8000e-003	0.0000	5.3930	5.3930	2.6000e-004	0.0000	5.3985
Total	5.2600e-003	0.0297	0.0681	1.6000e-004	8.7300e-003	4.4000e-004	9.1700e-003	2.3700e-003	4.1000e-004	2.7700e-003	0.0000	12.2531	12.2531	3.1000e-004	0.0000	12.2597

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.9000e-004	3.3400e-003	0.0261	4.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.5515	3.5515	8.7000e-004	0.0000	3.5698
Total	4.9000e-004	3.3400e-003	0.0261	4.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.5515	3.5515	8.7000e-004	0.0000	3.5698

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0900e-003	0.0266	0.0386	8.0000e-005	2.1200e-003	3.9000e-004	2.5100e-003	6.1000e-004	3.6000e-004	9.7000e-004	0.0000	6.8601	6.8601	5.0000e-005	0.0000	6.8612
Worker	2.1700e-003	3.0700e-003	0.0296	8.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	5.0000e-005	1.8000e-003	0.0000	5.3930	5.3930	2.6000e-004	0.0000	5.3985
Total	5.2600e-003	0.0297	0.0681	1.6000e-004	8.7300e-003	4.4000e-004	9.1700e-003	2.3700e-003	4.1000e-004	2.7700e-003	0.0000	12.2531	12.2531	3.1000e-004	0.0000	12.2597

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0127	0.1289	0.1104	1.7000e-004		7.4500e-003	7.4500e-003		6.8700e-003	6.8700e-003	0.0000	15.0641	15.0641	4.5600e-003	0.0000	15.1599
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0127	0.1289	0.1104	1.7000e-004		7.4500e-003	7.4500e-003		6.8700e-003	6.8700e-003	0.0000	15.0641	15.0641	4.5600e-003	0.0000	15.1599

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	7.6000e-004	7.3400e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3371	1.3371	6.0000e-005	0.0000	1.3385
Total	5.4000e-004	7.6000e-004	7.3400e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3371	1.3371	6.0000e-005	0.0000	1.3385

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9400e-003	8.4300e-003	0.1199	1.7000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	15.0641	15.0641	4.5600e-003	0.0000	15.1599
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.9400e-003	8.4300e-003	0.1199	1.7000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	15.0641	15.0641	4.5600e-003	0.0000	15.1599

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	7.6000e-004	7.3400e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3371	1.3371	6.0000e-005	0.0000	1.3385
Total	5.4000e-004	7.6000e-004	7.3400e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3371	1.3371	6.0000e-005	0.0000	1.3385

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.9727					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4700e-003	0.0501	0.0464	7.0000e-005		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	6.3832	6.3832	6.1000e-004	0.0000	6.3959
Total	6.9801	0.0501	0.0464	7.0000e-005		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	6.3832	6.3832	6.1000e-004	0.0000	6.3959

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2600e-003	0.0102	0.0989	2.6000e-004	0.0221	1.6000e-004	0.0222	5.8700e-003	1.5000e-004	6.0200e-003	0.0000	18.0138	18.0138	8.7000e-004	0.0000	18.0322	18.0322
Total	7.2600e-003	0.0102	0.0989	2.6000e-004	0.0221	1.6000e-004	0.0222	5.8700e-003	1.5000e-004	6.0200e-003	0.0000	18.0138	18.0138	8.7000e-004	0.0000	18.0322	18.0322

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Archit. Coating	6.9727					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4000e-004	3.2200e-003	0.0458	7.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	6.3831	6.3831	6.1000e-004	0.0000	6.3959	6.3959
Total	6.9734	3.2200e-003	0.0458	7.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	6.3831	6.3831	6.1000e-004	0.0000	6.3959	6.3959

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2600e-003	0.0102	0.0989	2.6000e-004	0.0221	1.6000e-004	0.0222	5.8700e-003	1.5000e-004	6.0200e-003	0.0000	18.0138	18.0138	8.7000e-004	0.0000	18.0322
Total	7.2600e-003	0.0102	0.0989	2.6000e-004	0.0221	1.6000e-004	0.0222	5.8700e-003	1.5000e-004	6.0200e-003	0.0000	18.0138	18.0138	8.7000e-004	0.0000	18.0322

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.2454	6.8186	37.6379	0.1159	8.2864	0.1387	8.4251	2.2155	0.1280	2.3435	0.0000	7,632.1719	7,632.1719	0.2413	0.0000	7,637.2398
Unmitigated	4.2454	6.8186	37.6379	0.1159	8.2864	0.1387	8.4251	2.2155	0.1280	2.3435	0.0000	7,632.1719	7,632.1719	0.2413	0.0000	7,637.2398

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	6,804.18	1,464.66	605.64	12,321,292	12,321,292
Strip Mall	7,091.20	6,726.40	3268.80	9,999,479	9,999,479
Total	13,895.38	8,191.06	3,874.44	22,320,771	22,320,771

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,153.1883	5,153.1883	0.2330	0.0482	5,173.0265
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,153.1883	5,153.1883	0.2330	0.0482	5,173.0265
NaturalGas Mitigated	0.0595	0.5412	0.4546	3.2500e-003		0.0411	0.0411		0.0411	0.0411	0.0000	589.1557	589.1557	0.0113	0.0108	592.7412
NaturalGas Unmitigated	0.0595	0.5412	0.4546	3.2500e-003		0.0411	0.0411		0.0411	0.0411	0.0000	589.1557	589.1557	0.0113	0.0108	592.7412

5.2 Energy by Land Use - NaturalGas
Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1.0642e+007	0.0574	0.5217	0.4382	3.1300e-003		0.0397	0.0397		0.0397	0.0397	0.0000	567.8955	567.8955	0.0109	0.0104	571.3516
Strip Mall	398400	2.1500e-003	0.0195	0.0164	1.2000e-004		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003	0.0000	21.2601	21.2601	4.1000e-004	3.9000e-004	21.3895
Total		0.0595	0.5412	0.4546	3.2500e-003		0.0411	0.0411		0.0411	0.0411	0.0000	589.1557	589.1557	0.0113	0.0108	592.7412

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	1.0642e+007	0.0574	0.5217	0.4382	3.1300e-003		0.0397	0.0397		0.0397	0.0397	0.0000	567.8955	567.8955	0.0109	0.0104	571.3516
Strip Mall	398400	2.1500e-003	0.0195	0.0164	1.2000e-004		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003	0.0000	21.2601	21.2601	4.1000e-004	3.9000e-004	21.3895
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0595	0.5412	0.4546	3.2500e-003		0.0411	0.0411		0.0411	0.0411	0.0000	589.1557	589.1557	0.0113	0.0108	592.7412

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking Structure	3.66276e+006	1,065.5389	0.0482	9.9700e-003	1,069.6409
General Office Building	1.21808e+007	3,543.5286	0.1602	0.0332	3,557.1701
Strip Mall	1.8704e+006	544.1208	0.0246	5.0900e-003	546.2155
Total		5,153.1883	0.2330	0.0482	5,173.0265

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking Structure	3.66276e+006	1,065.5389	0.0482	9.9700e-003	1,069.6409
General Office Building	1.21808e+007	3,543.5286	0.1602	0.0332	3,557.1701
Strip Mall	1.8704e+006	544.1208	0.0246	5.0900e-003	546.2155
Total		5,153.1883	0.2330	0.0482	5,173.0265

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.9215	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0389	0.0389	1.0000e-004	0.0000	0.0410
Unmitigated	5.9215	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0389	0.0389	1.0000e-004	0.0000	0.0410

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6973					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.2224					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8400e-003	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0389	0.0389	1.0000e-004	0.0000	0.0410
Total	5.9215	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0389	0.0389	1.0000e-004	0.0000	0.0410

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6973					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.2224					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8400e-003	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0389	0.0389	1.0000e-004	0.0000	0.0410
Total	5.9215	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0389	0.0389	1.0000e-004	0.0000	0.0410

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	306.1051	3.9767	0.0960	419.3698
Unmitigated	306.1051	3.9774	0.0961	419.4314

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	109.839 / 67.321	276.2932	3.5900	0.0868	378.5826
Strip Mall	11.8516 / 7.26389	29.8119	0.3874	9.3600e-003	40.8488
Total		306.1051	3.9774	0.0961	419.4314

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	109.839 / 67.321	276.2932	3.5894	0.0866	378.5270
Strip Mall	11.8516 / 7.26389	29.8119	0.3873	9.3500e-003	40.8428
Total		306.1051	3.9767	0.0960	419.3698

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	150.7695	8.9102	0.0000	337.8842
Unmitigated	150.7695	8.9102	0.0000	337.8842

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
General Office Building	574.74	116.6670	6.8948	0.0000	261.4583
Strip Mall	168	34.1025	2.0154	0.0000	76.4259
Total		150.7695	8.9102	0.0000	337.8842

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
General Office Building	574.74	116.6670	6.8948	0.0000	261.4583
Strip Mall	168	34.1025	2.0154	0.0000	76.4259
Total		150.7695	8.9102	0.0000	337.8842

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Downtown San Jose East Option) Santa Clara County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	618.00	1000sqft	3.59	618,000.00	0
Enclosed Parking Structure	1,398.00	Space	0.00	559,200.00	0
Strip Mall	160.00	1000sqft	0.00	160,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation - Tier IV and watering twice a day

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	50.00

tblLandUse	LotAcreage	14.19	3.59
tblLandUse	LotAcreage	12.58	0.00
tblLandUse	LotAcreage	3.67	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.9277	51.8288	63.5288	0.1338	18.2360	2.7555	20.9915	9.9757	2.5350	12.5107	0.0000	12,210.25 29	12,210.25 29	1.2343	0.0000	12,236.17 34
2018	279.5214	42.2527	58.9920	0.1336	6.0203	1.7880	7.8083	1.6263	1.6750	3.3014	0.0000	11,926.14 86	11,926.14 86	0.8694	0.0000	11,944.40 67
Total	286.4491	94.0815	122.5207	0.2674	24.2563	4.5434	28.7998	11.6020	4.2101	15.8121	0.0000	24,136.40 16	24,136.40 16	2.1037	0.0000	24,180.58 01

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.1518	23.2130	62.8107	0.1338	8.2996	0.3562	8.3642	4.5138	0.3309	4.5784	0.0000	12,210.25 29	12,210.25 29	1.2343	0.0000	12,236.17 34
2018	279.2525	21.2208	58.8703	0.1336	6.0203	0.3343	6.3546	1.6263	0.3109	1.9372	0.0000	11,926.14 86	11,926.14 86	0.8694	0.0000	11,944.40 67
Total	283.4043	44.4338	121.6810	0.2674	14.3199	0.6905	14.7189	6.1402	0.6417	6.5156	0.0000	24,136.40 16	24,136.40 16	2.1037	0.0000	24,180.58 01

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.06	52.77	0.69	0.00	40.96	84.80	48.89	47.08	84.76	58.79	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Energy	0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933
Mobile	29.1617	42.6608	238.7463	0.8214	57.4047	0.9244	58.3291	15.3049	0.8536	16.1585		59,414.7756	59,414.7756	1.7759		59,452.0695
Total	61.9450	45.6283	241.4589	0.8393	57.4047	1.1506	58.5552	15.3049	1.0798	16.3847		62,973.7884	62,973.7884	1.8454	0.0652	63,032.7651

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Energy	0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933
Mobile	29.1617	42.6608	238.7463	0.8214	57.4047	0.9244	58.3291	15.3049	0.8536	16.1585		59,414.7756	59,414.7756	1.7759		59,452.0695
Total	61.9450	45.6283	241.4589	0.8393	57.4047	1.1506	58.5552	15.3049	1.0798	16.3847		62,973.7884	62,973.7884	1.8454	0.0652	63,032.7651

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/3/2017	5	5	
3	Grading	Grading	2/4/2017	2/15/2017	5	8	
4	Building Construction	Building Construction	2/16/2017	1/3/2018	5	230	
5	Paving	Paving	1/4/2018	1/29/2018	5	18	
6	Architectural Coating	Architectural Coating	1/30/2018	4/9/2018	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 2,005,800; Non-Residential Outdoor: 668,600 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	484.00	219.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	97.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.4739	2.0535	23.8257	0.0399		0.0632	0.0632		0.0632	0.0632	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211
Total	0.4739	2.0535	23.8257	0.0399		0.0632	0.0632		0.0632	0.0632	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003		137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003		137.2087

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265		4,028.8432

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003		164.6504
Total	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003		164.6504

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.4757	2.0615	21.2415	0.0391		0.0634	0.0634		0.0634	0.0634	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	0.4757	2.0615	21.2415	0.0391	8.1298	0.0634	8.1933	4.4688	0.0634	4.5322	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003			164.6504
Total	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003			164.6504

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000				0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757		3,043.6667	3,043.6667	0.9326			3,063.2507
Total	3.4555	35.9825	25.3812	0.0297	6.5523	2.0388	8.5912	3.3675	1.8757	5.2432		3,043.6667	3,043.6667	0.9326			3,063.2507

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003		137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003		137.2087

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	0.3625	1.5709	19.6566	0.0297		0.0483	0.0483		0.0483	0.0483	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507
Total	0.3625	1.5709	19.6566	0.0297	2.9486	0.0483	2.9969	1.5154	0.0483	1.5637	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.0776	18.9594	21.6467	0.0521	1.4564	0.2820	1.7384	0.4159	0.2593	0.6752		5,147.5695	5,147.5695	0.0394			5,148.3962
Worker	1.7477	2.0248	23.7529	0.0549	4.5643	0.0336	4.5979	1.2106	0.0310	1.2416		4,422.8781	4,422.8781	0.2090			4,427.2668
Total	3.8253	20.9842	45.3996	0.1070	6.0207	0.3156	6.3363	1.6265	0.2903	1.9167		9,570.4476	9,570.4476	0.2484			9,575.6630

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490
Total	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.0776	18.9594	21.6467	0.0521	1.4564	0.2820	1.7384	0.4159	0.2593	0.6752		5,147.5695	5,147.5695	0.0394			5,148.3962
Worker	1.7477	2.0248	23.7529	0.0549	4.5643	0.0336	4.5979	1.2106	0.0310	1.2416		4,422.8781	4,422.8781	0.2090			4,427.2668
Total	3.8253	20.9842	45.3996	0.1070	6.0207	0.3156	6.3363	1.6265	0.2903	1.9167		9,570.4476	9,570.4476	0.2484			9,575.6630

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.8914	17.1688	20.0569	0.0520	1.4561	0.2611	1.7172	0.4158	0.2402	0.6559		5,057.6526	5,057.6526	0.0386			5,058.4641
Worker	1.5780	1.8231	21.4024	0.0548	4.5643	0.0326	4.5968	1.2106	0.0301	1.2407		4,258.5571	4,258.5571	0.1921			4,262.5909
Total	3.4695	18.9919	41.4593	0.1068	6.0203	0.2937	6.3140	1.6263	0.2703	1.8966		9,316.2097	9,316.2097	0.2307			9,321.0550

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517
Total	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.8914	17.1688	20.0569	0.0520	1.4561	0.2611	1.7172	0.4158	0.2402	0.6559		5,057.6526	5,057.6526	0.0386			5,058.4641
Worker	1.5780	1.8231	21.4024	0.0548	4.5643	0.0326	4.5968	1.2106	0.0301	1.2407		4,258.5571	4,258.5571	0.1921			4,262.5909
Total	3.4695	18.9919	41.4593	0.1068	6.0203	0.2937	6.3140	1.6263	0.2703	1.8966		9,316.2097	9,316.2097	0.2307			9,321.0550

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.4060	14.3192	12.2631	0.0187		0.8272	0.8272		0.7628	0.7628		1,845.0348	1,845.0348	0.5587			1,856.7667
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.4060	14.3192	12.2631	0.0187		0.8272	0.8272		0.7628	0.7628		1,845.0348	1,845.0348	0.5587			1,856.7667

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0652	0.0753	0.8844	2.2700e-003	0.1886	1.3500e-003	0.1900	0.0500	1.2400e-003	0.0513		175.9734	175.9734	7.9400e-003			176.1401
Total	0.0652	0.0753	0.8844	2.2700e-003	0.1886	1.3500e-003	0.1900	0.0500	1.2400e-003	0.0513		175.9734	175.9734	7.9400e-003			176.1401

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2161	0.9363	13.3248	0.0187		0.0288	0.0288		0.0288	0.0288	0.0000	1,845.0348	1,845.0348	0.5587			1,856.7667
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.2161	0.9363	13.3248	0.0187		0.0288	0.0288		0.0288	0.0288	0.0000	1,845.0348	1,845.0348	0.5587			1,856.7667

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0652	0.0753	0.8844	2.2700e-003	0.1886	1.3500e-003	0.1900	0.0500	1.2400e-003	0.0513		175.9734	175.9734	7.9400e-003		176.1401
Total	0.0652	0.0753	0.8844	2.2700e-003	0.1886	1.3500e-003	0.1900	0.0500	1.2400e-003	0.0513		175.9734	175.9734	7.9400e-003		176.1401

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	278.9065					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	279.2051	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.3163	0.3654	4.2893	0.0110	0.9147	6.5200e-003	0.9213	0.2426	6.0300e-003	0.2487		853.4712	853.4712	0.0385			854.2796
Total	0.3163	0.3654	4.2893	0.0110	0.9147	6.5200e-003	0.9213	0.2426	6.0300e-003	0.2487		853.4712	853.4712	0.0385			854.2796

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	278.9065					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4485	281.4485	0.0267			282.0102
Total	278.9362	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.3163	0.3654	4.2893	0.0110	0.9147	6.5200e-003	0.9213	0.2426	6.0300e-003	0.2487		853.4712	853.4712	0.0385			854.2796
Total	0.3163	0.3654	4.2893	0.0110	0.9147	6.5200e-003	0.9213	0.2426	6.0300e-003	0.2487		853.4712	853.4712	0.0385			854.2796

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	29.1617	42.6608	238.7463	0.8214	57.4047	0.9244	58.3291	15.3049	0.8536	16.1585		59,414.77 56	59,414.77 56	1.7759			59,452.06 95
Unmitigated	29.1617	42.6608	238.7463	0.8214	57.4047	0.9244	58.3291	15.3049	0.8536	16.1585		59,414.77 56	59,414.77 56	1.7759			59,452.06 95

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	6,804.18	1,464.66	605.64	12,321,292	12,321,292
Strip Mall	7,091.20	6,726.40	3268.80	9,999,479	9,999,479
Total	13,895.38	8,191.06	3,874.44	22,320,771	22,320,771

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933
NaturalGas Unmitigated	0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	29156.1	0.3144	2.8584	2.4011	0.0172		0.2172	0.2172		0.2172	0.2172		3,430.1241	3,430.1241	0.0657	0.0629	3,450.9993
Strip Mall	1091.51	0.0118	0.1070	0.0899	6.4000e-004		8.1300e-003	8.1300e-003		8.1300e-003	8.1300e-003		128.4126	128.4126	2.4600e-003	2.3500e-003	129.1941
Total		0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	29.1561	0.3144	2.8584	2.4011	0.0172		0.2172	0.2172		0.2172	0.2172		3,430.1241	3,430.1241	0.0657	0.0629	3,450.9993
Strip Mall	1.09151	0.0118	0.1070	0.0899	6.4000e-004		8.1300e-003	8.1300e-003		8.1300e-003	8.1300e-003		128.4126	128.4126	2.4600e-003	2.3500e-003	129.1941
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Unmitigated	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.8206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	28.6161					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0204	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Total	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.8206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	28.6161					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0204	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Total	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Downtown San Jose East Option)
Santa Clara County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	618.00	1000sqft	3.59	618,000.00	0
Enclosed Parking Structure	1,398.00	Space	0.00	559,200.00	0
Strip Mall	160.00	1000sqft	0.00	160,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation - Tier IV and watering twice a day

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	50.00

tblLandUse	LotAcreage	14.19	3.59
tblLandUse	LotAcreage	12.58	0.00
tblLandUse	LotAcreage	3.67	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	7.3565	51.8456	73.6946	0.1291	18.2360	2.7555	20.9915	9.9757	2.5350	12.5107	0.0000	11,813.8416	11,813.8416	1.2343	0.0000	11,839.7621
2018	279.5163	43.4214	69.0418	0.1290	6.0203	1.7906	7.8109	1.6263	1.6774	3.3038	0.0000	11,543.1908	11,543.1908	0.8705	0.0000	11,561.4712
Total	286.8728	95.2669	142.7364	0.2580	24.2563	4.5460	28.8024	11.6020	4.2125	15.8145	0.0000	23,357.0324	23,357.0324	2.1048	0.0000	23,401.2332

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.5806	24.5156	72.9764	0.1291	8.2996	0.3591	8.3642	4.5138	0.3335	4.5784	0.0000	11,813.8416	11,813.8416	1.2343	0.0000	11,839.7621
2018	279.2474	22.3894	68.9202	0.1290	6.0203	0.3369	6.3572	1.6263	0.3133	1.9396	0.0000	11,543.1908	11,543.1908	0.8705	0.0000	11,561.4712
Total	283.8280	46.9050	141.8966	0.2580	14.3199	0.6960	14.7215	6.1402	0.6468	6.5180	0.0000	23,357.0324	23,357.0324	2.1048	0.0000	23,401.2332

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.06	50.76	0.59	0.00	40.96	84.69	48.89	47.08	84.65	58.78	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Energy	0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933
Mobile	30.0080	47.3536	275.3072	0.7680	57.4047	0.9284	58.3331	15.3049	0.8573	16.1622		55,745.3629	55,745.3629	1.7796		55,782.7339
Total	62.7914	50.3210	278.0198	0.7858	57.4047	1.1546	58.5592	15.3049	1.0834	16.3884		59,304.3758	59,304.3758	1.8490	0.0652	59,363.4295

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Energy	0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933
Mobile	30.0080	47.3536	275.3072	0.7680	57.4047	0.9284	58.3331	15.3049	0.8573	16.1622		55,745.3629	55,745.3629	1.7796		55,782.7339
Total	62.7914	50.3210	278.0198	0.7858	57.4047	1.1546	58.5592	15.3049	1.0834	16.3884		59,304.3758	59,304.3758	1.8490	0.0652	59,363.4295

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/3/2017	5	5	
3	Grading	Grading	2/4/2017	2/15/2017	5	8	
4	Building Construction	Building Construction	2/16/2017	1/3/2018	5	230	
5	Paving	Paving	1/4/2018	1/29/2018	5	18	
6	Architectural Coating	Architectural Coating	1/30/2018	4/9/2018	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 2,005,800; Non-Residential Outdoor: 668,600 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	484.00	219.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	97.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.4739	2.0535	23.8257	0.0399		0.0632	0.0632		0.0632	0.0632	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211
Total	0.4739	2.0535	23.8257	0.0399		0.0632	0.0632		0.0632	0.0632	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000	
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265			4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265			4,028.8432

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769
Total	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.4757	2.0615	21.2415	0.0391		0.0634	0.0634		0.0634	0.0634	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	0.4757	2.0615	21.2415	0.0391	8.1298	0.0634	8.1933	4.4688	0.0634	4.5322	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769
Total	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757		3,043.6667	3,043.6667	0.9326		3,063.2507
Total	3.4555	35.9825	25.3812	0.0297	6.5523	2.0388	8.5912	3.3675	1.8757	5.2432		3,043.6667	3,043.6667	0.9326		3,063.2507

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003		126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003		126.1474

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	0.3625	1.5709	19.6566	0.0297		0.0483	0.0483		0.0483	0.0483	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507
Total	0.3625	1.5709	19.6566	0.0297	2.9486	0.0483	2.9969	1.5154	0.0483	1.5637	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.5218	19.8105	32.9304	0.0519	1.4564	0.2848	1.7412	0.4159	0.2619	0.6778		5,108.0696	5,108.0696	0.0404			5,108.9179
Worker	1.7323	2.4761	22.6350	0.0504	4.5643	0.0336	4.5979	1.2106	0.0310	1.2416		4,065.9667	4,065.9667	0.2090			4,070.3554
Total	4.2541	22.2867	55.5654	0.1023	6.0207	0.3185	6.3391	1.6265	0.2929	1.9194		9,174.0362	9,174.0362	0.2494			9,179.2733

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490
Total	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.5218	19.8105	32.9304	0.0519	1.4564	0.2848	1.7412	0.4159	0.2619	0.6778		5,108.0696	5,108.0696	0.0404			5,108.9179
Worker	1.7323	2.4761	22.6350	0.0504	4.5643	0.0336	4.5979	1.2106	0.0310	1.2416		4,065.9667	4,065.9667	0.2090			4,070.3554
Total	4.2541	22.2867	55.5654	0.1023	6.0207	0.3185	6.3391	1.6265	0.2929	1.9194		9,174.0362	9,174.0362	0.2494			9,179.2733

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.2660	17.9307	31.2727	0.0518	1.4561	0.2637	1.7198	0.4158	0.2426	0.6583		5,018.7356	5,018.7356	0.0397			5,019.5694
Worker	1.5527	2.2298	20.2365	0.0504	4.5643	0.0326	4.5968	1.2106	0.0301	1.2407		3,914.5163	3,914.5163	0.1921			3,918.5501
Total	3.8187	20.1605	51.5092	0.1021	6.0203	0.2963	6.3166	1.6263	0.2727	1.8990		8,933.2519	8,933.2519	0.2318			8,938.1194

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517
Total	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.2660	17.9307	31.2727	0.0518	1.4561	0.2637	1.7198	0.4158	0.2426	0.6583		5,018.7356	5,018.7356	0.0397			5,019.5694
Worker	1.5527	2.2298	20.2365	0.0504	4.5643	0.0326	4.5968	1.2106	0.0301	1.2407		3,914.5163	3,914.5163	0.1921			3,918.5501
Total	3.8187	20.1605	51.5092	0.1021	6.0203	0.2963	6.3166	1.6263	0.2727	1.8990		8,933.2519	8,933.2519	0.2318			8,938.1194

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.4060	14.3192	12.2631	0.0187		0.8272	0.8272		0.7628	0.7628		1,845.0348	1,845.0348	0.5587			1,856.7667
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.4060	14.3192	12.2631	0.0187		0.8272	0.8272		0.7628	0.7628		1,845.0348	1,845.0348	0.5587			1,856.7667

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0642	0.0921	0.8362	2.0800e-003	0.1886	1.3500e-003	0.1900	0.0500	1.2400e-003	0.0513		161.7569	161.7569	7.9400e-003			161.9236
Total	0.0642	0.0921	0.8362	2.0800e-003	0.1886	1.3500e-003	0.1900	0.0500	1.2400e-003	0.0513		161.7569	161.7569	7.9400e-003			161.9236

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2161	0.9363	13.3248	0.0187		0.0288	0.0288		0.0288	0.0288	0.0000	1,845.0348	1,845.0348	0.5587			1,856.7667
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.2161	0.9363	13.3248	0.0187		0.0288	0.0288		0.0288	0.0288	0.0000	1,845.0348	1,845.0348	0.5587			1,856.7667

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0642	0.0921	0.8362	2.0800e-003	0.1886	1.3500e-003	0.1900	0.0500	1.2400e-003	0.0513		161.7569	161.7569	7.9400e-003			161.9236
Total	0.0642	0.0921	0.8362	2.0800e-003	0.1886	1.3500e-003	0.1900	0.0500	1.2400e-003	0.0513		161.7569	161.7569	7.9400e-003			161.9236

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	278.9065					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102
Total	279.2051	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.3112	0.4469	4.0557	0.0101	0.9147	6.5200e-003	0.9213	0.2426	6.0300e-003	0.2487		784.5208	784.5208	0.0385			785.3293
Total	0.3112	0.4469	4.0557	0.0101	0.9147	6.5200e-003	0.9213	0.2426	6.0300e-003	0.2487		784.5208	784.5208	0.0385			785.3293

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	278.9065					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4485	281.4485	0.0267			282.0102
Total	278.9362	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3112	0.4469	4.0557	0.0101	0.9147	6.5200e-003	0.9213	0.2426	6.0300e-003	0.2487		784.5208	784.5208	0.0385		785.3293
Total	0.3112	0.4469	4.0557	0.0101	0.9147	6.5200e-003	0.9213	0.2426	6.0300e-003	0.2487		784.5208	784.5208	0.0385		785.3293

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	30.0080	47.3536	275.3072	0.7680	57.4047	0.9284	58.3331	15.3049	0.8573	16.1622		55,745.3629	55,745.3629	1.7796		55,782.7339
Unmitigated	30.0080	47.3536	275.3072	0.7680	57.4047	0.9284	58.3331	15.3049	0.8573	16.1622		55,745.3629	55,745.3629	1.7796		55,782.7339

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	6,804.18	1,464.66	605.64	12,321,292	12,321,292
Strip Mall	7,091.20	6,726.40	3268.80	9,999,479	9,999,479
Total	13,895.38	8,191.06	3,874.44	22,320,771	22,320,771

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933
NaturalGas Unmitigated	0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	29156.1	0.3144	2.8584	2.4011	0.0172		0.2172	0.2172		0.2172	0.2172		3,430.1241	3,430.1241	0.0657	0.0629	3,450.9993
Strip Mall	1091.51	0.0118	0.1070	0.0899	6.4000e-004		8.1300e-003	8.1300e-003		8.1300e-003	8.1300e-003		128.4126	128.4126	2.4600e-003	2.3500e-003	129.1941
Total		0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	29.1561	0.3144	2.8584	2.4011	0.0172		0.2172	0.2172		0.2172	0.2172		3,430.1241	3,430.1241	0.0657	0.0629	3,450.9993
Strip Mall	1.09151	0.0118	0.1070	0.0899	6.4000e-004		8.1300e-003	8.1300e-003		8.1300e-003	8.1300e-003		128.4126	128.4126	2.4600e-003	2.3500e-003	129.1941
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3262	2.9655	2.4910	0.0178		0.2254	0.2254		0.2254	0.2254		3,558.5367	3,558.5367	0.0682	0.0652	3,580.1933

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Unmitigated	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.8206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	28.6161					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0204	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Total	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.8206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	28.6161					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0204	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022
Total	32.4571	2.0100e-003	0.2216	2.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		0.4762	0.4762	1.2400e-003		0.5022

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

**BART Silicon Valley Santa Clara Extension (Downtown San Jose West Option)
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	35.00	1000sqft	0.38	35,000.00	0
Enclosed Parking Structure	128.00	Space	0.00	51,200.00	0
Strip Mall	10.00	1000sqft	0.00	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation - Tier 3 equipment

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	20.00
tblLandUse	LotAcreage	0.80	0.38
tblLandUse	LotAcreage	1.15	0.00
tblLandUse	LotAcreage	0.23	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.6026	0.9001	0.7123	1.1000e-003	0.0242	0.0572	0.0814	6.7100e-003	0.0530	0.0597	0.0000	98.5721	98.5721	0.0195	0.0000	98.9820
Total	0.6026	0.9001	0.7123	1.1000e-003	0.0242	0.0572	0.0814	6.7100e-003	0.0530	0.0597	0.0000	98.5721	98.5721	0.0195	0.0000	98.9820

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.5269	0.1265	0.6796	1.1000e-003	0.0236	2.4600e-003	0.0261	6.4700e-003	2.3500e-003	8.8200e-003	0.0000	98.5720	98.5720	0.0195	0.0000	98.9819
Total	0.5269	0.1265	0.6796	1.1000e-003	0.0236	2.4600e-003	0.0261	6.4700e-003	2.3500e-003	8.8200e-003	0.0000	98.5720	98.5720	0.0195	0.0000	98.9819

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	12.57	85.94	4.59	0.00	2.32	95.70	67.94	3.58	95.56	85.22	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4260	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0900e-003	3.0900e-003	1.0000e-005	0.0000	3.2600e-003
Energy	3.3800e-003	0.0308	0.0258	1.8000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	365.7440	365.7440	0.0157	3.7200e-003	367.2269
Mobile	0.2537	0.4052	2.2406	6.8700e-003	0.4911	8.2300e-003	0.4993	0.1313	7.6000e-003	0.1389	0.0000	452.5178	452.5178	0.0143	0.0000	452.8186
Waste						0.0000	0.0000		0.0000	0.0000	8.7388	0.0000	8.7388	0.5165	0.0000	19.5841
Water						0.0000	0.0000		0.0000	0.0000	2.2085	15.3024	17.5109	0.2275	5.5000e-003	23.9938
Total	0.6831	0.4360	2.2680	7.0500e-003	0.4911	0.0106	0.5017	0.1313	9.9500e-003	0.1412	10.9473	833.5673	844.5146	0.7740	9.2200e-003	863.6267

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4260	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0900e-003	3.0900e-003	1.0000e-005	0.0000	3.2600e-003
Energy	3.3800e-003	0.0308	0.0258	1.8000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	365.7440	365.7440	0.0157	3.7200e-003	367.2269
Mobile	0.2537	0.4052	2.2406	6.8700e-003	0.4911	8.2300e-003	0.4993	0.1313	7.6000e-003	0.1389	0.0000	452.5178	452.5178	0.0143	0.0000	452.8186
Waste						0.0000	0.0000		0.0000	0.0000	8.7388	0.0000	8.7388	0.5165	0.0000	19.5841
Water						0.0000	0.0000		0.0000	0.0000	2.2085	15.3024	17.5109	0.2275	5.4900e-003	23.9903
Total	0.6831	0.4360	2.2680	7.0500e-003	0.4911	0.0106	0.5017	0.1313	9.9500e-003	0.1412	10.9473	833.5673	844.5146	0.7739	9.2100e-003	863.6232

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.11	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	7/12/2016	5	20	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 144,300; Non-Residential Outdoor: 48,100 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	36.00	16.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.5600e-003	0.0562	0.0435	6.0000e-005		4.0200e-003	4.0200e-003		3.8400e-003	3.8400e-003	0.0000	5.4141	5.4141	1.0800e-003	0.0000	5.4369
Total	6.5600e-003	0.0562	0.0435	6.0000e-005		4.0200e-003	4.0200e-003		3.8400e-003	3.8400e-003	0.0000	5.4141	5.4141	1.0800e-003	0.0000	5.4369

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	2.6000e-004	2.5400e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4011	0.4011	2.0000e-005	0.0000	0.4016
Total	1.9000e-004	2.6000e-004	2.5400e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4011	0.4011	2.0000e-005	0.0000	0.4016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7000e-004	2.8800e-003	0.0393	6.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	5.4141	5.4141	1.0800e-003	0.0000	5.4369
Total	6.7000e-004	2.8800e-003	0.0393	6.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	5.4141	5.4141	1.0800e-003	0.0000	5.4369

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	2.6000e-004	2.5400e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4011	0.4011	2.0000e-005	0.0000	0.4016
Total	1.9000e-004	2.6000e-004	2.5400e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4011	0.4011	2.0000e-005	0.0000	0.4016

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	6.8200e-003	3.6700e-003	0.0000		4.2000e-004	4.2000e-004		3.8000e-004	3.8000e-004	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442
Total	6.8000e-004	6.8200e-003	3.6700e-003	0.0000	2.7000e-004	4.2000e-004	6.9000e-004	3.0000e-005	3.8000e-004	4.1000e-004	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442

3.3 Site Preparation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201	0.0000
Total	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2000e-004	0.0000	1.2000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	2.5000e-004	3.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442
Total	6.0000e-005	2.5000e-004	3.5000e-003	0.0000	1.2000e-004	1.0000e-005	1.3000e-004	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442

3.3 Site Preparation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201
Total	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	0.0112	8.7000e-003	1.0000e-005		8.0000e-004	8.0000e-004		7.7000e-004	7.7000e-004	0.0000	1.0828	1.0828	2.2000e-004	0.0000	1.0874
Total	1.3100e-003	0.0112	8.7000e-003	1.0000e-005	7.5000e-004	8.0000e-004	1.5500e-003	4.1000e-004	7.7000e-004	1.1800e-003	0.0000	1.0828	1.0828	2.2000e-004	0.0000	1.0874

3.4 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	5.0000e-005	5.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0802	0.0802	0.0000	0.0000	0.0803
Total	4.0000e-005	5.0000e-005	5.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0802	0.0802	0.0000	0.0000	0.0803

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.4000e-004	0.0000	3.4000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3000e-004	5.8000e-004	7.8700e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.0828	1.0828	2.2000e-004	0.0000	1.0874
Total	1.3000e-004	5.8000e-004	7.8700e-003	1.0000e-005	3.4000e-004	2.0000e-005	3.6000e-004	1.9000e-004	2.0000e-005	2.1000e-004	0.0000	1.0828	1.0828	2.2000e-004	0.0000	1.0874

3.4 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	5.0000e-005	5.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0802	0.0802	0.0000	0.0000	0.0803
Total	4.0000e-005	5.0000e-005	5.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0802	0.0802	0.0000	0.0000	0.0803

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0691	0.6853	0.4106	5.7000e-004		0.0470	0.0470		0.0432	0.0432	0.0000	53.4584	53.4584	0.0161	0.0000	53.7970
Total	0.0691	0.6853	0.4106	5.7000e-004		0.0470	0.0470		0.0432	0.0432	0.0000	53.4584	53.4584	0.0161	0.0000	53.7970

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5000e-003	0.0799	0.1082	1.9000e-004	5.1700e-003	1.2000e-003	6.3600e-003	1.4800e-003	1.1000e-003	2.5800e-003	0.0000	17.3005	17.3005	1.4000e-004	0.0000	17.3034
Worker	6.7000e-003	9.4200e-003	0.0915	1.9000e-004	0.0164	1.3000e-004	0.0165	4.3600e-003	1.2000e-004	4.4800e-003	0.0000	14.4402	14.4402	7.7000e-004	0.0000	14.4564
Total	0.0162	0.0893	0.1997	3.8000e-004	0.0216	1.3300e-003	0.0229	5.8400e-003	1.2200e-003	7.0600e-003	0.0000	31.7407	31.7407	9.1000e-004	0.0000	31.7598

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9400e-003	0.0301	0.3849	5.7000e-004		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	53.4583	53.4583	0.0161	0.0000	53.7969
Total	6.9400e-003	0.0301	0.3849	5.7000e-004		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	53.4583	53.4583	0.0161	0.0000	53.7969

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5000e-003	0.0799	0.1082	1.9000e-004	5.1700e-003	1.2000e-003	6.3600e-003	1.4800e-003	1.1000e-003	2.5800e-003	0.0000	17.3005	17.3005	1.4000e-004	0.0000	17.3034
Worker	6.7000e-003	9.4200e-003	0.0915	1.9000e-004	0.0164	1.3000e-004	0.0165	4.3600e-003	1.2000e-004	4.4800e-003	0.0000	14.4402	14.4402	7.7000e-004	0.0000	14.4564
Total	0.0162	0.0893	0.1997	3.8000e-004	0.0216	1.3300e-003	0.0229	5.8400e-003	1.2200e-003	7.0600e-003	0.0000	31.7407	31.7407	9.1000e-004	0.0000	31.7598

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8000e-003	0.0266	0.0182	3.0000e-005		1.6500e-003	1.6500e-003		1.5300e-003	1.5300e-003	0.0000	2.4575	2.4575	6.7000e-004	0.0000	2.4717
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.8000e-003	0.0266	0.0182	3.0000e-005		1.6500e-003	1.6500e-003		1.5300e-003	1.5300e-003	0.0000	2.4575	2.4575	6.7000e-004	0.0000	2.4717

3.6 Paving - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614
Total	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7000e-004	1.1900e-003	0.0170	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.4575	2.4575	6.7000e-004	0.0000	2.4717
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.7000e-004	1.1900e-003	0.0170	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.4575	2.4575	6.7000e-004	0.0000	2.4717

3.6 Paving - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614
Total	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5016					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6800e-003	0.0237	0.0188	3.0000e-005		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003	0.0000	2.5533	2.5533	3.0000e-004	0.0000	2.5596
Total	0.5053	0.0237	0.0188	3.0000e-005		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003	0.0000	2.5533	2.5533	3.0000e-004	0.0000	2.5596

3.7 Architectural Coating - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	3.7000e-004	3.5600e-003	1.0000e-005	6.4000e-004	1.0000e-005	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5616	0.5616	3.0000e-005	0.0000	0.5622
Total	2.6000e-004	3.7000e-004	3.5600e-003	1.0000e-005	6.4000e-004	1.0000e-005	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5616	0.5616	3.0000e-005	0.0000	0.5622

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5016					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-004	1.2900e-003	0.0183	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.5533	2.5533	3.0000e-004	0.0000	2.5596
Total	0.5019	1.2900e-003	0.0183	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.5533	2.5533	3.0000e-004	0.0000	2.5596

3.7 Architectural Coating - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	3.7000e-004	3.5600e-003	1.0000e-005	6.4000e-004	1.0000e-005	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5616	0.5616	3.0000e-005	0.0000	0.5622
Total	2.6000e-004	3.7000e-004	3.5600e-003	1.0000e-005	6.4000e-004	1.0000e-005	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5616	0.5616	3.0000e-005	0.0000	0.5622

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2537	0.4052	2.2406	6.8700e-003	0.4911	8.2300e-003	0.4993	0.1313	7.6000e-003	0.1389	0.0000	452.5178	452.5178	0.0143	0.0000	452.8186
Unmitigated	0.2537	0.4052	2.2406	6.8700e-003	0.4911	8.2300e-003	0.4993	0.1313	7.6000e-003	0.1389	0.0000	452.5178	452.5178	0.0143	0.0000	452.8186

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	385.35	82.95	34.30	697,808	697,808
Strip Mall	443.20	420.40	204.30	624,967	624,967
Total	828.55	503.35	238.60	1,322,775	1,322,775

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	332.2529	332.2529	0.0150	3.1100e-003	333.5320
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	332.2529	332.2529	0.0150	3.1100e-003	333.5320
NaturalGas Mitigated	3.3800e-003	0.0308	0.0258	1.8000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	33.4911	33.4911	6.4000e-004	6.1000e-004	33.6950
NaturalGas Unmitigated	3.3800e-003	0.0308	0.0258	1.8000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	33.4911	33.4911	6.4000e-004	6.1000e-004	33.6950

5.2 Energy by Land Use - NaturalGas
Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	602700	3.2500e-003	0.0295	0.0248	1.8000e-004		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	32.1624	32.1624	6.2000e-004	5.9000e-004	32.3581
Strip Mall	24900	1.3000e-004	1.2200e-003	1.0300e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3288	1.3288	3.0000e-005	2.0000e-005	1.3369
Total		3.3800e-003	0.0308	0.0259	1.9000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	33.4911	33.4911	6.5000e-004	6.1000e-004	33.6950

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	602700	3.2500e-003	0.0295	0.0248	1.8000e-004		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	32.1624	32.1624	6.2000e-004	5.9000e-004	32.3581
Strip Mall	24900	1.3000e-004	1.2200e-003	1.0300e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3288	1.3288	3.0000e-005	2.0000e-005	1.3369
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		3.3800e-003	0.0308	0.0259	1.9000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	33.4911	33.4911	6.5000e-004	6.1000e-004	33.6950

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking Structure	335360	97.5601	4.4100e-003	9.1000e-004	97.9357
General Office Building	689850	200.6853	9.0700e-003	1.8800e-003	201.4579
Strip Mall	116900	34.0076	1.5400e-003	3.2000e-004	34.1385
Total		332.2529	0.0150	3.1100e-003	333.5320

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking Structure	335360	97.5601	4.4100e-003	9.1000e-004	97.9357
General Office Building	689850	200.6853	9.0700e-003	1.8800e-003	201.4579
Strip Mall	116900	34.0076	1.5400e-003	3.2000e-004	34.1385
Total		332.2529	0.0150	3.1100e-003	333.5320

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4260	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0900e-003	3.0900e-003	1.0000e-005	0.0000	3.2600e-003
Unmitigated	0.4260	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0900e-003	3.0900e-003	1.0000e-005	0.0000	3.2600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0502					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3757					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5000e-004	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0900e-003	3.0900e-003	1.0000e-005	0.0000	3.2600e-003
Total	0.4260	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0900e-003	3.0900e-003	1.0000e-005	0.0000	3.2600e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0502					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3757					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5000e-004	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0900e-003	3.0900e-003	1.0000e-005	0.0000	3.2600e-003
Total	0.4260	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0900e-003	3.0900e-003	1.0000e-005	0.0000	3.2600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	17.5109	0.2275	5.4900e-003	23.9903
Unmitigated	17.5109	0.2275	5.5000e-003	23.9938

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	6.22068 / 3.81268	15.6477	0.2033	4.9100e-003	21.4408
Strip Mall	0.740725 / 0.453993	1.8632	0.0242	5.9000e-004	2.5531
Total		17.5109	0.2275	5.5000e-003	23.9938

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	6.22068 / 3.81268	15.6477	0.2033	4.9100e-003	21.4376
Strip Mall	0.740725 / 0.453993	1.8632	0.0242	5.8000e-004	2.5527
Total		17.5109	0.2275	5.4900e-003	23.9903

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	8.7388	0.5165	0.0000	19.5841
Unmitigated	8.7388	0.5165	0.0000	19.5841

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
General Office Building	32.55	6.6074	0.3905	0.0000	14.8075
Strip Mall	10.5	2.1314	0.1260	0.0000	4.7766
Total		8.7388	0.5164	0.0000	19.5841

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
General Office Building	32.55	6.6074	0.3905	0.0000	14.8075
Strip Mall	10.5	2.1314	0.1260	0.0000	4.7766
Total		8.7388	0.5164	0.0000	19.5841

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

**BART Silicon Valley Santa Clara Extension (Downtown San Jose West Option)
Santa Clara County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	35.00	1000sqft	0.38	35,000.00	0
Enclosed Parking Structure	128.00	Space	0.00	51,200.00	0
Strip Mall	10.00	1000sqft	0.00	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation - Tier 3 equipment

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	20.00
tblLandUse	LotAcreage	0.80	0.38
tblLandUse	LotAcreage	1.15	0.00
tblLandUse	LotAcreage	0.23	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	50.5588	15.4205	11.9361	0.0192	0.8471	0.9663	1.6517	0.4388	0.8889	1.2068	0.0000	1,903.2095	1,903.2095	0.3755	0.0000	1,911.0959
Total	50.5588	15.4205	11.9361	0.0192	0.8471	0.9663	1.6517	0.4388	0.8889	1.2068	0.0000	1,903.2095	1,903.2095	0.3755	0.0000	1,911.0959

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	50.2201	2.3165	11.4219	0.0192	0.4459	0.0450	0.4909	0.2112	0.0428	0.2296	0.0000	1,903.2095	1,903.2095	0.3755	0.0000	1,911.0959
Total	50.2201	2.3165	11.4219	0.0192	0.4459	0.0450	0.4909	0.2112	0.0428	0.2296	0.0000	1,903.2095	1,903.2095	0.3755	0.0000	1,911.0959

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.67	84.98	4.31	0.00	47.36	95.35	70.28	51.87	95.18	80.97	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Energy	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.5196
Mobile	1.7346	2.5238	14.1302	0.0485	3.3864	0.0546	3.4410	0.9029	0.0504	0.9533		3,506.5378	3,506.5378	0.1049		3,508.7407
Total	4.0883	2.6925	14.2894	0.0495	3.3864	0.0675	3.4538	0.9029	0.0633	0.9662		3,708.8641	3,708.8641	0.1089	3.7100e-003	3,712.3002

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Energy	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.5196
Mobile	1.7346	2.5238	14.1302	0.0485	3.3864	0.0546	3.4410	0.9029	0.0504	0.9533		3,506.5378	3,506.5378	0.1049		3,508.7407
Total	4.0883	2.6925	14.2894	0.0495	3.3864	0.0675	3.4538	0.9029	0.0633	0.9662		3,708.8641	3,708.8641	0.1089	3.7100e-003	3,712.3002

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	7/12/2016	5	20	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 144,300; Non-Residential Outdoor: 48,100 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	36.00	16.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003			95.1037
Total	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003			95.1037

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.1330	0.5765	7.8665	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,193.6106	1,193.6106	0.2386			1,198.6217
Total	0.1330	0.5765	7.8665	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,193.6106	1,193.6106	0.2386			1,198.6217

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003			95.1037
Total	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003			95.1037

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000	
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671		973.0842	973.0842	0.2935			979.2481
Total	1.3593	13.6350	7.3401	9.3500e-003	0.5303	0.8338	1.3640	0.0573	0.7671	0.8243		973.0842	973.0842	0.2935			979.2481

3.3 Site Preparation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003			47.5519
Total	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003			47.5519

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000	
Off-Road	0.1135	0.4917	6.9975	9.3500e-003		0.0151	0.0151		0.0151	0.0151	0.0000	973.0842	973.0842	0.2935			979.2481
Total	0.1135	0.4917	6.9975	9.3500e-003	0.2386	0.0151	0.2537	0.0258	0.0151	0.0409	0.0000	973.0842	973.0842	0.2935			979.2481

3.3 Site Preparation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003			47.5519
Total	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003			47.5519

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000	
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386			1,198.6217
Total	1.3122	11.2385	8.7048	0.0120	0.7528	0.8039	1.5566	0.4138	0.7674	1.1811		1,193.6106	1,193.6106	0.2386			1,198.6217

3.4 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037
Total	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3387	0.0000	0.3387	0.1862	0.0000	0.1862			0.0000			0.0000
Off-Road	0.1330	0.5765	7.8665	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
Total	0.1330	0.5765	7.8665	0.0120	0.3387	0.0177	0.3565	0.1862	0.0177	0.2039	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217

3.4 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037
Total	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555		1,186.0202
Total	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555		1,186.0202

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1723	1.5467	1.7553	3.8200e-003	0.1064	0.0238	0.1302	0.0304	0.0219	0.0523		382.6386	382.6386	3.0300e-003			382.7023
Worker	0.1445	0.1680	1.9687	4.0800e-003	0.3395	2.6200e-003	0.3421	0.0900	2.4000e-003	0.0924		342.0161	342.0161	0.0170			342.3733
Total	0.3167	1.7147	3.7239	7.9000e-003	0.4459	0.0265	0.4724	0.1204	0.0243	0.1447		724.6547	724.6547	0.0200			725.0757

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.1389	0.6019	7.6980	0.0113		0.0185	0.0185		0.0185	0.0185	0.0000	1,178.5549	1,178.5549	0.3555			1,186.0202
Total	0.1389	0.6019	7.6980	0.0113		0.0185	0.0185		0.0185	0.0185	0.0000	1,178.5549	1,178.5549	0.3555			1,186.0202

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1723	1.5467	1.7553	3.8200e-003	0.1064	0.0238	0.1302	0.0304	0.0219	0.0523		382.6386	382.6386	3.0300e-003		382.7023
Worker	0.1445	0.1680	1.9687	4.0800e-003	0.3395	2.6200e-003	0.3421	0.0900	2.4000e-003	0.0924		342.0161	342.0161	0.0170		342.3733
Total	0.3167	1.7147	3.7239	7.9000e-003	0.4459	0.0265	0.4724	0.1204	0.0243	0.1447		724.6547	724.6547	0.0200		725.0757

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.5832	1,083.5832	0.2969		1,089.8175
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.5832	1,083.5832	0.2969		1,089.8175

3.6 Paving - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003			171.1867
Total	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003			171.1867

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.1100	0.4766	6.7829	0.0111		0.0147	0.0147		0.0147	0.0147	0.0000	1,083.5832	1,083.5832	0.2969			1,089.8175
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.1100	0.4766	6.7829	0.0111		0.0147	0.0147		0.0147	0.0147	0.0000	1,083.5832	1,083.5832	0.2969			1,089.8175

3.6 Paving - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003			171.1867
Total	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003			171.1867

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	50.1623					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332			282.1449
Total	50.5308	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332			282.1449

3.7 Architectural Coating - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0281	0.0327	0.3828	7.9000e-004	0.0660	5.1000e-004	0.0665	0.0175	4.7000e-004	0.0180		66.5031	66.5031	3.3100e-003			66.5726
Total	0.0281	0.0327	0.3828	7.9000e-004	0.0660	5.1000e-004	0.0665	0.0175	4.7000e-004	0.0180		66.5031	66.5031	3.3100e-003			66.5726

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	50.1623					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0332			282.1449
Total	50.1920	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0332			282.1449

3.7 Architectural Coating - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0281	0.0327	0.3828	7.9000e-004	0.0660	5.1000e-004	0.0665	0.0175	4.7000e-004	0.0180		66.5031	66.5031	3.3100e-003		66.5726
Total	0.0281	0.0327	0.3828	7.9000e-004	0.0660	5.1000e-004	0.0665	0.0175	4.7000e-004	0.0180		66.5031	66.5031	3.3100e-003		66.5726

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7346	2.5238	14.1302	0.0485	3.3864	0.0546	3.4410	0.9029	0.0504	0.9533		3,506.5378	3,506.5378	0.1049		3,508.7407
Unmitigated	1.7346	2.5238	14.1302	0.0485	3.3864	0.0546	3.4410	0.9029	0.0504	0.9533		3,506.5378	3,506.5378	0.1049		3,508.7407

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	385.35	82.95	34.30	697,808	697,808
Strip Mall	443.20	420.40	204.30	624,967	624,967
Total	828.55	503.35	238.60	1,322,775	1,322,775

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.5196
NaturalGas Unmitigated	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.5196

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1651.23	0.0178	0.1619	0.1360	9.7000e-004		0.0123	0.0123		0.0123	0.0123		194.2627	194.2627	3.7200e-003	3.5600e-003	195.4449
Strip Mall	68.2192	7.4000e-004	6.6900e-003	5.6200e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.0258	8.0258	1.5000e-004	1.5000e-004	8.0746
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0186	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8700e-003	3.7100e-003	203.5196

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1.65123	0.0178	0.1619	0.1360	9.7000e-004		0.0123	0.0123		0.0123	0.0123		194.2627	194.2627	3.7200e-003	3.5600e-003	195.4449
Strip Mall	0.0682192	7.4000e-004	6.6900e-003	5.6200e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.0258	8.0258	1.5000e-004	1.5000e-004	8.0746
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0186	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8700e-003	3.7100e-003	203.5196

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Unmitigated	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6200e-003	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Total	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6200e-003	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Total	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

**BART Silicon Valley Santa Clara Extension (Downtown San Jose West Option)
Santa Clara County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	35.00	1000sqft	0.38	35,000.00	0
Enclosed Parking Structure	128.00	Space	0.00	51,200.00	0
Strip Mall	10.00	1000sqft	0.00	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Construction Off-road Equipment Mitigation - Tier 3 equipment

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	20.00
tblLandUse	LotAcreage	0.80	0.38
tblLandUse	LotAcreage	1.15	0.00
tblLandUse	LotAcreage	0.23	0.00
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	50.5588	15.5282	12.6826	0.0189	0.8471	0.9665	1.6517	0.4388	0.8892	1.2068	0.0000	1,872.721 4	1,872.721 4	0.3756	0.0000	1,880.609 3
Total	50.5588	15.5282	12.6826	0.0189	0.8471	0.9665	1.6517	0.4388	0.8892	1.2068	0.0000	1,872.721 4	1,872.721 4	0.3756	0.0000	1,880.609 3

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	50.2200	2.4242	12.1685	0.0189	0.4459	0.0452	0.4911	0.2112	0.0431	0.2296	0.0000	1,872.721 4	1,872.721 4	0.3756	0.0000	1,880.609 3
Total	50.2200	2.4242	12.1685	0.0189	0.4459	0.0452	0.4911	0.2112	0.0431	0.2296	0.0000	1,872.721 4	1,872.721 4	0.3756	0.0000	1,880.609 3

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.67	84.39	4.05	0.00	47.36	95.32	70.27	51.87	95.16	80.97	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Energy	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.5196
Mobile	1.7852	2.8011	16.3226	0.0453	3.3864	0.0549	3.4412	0.9029	0.0507	0.9535		3,290.0148	3,290.0148	0.1051		3,292.2223
Total	4.1389	2.9698	16.4818	0.0463	3.3864	0.0677	3.4541	0.9029	0.0635	0.9664		3,492.3411	3,492.3411	0.1091	3.7100e-003	3,495.7818

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Energy	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.5196
Mobile	1.7852	2.8011	16.3226	0.0453	3.3864	0.0549	3.4412	0.9029	0.0507	0.9535		3,290.0148	3,290.0148	0.1051		3,292.2223
Total	4.1389	2.9698	16.4818	0.0463	3.3864	0.0677	3.4541	0.9029	0.0635	0.9664		3,492.3411	3,492.3411	0.1091	3.7100e-003	3,495.7818

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	7/12/2016	5	20	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 144,300; Non-Residential Outdoor: 48,100 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	36.00	16.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003			87.4476
Total	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003			87.4476

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.1330	0.5765	7.8665	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,193.6106	1,193.6106	0.2386			1,198.6217
Total	0.1330	0.5765	7.8665	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,193.6106	1,193.6106	0.2386			1,198.6217

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003			87.4476
Total	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003			87.4476

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000	
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671		973.0842	973.0842	0.2935			979.2481
Total	1.3593	13.6350	7.3401	9.3500e-003	0.5303	0.8338	1.3640	0.0573	0.7671	0.8243		973.0842	973.0842	0.2935			979.2481

3.3 Site Preparation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003			43.7238
Total	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003			43.7238

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000	
Off-Road	0.1135	0.4917	6.9975	9.3500e-003		0.0151	0.0151		0.0151	0.0151	0.0000	973.0842	973.0842	0.2935			979.2481
Total	0.1135	0.4917	6.9975	9.3500e-003	0.2386	0.0151	0.2537	0.0258	0.0151	0.0409	0.0000	973.0842	973.0842	0.2935			979.2481

3.3 Site Preparation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003			43.7238
Total	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003			43.7238

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000	
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386			1,198.6217
Total	1.3122	11.2385	8.7048	0.0120	0.7528	0.8039	1.5566	0.4138	0.7674	1.1811		1,193.6106	1,193.6106	0.2386			1,198.6217

3.4 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003		87.4476
Total	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003		87.4476

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3387	0.0000	0.3387	0.1862	0.0000	0.1862			0.0000			0.0000
Off-Road	0.1330	0.5765	7.8665	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
Total	0.1330	0.5765	7.8665	0.0120	0.3387	0.0177	0.3565	0.1862	0.0177	0.2039	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217

3.4 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003			87.4476
Total	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003			87.4476

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555			1,186.0202
Total	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555			1,186.0202

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.2118	1.6170	2.5805	3.8000e-003	0.1064	0.0241	0.1305	0.0304	0.0221	0.0525		379.7126	379.7126	3.1100e-003			379.7779
Worker	0.1442	0.2054	1.8899	3.7500e-003	0.3395	2.6200e-003	0.3421	0.0900	2.4000e-003	0.0924		314.4539	314.4539	0.0170			314.8112
Total	0.3560	1.8224	4.4704	7.5500e-003	0.4459	0.0267	0.4726	0.1204	0.0245	0.1450		694.1665	694.1665	0.0201			694.5891

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.1389	0.6019	7.6980	0.0113		0.0185	0.0185		0.0185	0.0185	0.0000	1,178.5549	1,178.5549	0.3555			1,186.0202
Total	0.1389	0.6019	7.6980	0.0113		0.0185	0.0185		0.0185	0.0185	0.0000	1,178.5549	1,178.5549	0.3555			1,186.0202

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.2118	1.6170	2.5805	3.8000e-003	0.1064	0.0241	0.1305	0.0304	0.0221	0.0525		379.7126	379.7126	3.1100e-003			379.7779
Worker	0.1442	0.2054	1.8899	3.7500e-003	0.3395	2.6200e-003	0.3421	0.0900	2.4000e-003	0.0924		314.4539	314.4539	0.0170			314.8112
Total	0.3560	1.8224	4.4704	7.5500e-003	0.4459	0.0267	0.4726	0.1204	0.0245	0.1450		694.1665	694.1665	0.0201			694.5891

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.5832	1,083.5832	0.2969			1,089.8175
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.5832	1,083.5832	0.2969			1,089.8175

3.6 Paving - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003			157.4056
Total	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003			157.4056

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.1100	0.4766	6.7829	0.0111		0.0147	0.0147		0.0147	0.0147	0.0000	1,083.5832	1,083.5832	0.2969			1,089.8175
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.1100	0.4766	6.7829	0.0111		0.0147	0.0147		0.0147	0.0147	0.0000	1,083.5832	1,083.5832	0.2969			1,089.8175

3.6 Paving - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003			157.4056
Total	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003			157.4056

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	50.1623					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332			282.1449
Total	50.5308	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332			282.1449

3.7 Architectural Coating - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0280	0.0399	0.3675	7.3000e-004	0.0660	5.1000e-004	0.0665	0.0175	4.7000e-004	0.0180		61.1438	61.1438	3.3100e-003			61.2133
Total	0.0280	0.0399	0.3675	7.3000e-004	0.0660	5.1000e-004	0.0665	0.0175	4.7000e-004	0.0180		61.1438	61.1438	3.3100e-003			61.2133

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	50.1623					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0332			282.1449
Total	50.1920	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0332			282.1449

3.7 Architectural Coating - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0280	0.0399	0.3675	7.3000e-004	0.0660	5.1000e-004	0.0665	0.0175	4.7000e-004	0.0180		61.1438	61.1438	3.3100e-003		61.2133
Total	0.0280	0.0399	0.3675	7.3000e-004	0.0660	5.1000e-004	0.0665	0.0175	4.7000e-004	0.0180		61.1438	61.1438	3.3100e-003		61.2133

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7852	2.8011	16.3226	0.0453	3.3864	0.0549	3.4412	0.9029	0.0507	0.9535		3,290.0148	3,290.0148	0.1051		3,292.2223
Unmitigated	1.7852	2.8011	16.3226	0.0453	3.3864	0.0549	3.4412	0.9029	0.0507	0.9535		3,290.0148	3,290.0148	0.1051		3,292.2223

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	385.35	82.95	34.30	697,808	697,808
Strip Mall	443.20	420.40	204.30	624,967	624,967
Total	828.55	503.35	238.60	1,322,775	1,322,775

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.5196
NaturalGas Unmitigated	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.5196

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1651.23	0.0178	0.1619	0.1360	9.7000e-004		0.0123	0.0123		0.0123	0.0123		194.2627	194.2627	3.7200e-003	3.5600e-003	195.4449
Strip Mall	68.2192	7.4000e-004	6.6900e-003	5.6200e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.0258	8.0258	1.5000e-004	1.5000e-004	8.0746
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0186	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8700e-003	3.7100e-003	203.5196

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1.65123	0.0178	0.1619	0.1360	9.7000e-004		0.0123	0.0123		0.0123	0.0123		194.2627	194.2627	3.7200e-003	3.5600e-003	195.4449
Strip Mall	0.0682192	7.4000e-004	6.6900e-003	5.6200e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.0258	8.0258	1.5000e-004	1.5000e-004	8.0746
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0186	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8700e-003	3.7100e-003	203.5196

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Unmitigated	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6200e-003	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Total	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6200e-003	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399
Total	2.3352	1.6000e-004	0.0176	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0379	0.0379	1.0000e-004		0.0399

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

**BART Silicon Valley Santa Clara Extension (Santa Clara Station)
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	500.00	1000sqft	7.36	500,000.00	0
Enclosed Parking with Elevator	2,200.00	Space	0.00	880,000.00	0
Apartments Mid Rise	220.00	Dwelling Unit	0.00	220,000.00	629
Strip Mall	30.00	1000sqft	0.00	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves - Based on BAAQMD Regulation 6, Rule 3

Construction Off-road Equipment Mitigation - Tier IV

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	50.00

tblFireplaces	FireplaceDayYear	4.29	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	92.40	0.00
tblFireplaces	NumberGas	121.00	220.00
tblFireplaces	NumberNoFireplace	68.20	0.00
tblFireplaces	NumberWood	30.80	0.00
tblLandUse	LotAcreage	11.48	7.36
tblLandUse	LotAcreage	19.80	0.00
tblLandUse	LotAcreage	5.79	0.00
tblLandUse	LotAcreage	0.69	0.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblWoodstoves	WoodstoveDayYear	10.82	0.00
tblWoodstoves	WoodstoveWoodMass	954.80	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.9490	6.5574	9.3769	0.0178	0.9996	0.2822	1.2818	0.3113	0.2634	0.5748	0.0000	1,471.4212	1,471.4212	0.1192	0.0000	1,473.9251
2018	9.0070	0.7056	1.0991	2.2900e-003	0.1133	0.0319	0.1451	0.0305	0.0299	0.0604	0.0000	182.6444	182.6444	0.0170	0.0000	183.0010
Total	9.9560	7.2630	10.4760	0.0201	1.1129	0.3140	1.4269	0.3418	0.2934	0.6351	0.0000	1,654.0656	1,654.0656	0.1362	0.0000	1,656.9261

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.5691	3.0198	9.0527	0.0178	0.9139	0.0454	0.9593	0.2655	0.0423	0.3077	0.0000	1,471.4208	1,471.4208	0.1192	0.0000	1,473.9247
2018	8.9635	0.2887	1.1217	2.2900e-003	0.1133	4.6400e-003	0.1179	0.0305	4.3400e-003	0.0348	0.0000	182.6444	182.6444	0.0170	0.0000	183.0010
Total	9.5326	3.3085	10.1745	0.0201	1.0271	0.0501	1.0772	0.2959	0.0466	0.3425	0.0000	1,654.0652	1,654.0652	0.1362	0.0000	1,656.9256

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	4.25	54.45	2.88	0.00	7.70	84.05	24.51	13.41	84.12	46.07	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.3074	0.0190	1.6570	9.0000e-005		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	2.7171	2.7171	2.6800e-003	0.0000	2.7734
Energy	0.0565	0.5081	0.3927	3.0800e-003		0.0390	0.0390		0.0390	0.0390	0.0000	5,478.9782	5,478.9782	0.2332	0.0563	5,501.3202
Mobile	2.5781	4.4493	24.0459	0.0779	5.5997	0.0919	5.6916	1.4972	0.0848	1.5820	0.0000	5,127.2599	5,127.2599	0.1604	0.0000	5,130.6281
Waste						0.0000	0.0000		0.0000	0.0000	121.3277	0.0000	121.3277	7.1703	0.0000	271.9032
Water						0.0000	0.0000		0.0000	0.0000	33.4458	231.9938	265.4397	3.4457	0.0833	363.6171
Total	9.9419	4.9764	26.0955	0.0810	5.5997	0.1401	5.7397	1.4972	0.1330	1.6302	154.7735	10,840.9490	10,995.7225	11.0122	0.1396	11,270.2421

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.3074	0.0190	1.6570	9.0000e-005		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	2.7171	2.7171	2.6800e-003	0.0000	2.7734
Energy	0.0565	0.5081	0.3927	3.0800e-003		0.0390	0.0390		0.0390	0.0390	0.0000	5,478.9782	5,478.9782	0.2332	0.0563	5,501.3202
Mobile	2.5781	4.4493	24.0459	0.0779	5.5997	0.0919	5.6916	1.4972	0.0848	1.5820	0.0000	5,127.2599	5,127.2599	0.1604	0.0000	5,130.6281
Waste						0.0000	0.0000		0.0000	0.0000	121.3277	0.0000	121.3277	7.1703	0.0000	271.9032
Water						0.0000	0.0000		0.0000	0.0000	33.4458	231.9938	265.4397	3.4451	0.0832	363.5637
Total	9.9419	4.9764	26.0955	0.0810	5.5997	0.1401	5.7397	1.4972	0.1330	1.6302	154.7735	10,840.9490	10,995.7225	11.0116	0.1394	11,270.1887

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/10/2017	5	10	
3	Grading	Grading	2/11/2017	3/10/2017	5	20	
4	Building Construction	Building Construction	3/11/2017	1/26/2018	5	230	
5	Paving	Paving	1/27/2018	2/23/2018	5	20	
6	Architectural Coating	Architectural Coating	2/24/2018	5/4/2018	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

**Residential Indoor: 445,500; Residential Outdoor: 148,500; Non-Residential Indoor: 2,115,000; Non-Residential Outdoor: 705,000
(Architectural Coating – sqft)**

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	698.00	255.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	140.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0405	0.4270	0.3389	4.0000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	36.6182	36.6182	0.0101	0.0000	36.8292
Total	0.0405	0.4270	0.3389	4.0000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	36.6182	36.6182	0.0101	0.0000	36.8292

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586
Total	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.7400e-003	0.0205	0.2383	4.0000e-004		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004	0.0000	36.6182	36.6182	0.0101	0.0000	36.8291
Total	4.7400e-003	0.0205	0.2383	4.0000e-004		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004	0.0000	36.6182	36.6182	0.0101	0.0000	36.8291

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586
Total	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0242	0.2588	0.1970	2.0000e-004		0.0138	0.0138		0.0127	0.0127	0.0000	18.1577	18.1577	5.5600e-003	0.0000	18.2745
Total	0.0242	0.2588	0.1970	2.0000e-004	0.0903	0.0138	0.1041	0.0497	0.0127	0.0623	0.0000	18.1577	18.1577	5.5600e-003	0.0000	18.2745

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	4.2000e-004	4.0900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6944	0.6944	4.0000e-005	0.0000	0.6952
Total	3.0000e-004	4.2000e-004	4.0900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6944	0.6944	4.0000e-005	0.0000	0.6952

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0407	0.0000	0.0407	0.0223	0.0000	0.0223	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3800e-003	0.0103	0.1062	2.0000e-004		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	18.1577	18.1577	5.5600e-003	0.0000	18.2745
Total	2.3800e-003	0.0103	0.1062	2.0000e-004	0.0407	3.2000e-004	0.0410	0.0223	3.2000e-004	0.0227	0.0000	18.1577	18.1577	5.5600e-003	0.0000	18.2745

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	4.2000e-004	4.0900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6944	0.6944	4.0000e-005	0.0000	0.6952
Total	3.0000e-004	4.2000e-004	4.0900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6944	0.6944	4.0000e-005	0.0000	0.6952

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0346	0.3598	0.2538	3.0000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	27.6117	27.6117	8.4600e-003	0.0000	27.7893
Total	0.0346	0.3598	0.2538	3.0000e-004	0.0655	0.0204	0.0859	0.0337	0.0188	0.0524	0.0000	27.6117	27.6117	8.4600e-003	0.0000	27.7893

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586
Total	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0295	0.0000	0.0295	0.0152	0.0000	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6300e-003	0.0157	0.1966	3.0000e-004		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	27.6117	27.6117	8.4600e-003	0.0000	27.7893
Total	3.6300e-003	0.0157	0.1966	3.0000e-004	0.0295	4.8000e-004	0.0300	0.0152	4.8000e-004	0.0156	0.0000	27.6117	27.6117	8.4600e-003	0.0000	27.7893

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586
Total	5.0000e-004	7.0000e-004	6.8200e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1574	1.1574	6.0000e-005	0.0000	1.1586

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3258	2.7726	1.9036	2.8100e-003		0.1870	0.1870		0.1757	0.1757	0.0000	251.4531	251.4531	0.0619	0.0000	252.7527
Total	0.3258	2.7726	1.9036	2.8100e-003		0.1870	0.1870		0.1757	0.1757	0.0000	251.4531	251.4531	0.0619	0.0000	252.7527

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2785	2.3936	3.3357	6.3600e-003	0.1729	0.0346	0.2076	0.0496	0.0318	0.0814	0.0000	569.0906	569.0906	4.4100e-003	0.0000	569.1833
Worker	0.2443	0.3438	3.3301	7.7300e-003	0.6673	5.0900e-003	0.6724	0.1775	4.6900e-003	0.1822	0.0000	565.4809	565.4809	0.0287	0.0000	566.0838
Total	0.5227	2.7374	6.6658	0.0141	0.8402	0.0397	0.8799	0.2270	0.0365	0.2636	0.0000	1,134.5715	1,134.5715	0.0331	0.0000	1,135.2670

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0343	0.2340	1.8282	2.8100e-003		4.2600e-003	4.2600e-003		4.2600e-003	4.2600e-003	0.0000	251.4528	251.4528	0.0619	0.0000	252.7524
Total	0.0343	0.2340	1.8282	2.8100e-003		4.2600e-003	4.2600e-003		4.2600e-003	4.2600e-003	0.0000	251.4528	251.4528	0.0619	0.0000	252.7524

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2785	2.3936	3.3357	6.3600e-003	0.1729	0.0346	0.2076	0.0496	0.0318	0.0814	0.0000	569.0906	569.0906	4.4100e-003	0.0000	569.1833
Worker	0.2443	0.3438	3.3301	7.7300e-003	0.6673	5.0900e-003	0.6724	0.1775	4.6900e-003	0.1822	0.0000	565.4809	565.4809	0.0287	0.0000	566.0838
Total	0.5227	2.7374	6.6658	0.0141	0.8402	0.0397	0.8799	0.2270	0.0365	0.2636	0.0000	1,134.5715	1,134.5715	0.0331	0.0000	1,135.2670

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0267	0.2326	0.1753	2.7000e-004		0.0149	0.0149		0.0141	0.0141	0.0000	23.6770	23.6770	5.7900e-003	0.0000	23.7987
Total	0.0267	0.2326	0.1753	2.7000e-004		0.0149	0.0149		0.0141	0.0141	0.0000	23.6770	23.6770	5.7900e-003	0.0000	23.7987

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0240	0.2064	0.2992	6.0000e-004	0.0165	3.0500e-003	0.0195	4.7200e-003	2.8100e-003	7.5300e-003	0.0000	53.2519	53.2519	4.1000e-004	0.0000	53.2606
Worker	0.0209	0.0295	0.2845	7.4000e-004	0.0636	4.7000e-004	0.0640	0.0169	4.3000e-004	0.0173	0.0000	51.8501	51.8501	2.5100e-003	0.0000	51.9029
Total	0.0449	0.2358	0.5837	1.3400e-003	0.0800	3.5200e-003	0.0835	0.0216	3.2400e-003	0.0249	0.0000	105.1020	105.1020	2.9200e-003	0.0000	105.1634

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.2600e-003	0.0223	0.1741	2.7000e-004		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	23.6769	23.6769	5.7900e-003	0.0000	23.7986
Total	3.2600e-003	0.0223	0.1741	2.7000e-004		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	23.6769	23.6769	5.7900e-003	0.0000	23.7986

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0240	0.2064	0.2992	6.0000e-004	0.0165	3.0500e-003	0.0195	4.7200e-003	2.8100e-003	7.5300e-003	0.0000	53.2519	53.2519	4.1000e-004	0.0000	53.2606
Worker	0.0209	0.0295	0.2845	7.4000e-004	0.0636	4.7000e-004	0.0640	0.0169	4.3000e-004	0.0173	0.0000	51.8501	51.8501	2.5100e-003	0.0000	51.9029
Total	0.0449	0.2358	0.5837	1.3400e-003	0.0800	3.5200e-003	0.0835	0.0216	3.2400e-003	0.0249	0.0000	105.1020	105.1020	2.9200e-003	0.0000	105.1634

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0161	0.1716	0.1449	2.2000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0161	0.1716	0.1449	2.2000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	6.3000e-004	6.1100e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1143	1.1143	5.0000e-005	0.0000	1.1154
Total	4.5000e-004	6.3000e-004	6.1100e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1143	1.1143	5.0000e-005	0.0000	1.1154

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7500e-003	0.0119	0.1693	2.2000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.7500e-003	0.0119	0.1693	2.2000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	6.3000e-004	6.1100e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1143	1.1143	5.0000e-005	0.0000	1.1154
Total	4.5000e-004	6.3000e-004	6.1100e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1143	1.1143	5.0000e-005	0.0000	1.1154

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	8.9009					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4700e-003	0.0501	0.0464	7.0000e-005		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	6.3832	6.3832	6.1000e-004	0.0000	6.3959
Total	8.9084	0.0501	0.0464	7.0000e-005		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	6.3832	6.3832	6.1000e-004	0.0000	6.3959

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0105	0.0148	0.1427	3.7000e-004	0.0319	2.4000e-004	0.0321	8.4700e-003	2.2000e-004	8.6900e-003	0.0000	25.9993	25.9993	1.2600e-003	0.0000	26.0258	
Total	0.0105	0.0148	0.1427	3.7000e-004	0.0319	2.4000e-004	0.0321	8.4700e-003	2.2000e-004	8.6900e-003	0.0000	25.9993	25.9993	1.2600e-003	0.0000	26.0258	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	8.9009					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4000e-004	3.2200e-003	0.0458	7.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	6.3831	6.3831	6.1000e-004	0.0000	6.3959
Total	8.9017	3.2200e-003	0.0458	7.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	6.3831	6.3831	6.1000e-004	0.0000	6.3959

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0105	0.0148	0.1427	3.7000e-004	0.0319	2.4000e-004	0.0321	8.4700e-003	2.2000e-004	8.6900e-003	0.0000	25.9993	25.9993	1.2600e-003	0.0000	26.0258
Total	0.0105	0.0148	0.1427	3.7000e-004	0.0319	2.4000e-004	0.0321	8.4700e-003	2.2000e-004	8.6900e-003	0.0000	25.9993	25.9993	1.2600e-003	0.0000	26.0258

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.5781	4.4493	24.0459	0.0779	5.5997	0.0919	5.6916	1.4972	0.0848	1.5820	0.0000	5,127.2599	5,127.2599	0.1604	0.0000	5,130.6281
Unmitigated	2.5781	4.4493	24.0459	0.0779	5.5997	0.0919	5.6916	1.4972	0.0848	1.5820	0.0000	5,127.2599	5,127.2599	0.1604	0.0000	5,130.6281

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,449.80	1,575.20	1335.40	3,239,992	3,239,992
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	5,505.00	1,185.00	490.00	9,968,683	9,968,683
Strip Mall	1,329.60	1,261.20	612.90	1,874,902	1,874,902
Total	8,284.40	4,021.40	2,438.30	15,083,578	15,083,578

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.0.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,920.1109	4,920.1109	0.2225	0.0460	4,939.0518
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,920.1109	4,920.1109	0.2225	0.0460	4,939.0518
NaturalGas Mitigated	0.0565	0.5081	0.3927	3.0800e-003		0.0390	0.0390		0.0390	0.0390	0.0000	558.8672	558.8672	0.0107	0.0103	562.2684
NaturalGas Unmitigated	0.0565	0.5081	0.3927	3.0800e-003		0.0390	0.0390		0.0390	0.0390	0.0000	558.8672	558.8672	0.0107	0.0103	562.2684

5.2 Energy by Land Use - NaturalGas
Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.78808e+006	9.6400e-003	0.0824	0.0351	5.3000e-004		6.6600e-003	6.6600e-003		6.6600e-003	6.6600e-003	0.0000	95.4186	95.4186	1.8300e-003	1.7500e-003	95.9993
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	8.61e+006	0.0464	0.4221	0.3545	2.5300e-003		0.0321	0.0321		0.0321	0.0321	0.0000	459.4624	459.4624	8.8100e-003	8.4200e-003	462.2586
Strip Mall	74700	4.0000e-004	3.6600e-003	3.0800e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	3.9863	3.9863	8.0000e-005	7.0000e-005	4.0105
Total		0.0565	0.5081	0.3927	3.0800e-003		0.0390	0.0390		0.0390	0.0390	0.0000	558.8672	558.8672	0.0107	0.0102	562.2684

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	8.61e+006	0.0464	0.4221	0.3545	2.5300e-003		0.0321	0.0321		0.0321	0.0321	0.0000	459.4624	459.4624	8.8100e-003	8.4200e-003	462.2586
Strip Mall	74700	4.0000e-004	3.6600e-003	3.0800e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	3.9863	3.9863	8.0000e-005	7.0000e-005	4.0105
Apartments Mid Rise	1.78808e+006	9.6400e-003	0.0824	0.0351	5.3000e-004		6.6600e-003	6.6600e-003		6.6600e-003	6.6600e-003	0.0000	95.4186	95.4186	1.8300e-003	1.7500e-003	95.9993
Total		0.0565	0.5081	0.3927	3.0800e-003		0.0390	0.0390		0.0390	0.0390	0.0000	558.8672	558.8672	0.0107	0.0102	562.2684

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	775843	225.7017	0.0102	2.1100e-003	226.5706
Enclosed Parking with Elevator	5.9312e+006	1,725.4541	0.0780	0.0161	1,732.0966
General Office Building	9.855e+006	2,866.9325	0.1296	0.0268	2,877.9693
Strip Mall	350700	102.0227	4.6100e-003	9.5000e-004	102.4154
Total		4,920.1109	0.2225	0.0460	4,939.0519

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	775843	225.7017	0.0102	2.1100e-003	226.5706
Enclosed Parking with Elevator	5.9312e+006	1,725.4541	0.0780	0.0161	1,732.0966
General Office Building	9.855e+006	2,866.9325	0.1296	0.0268	2,877.9693
Strip Mall	350700	102.0227	4.6100e-003	9.5000e-004	102.4154
Total		4,920.1109	0.2225	0.0460	4,939.0519

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.3074	0.0190	1.6570	9.0000e-005		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	2.7171	2.7171	2.6800e-003	0.0000	2.7734
Unmitigated	7.3074	0.0190	1.6570	9.0000e-005		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	2.7171	2.7171	2.6800e-003	0.0000	2.7734

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.8901					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.3660					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0513	0.0190	1.6570	9.0000e-005		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	2.7171	2.7171	2.6800e-003	0.0000	2.7734
Total	7.3074	0.0190	1.6570	9.0000e-005		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	2.7171	2.7171	2.6800e-003	0.0000	2.7734

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.8901					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.3660					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0513	0.0190	1.6570	9.0000e-005		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	2.7171	2.7171	2.6800e-003	0.0000	2.7734
Total	7.3074	0.0190	1.6570	9.0000e-005		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	2.7171	2.7171	2.6800e-003	0.0000	2.7734

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	265.4397	3.4451	0.0832	363.5637
Unmitigated	265.4397	3.4457	0.0833	363.6171

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	14.3339 / 9.03658	36.3117	0.4685	0.0113	49.6613
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	88.8669 / 54.4668	223.5382	2.9046	0.0702	306.2966
Strip Mall	2.22218 / 1.36198	5.5897	0.0726	1.7600e-003	7.6592
Total		265.4397	3.4457	0.0833	363.6171

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	14.3339 / 9.03658	36.3117	0.4684	0.0113	49.6541
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	88.8669 / 54.4668	223.5382	2.9040	0.0701	306.2516
Strip Mall	2.22218 / 1.36198	5.5897	0.0726	1.7500e-003	7.6580
Total		265.4397	3.4451	0.0832	363.5637

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	121.3277	7.1703	0.0000	271.9032
Unmitigated	121.3277	7.1703	0.0000	271.9032

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	101.2	20.5427	1.2140	0.0000	46.0375
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	465	94.3908	5.5783	0.0000	211.5359
Strip Mall	31.5	6.3942	0.3779	0.0000	14.3299
Total		121.3277	7.1703	0.0000	271.9032

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	101.2	20.5427	1.2140	0.0000	46.0375
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	465	94.3908	5.5783	0.0000	211.5359
Strip Mall	31.5	6.3942	0.3779	0.0000	14.3299
Total		121.3277	7.1703	0.0000	271.9032

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Santa Clara Station)
Santa Clara County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	500.00	1000sqft	7.36	500,000.00	0
Enclosed Parking with Elevator	2,200.00	Space	0.00	880,000.00	0
Apartments Mid Rise	220.00	Dwelling Unit	0.00	220,000.00	629
Strip Mall	30.00	1000sqft	0.00	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves - Based on BAAQMD Regulation 6, Rule 3

Construction Off-road Equipment Mitigation - Tier IV

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	50.00

tblFireplaces	FireplaceDayYear	4.29	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	92.40	0.00
tblFireplaces	NumberGas	121.00	220.00
tblFireplaces	NumberNoFireplace	68.20	0.00
tblFireplaces	NumberWood	30.80	0.00
tblLandUse	LotAcreage	11.48	7.36
tblLandUse	LotAcreage	19.80	0.00
tblLandUse	LotAcreage	5.79	0.00
tblLandUse	LotAcreage	0.69	0.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblWoodstoves	WoodstoveDayYear	10.82	0.00
tblWoodstoves	WoodstoveWoodMass	954.80	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	8.0420	51.8288	77.5895	0.1666	18.2360	2.7555	20.9915	9.9757	2.5350	12.5107	0.0000	15,011.9988	15,011.9988	1.2343	0.0000	15,037.9193
2018	356.7926	45.8810	71.7520	0.1664	8.2778	1.8453	10.1230	2.2299	1.7278	3.9577	0.0000	14,640.4593	14,640.4593	0.9607	0.0000	14,660.6343
Total	364.8346	97.7098	149.3415	0.3330	26.5138	4.6008	31.1145	12.2056	4.2629	16.4685	0.0000	29,652.4581	29,652.4581	2.1950	0.0000	29,698.5536

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	5.2661	27.2249	76.8713	0.1666	8.2996	0.4175	8.6956	4.5138	0.3872	4.5784	0.0000	15,011.9988	15,011.9988	1.2343	0.0000	15,037.9193
2018	356.5237	24.8491	71.6304	0.1664	8.2778	0.3916	8.6694	2.2299	0.3637	2.5936	0.0000	14,640.4593	14,640.4593	0.9607	0.0000	14,660.6343
Total	361.7898	52.0740	148.5017	0.3330	16.5773	0.8091	17.3650	6.7437	0.7509	7.1720	0.0000	29,652.4581	29,652.4581	2.1950	0.0000	29,698.5536

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.83	46.71	0.56	0.00	37.48	82.41	44.19	44.75	82.39	56.45	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	40.3293	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016	0.0000	33.2790	33.2790	0.0329	0.0000	33.9688
Energy	0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360
Mobile	18.2015	28.4401	158.3526	0.5629	39.5348	0.6255	40.1603	10.5406	0.5776	11.1181		40,709.3059	40,709.3059	1.2049		40,734.6081
Total	58.8402	31.4357	178.9152	0.5807	39.5348	0.9409	40.4757	10.5406	0.8930	11.4335	0.0000	44,118.1776	44,118.1776	1.3024	0.0619	44,164.7129

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	40.3293	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016	0.0000	33.2790	33.2790	0.0329	0.0000	33.9688
Energy	0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360
Mobile	18.2015	28.4401	158.3526	0.5629	39.5348	0.6255	40.1603	10.5406	0.5776	11.1181		40,709.3059	40,709.3059	1.2049		40,734.6081
Total	58.8402	31.4357	178.9152	0.5807	39.5348	0.9409	40.4757	10.5406	0.8930	11.4335	0.0000	44,118.1776	44,118.1776	1.3024	0.0619	44,164.7129

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/10/2017	5	10	
3	Grading	Grading	2/11/2017	3/10/2017	5	20	
4	Building Construction	Building Construction	3/11/2017	1/26/2018	5	230	
5	Paving	Paving	1/27/2018	2/23/2018	5	20	
6	Architectural Coating	Architectural Coating	2/24/2018	5/4/2018	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 445,500; Residential Outdoor: 148,500; Non-Residential Indoor: 2,115,000; Non-Residential Outdoor: 705,000
(Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	698.00	255.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	140.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.4739	2.0535	23.8257	0.0399		0.0632	0.0632		0.0632	0.0632	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211
Total	0.4739	2.0535	23.8257	0.0399		0.0632	0.0632		0.0632	0.0632	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000				0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265			4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265			4,028.8432

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003			164.6504
Total	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003			164.6504

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000				0.0000
Off-Road	0.4757	2.0615	21.2415	0.0391		0.0634	0.0634		0.0634	0.0634	0.0000	4,003.0859	4,003.0859	1.2265			4,028.8432
Total	0.4757	2.0615	21.2415	0.0391	8.1298	0.0634	8.1933	4.4688	0.0634	4.5322	0.0000	4,003.0859	4,003.0859	1.2265			4,028.8432

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003			164.6504
Total	0.0650	0.0753	0.8834	2.0400e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		164.4872	164.4872	7.7700e-003			164.6504

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000				0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757		3,043.6667	3,043.6667	0.9326			3,063.2507
Total	3.4555	35.9825	25.3812	0.0297	6.5523	2.0388	8.5912	3.3675	1.8757	5.2432		3,043.6667	3,043.6667	0.9326			3,063.2507

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000				0.0000
Off-Road	0.3625	1.5709	19.6566	0.0297		0.0483	0.0483		0.0483	0.0483	0.0000	3,043.6667	3,043.6667	0.9326			3,063.2507
Total	0.3625	1.5709	19.6566	0.0297	2.9486	0.0483	2.9969	1.5154	0.0483	1.5637	0.0000	3,043.6667	3,043.6667	0.9326			3,063.2507

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087
Total	0.0542	0.0628	0.7361	1.7000e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.0727	137.0727	6.4800e-003			137.2087

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.4192	22.0760	25.2051	0.0607	1.6958	0.3283	2.0241	0.4843	0.3019	0.7862		5,993.745 4	5,993.745 4	0.0458			5,994.707 9
Worker	2.5204	2.9200	34.2553	0.0791	6.5824	0.0485	6.6309	1.7458	0.0447	1.7905		6,378.448 1	6,378.448 1	0.3014			6,384.777 3
Total	4.9396	24.9960	59.4603	0.1398	8.2782	0.3768	8.6550	2.2301	0.3466	2.5767		12,372.19 35	12,372.19 35	0.3472			12,379.48 52

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,639.805 3	2,639.805 3	0.6497			2,653.449 0
Total	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,639.805 3	2,639.805 3	0.6497			2,653.449 0

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.4192	22.0760	25.2051	0.0607	1.6958	0.3283	2.0241	0.4843	0.3019	0.7862		5,993.745 4	5,993.745 4	0.0458			5,994.707 9
Worker	2.5204	2.9200	34.2553	0.0791	6.5824	0.0485	6.6309	1.7458	0.0447	1.7905		6,378.448 1	6,378.448 1	0.3014			6,384.777 3
Total	4.9396	24.9960	59.4603	0.1398	8.2782	0.3768	8.6550	2.2301	0.3466	2.5767		12,372.19 35	12,372.19 35	0.3472			12,379.48 52

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.939 0	2,609.939 0	0.6387			2,623.351 7
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.939 0	2,609.939 0	0.6387			2,623.351 7

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.2024	19.9911	23.3540	0.0605	1.6954	0.3041	1.9995	0.4841	0.2796	0.7637		5,889.0476	5,889.0476	0.0450			5,889.9924
Worker	2.2757	2.6291	30.8654	0.0791	6.5824	0.0470	6.6293	1.7458	0.0434	1.7892		6,141.4728	6,141.4728	0.2770			6,147.2901
Total	4.4781	22.6202	54.2194	0.1396	8.2778	0.3510	8.6288	2.2299	0.3230	2.5530		12,030.5204	12,030.5204	0.3220			12,037.2826

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517
Total	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.2024	19.9911	23.3540	0.0605	1.6954	0.3041	1.9995	0.4841	0.2796	0.7637		5,889.0476	5,889.0476	0.0450			5,889.9924
Worker	2.2757	2.6291	30.8654	0.0791	6.5824	0.0470	6.6293	1.7458	0.0434	1.7892		6,141.4728	6,141.4728	0.2770			6,147.2901
Total	4.4781	22.6202	54.2194	0.1396	8.2778	0.3510	8.6288	2.2299	0.3230	2.5530		12,030.5204	12,030.5204	0.3220			12,037.2826

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990			2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990			2,259.9481

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0489	0.0565	0.6633	1.7000e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		131.9801	131.9801	5.9500e-003			132.1051
Total	0.0489	0.0565	0.6633	1.7000e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		131.9801	131.9801	5.9500e-003			132.1051

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2745	1.1895	16.9276	0.0223		0.0366	0.0366		0.0366	0.0366	0.0000	2,245.2695	2,245.2695	0.6990			2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.2745	1.1895	16.9276	0.0223		0.0366	0.0366		0.0366	0.0366	0.0000	2,245.2695	2,245.2695	0.6990			2,259.9481

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0489	0.0565	0.6633	1.7000e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		131.9801	131.9801	5.9500e-003			132.1051
Total	0.0489	0.0565	0.6633	1.7000e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		131.9801	131.9801	5.9500e-003			132.1051

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	356.0375					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102
Total	356.3362	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.4565	0.5273	6.1908	0.0159	1.3202	9.4200e-003	1.3297	0.3502	8.7100e-003	0.3589		1,231.8140	1,231.8140	0.0556			1,232.9808
Total	0.4565	0.5273	6.1908	0.0159	1.3202	9.4200e-003	1.3297	0.3502	8.7100e-003	0.3589		1,231.8140	1,231.8140	0.0556			1,232.9808

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	356.0375					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4485	281.4485	0.0267			282.0102
Total	356.0672	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4565	0.5273	6.1908	0.0159	1.3202	9.4200e-003	1.3297	0.3502	8.7100e-003	0.3589		1,231.8140	1,231.8140	0.0556		1,232.9808
Total	0.4565	0.5273	6.1908	0.0159	1.3202	9.4200e-003	1.3297	0.3502	8.7100e-003	0.3589		1,231.8140	1,231.8140	0.0556		1,232.9808

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.2015	28.4401	158.3526	0.5629	39.5348	0.6255	40.1603	10.5406	0.5776	11.1181		40,709.3059	40,709.3059	1.2049		40,734.6081
Unmitigated	18.2015	28.4401	158.3526	0.5629	39.5348	0.6255	40.1603	10.5406	0.5776	11.1181		40,709.3059	40,709.3059	1.2049		40,734.6081

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,449.80	1,575.20	1335.40	3,239,992	3,239,992
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	5,505.00	1,185.00	490.00	9,968,683	9,968,683
Strip Mall	1,329.60	1,261.20	612.90	1,874,902	1,874,902
Total	8,284.40	4,021.40	2,438.30	15,083,578	15,083,578

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360
NaturalGas Unmitigated	0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	4898.84	0.0528	0.4515	0.1921	2.8800e-003		0.0365	0.0365		0.0365	0.0365		576.3341	576.3341	0.0111	0.0106	579.8415
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	23589	0.2544	2.3127	1.9426	0.0139		0.1758	0.1758		0.1758	0.1758		2,775.1813	2,775.1813	0.0532	0.0509	2,792.0706
Strip Mall	204.658	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003		24.0774	24.0774	4.6000e-004	4.4000e-004	24.2239
Total		0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	23.589	0.2544	2.3127	1.9426	0.0139		0.1758	0.1758		0.1758	0.1758		2,775.1813	2,775.1813	0.0532	0.0509	2,792.0706
Strip Mall	0.204658	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003		24.0774	24.0774	4.6000e-004	4.4000e-004	24.2239
Apartments Mid Rise	4.89884	0.0528	0.4515	0.1921	2.8800e-003		0.0365	0.0365		0.0365	0.0365		576.3341	576.3341	0.0111	0.0106	579.8415
Total		0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	40.3293	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016	0.0000	33.2790	33.2790	0.0329	0.0000	33.9688
Unmitigated	40.3293	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016	0.0000	33.2790	33.2790	0.0329	0.0000	33.9688

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.8772					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	34.8820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.5700	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016		33.2790	33.2790	0.0329		33.9688
Total	40.3293	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016	0.0000	33.2790	33.2790	0.0329	0.0000	33.9688

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.8772					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	34.8820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.5700	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016		33.2790	33.2790	0.0329		33.9688
Total	40.3293	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016	0.0000	33.2790	33.2790	0.0329	0.0000	33.9688

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley Santa Clara Extension (Santa Clara Station)
Santa Clara County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	500.00	1000sqft	7.36	500,000.00	0
Enclosed Parking with Elevator	2,200.00	Space	0.00	880,000.00	0
Apartments Mid Rise	220.00	Dwelling Unit	0.00	220,000.00	629
Strip Mall	30.00	1000sqft	0.00	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves - Based on BAAQMD Regulation 6, Rule 3

Construction Off-road Equipment Mitigation - Tier IV

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	50.00

tblFireplaces	FireplaceDayYear	4.29	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	92.40	0.00
tblFireplaces	NumberGas	121.00	220.00
tblFireplaces	NumberNoFireplace	68.20	0.00
tblFireplaces	NumberWood	30.80	0.00
tblLandUse	LotAcreage	11.48	7.36
tblLandUse	LotAcreage	19.80	0.00
tblLandUse	LotAcreage	5.79	0.00
tblLandUse	LotAcreage	0.69	0.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblWoodstoves	WoodstoveDayYear	10.82	0.00
tblWoodstoves	WoodstoveWoodMass	954.80	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	8.5369	53.0437	89.1158	0.1599	18.2360	2.7555	20.9915	9.9757	2.5350	12.5107	0.0000	14,451.28 63	14,451.28 63	1.2343	0.0000	14,477.20 69
2018	356.7853	47.3548	83.1301	0.1597	8.2778	1.8483	10.1261	2.2299	1.7306	3.9605	0.0000	14,098.98 70	14,098.98 70	0.9620	0.0000	14,119.18 79
Total	365.3222	100.3985	172.2459	0.3196	26.5138	4.6038	31.1176	12.2056	4.2656	16.4713	0.0000	28,550.27 33	28,550.27 33	2.1963	0.0000	28,596.39 48

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	5.7610	28.8669	88.3977	0.1599	8.2996	0.4208	8.6989	4.5138	0.3903	4.5784	0.0000	14,451.28 63	14,451.28 63	1.2343	0.0000	14,477.20 69
2018	356.5164	26.3228	83.0084	0.1597	8.2778	0.3947	8.6724	2.2299	0.3665	2.5964	0.0000	14,098.98 70	14,098.98 70	0.9620	0.0000	14,119.18 79
Total	362.2774	55.1898	171.4061	0.3196	16.5773	0.8154	17.3714	6.7437	0.7567	7.1748	0.0000	28,550.27 33	28,550.27 33	2.1963	0.0000	28,596.39 48

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.83	45.03	0.49	0.00	37.48	82.29	44.18	44.75	82.26	56.44	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	40.3293	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016	0.0000	33.2790	33.2790	0.0329	0.0000	33.9688
Energy	0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360
Mobile	18.7000	31.6079	178.8610	0.5261	39.5348	0.6280	40.1627	10.5406	0.5798	11.1204		38,190.1237	38,190.1237	1.2071		38,215.4726
Total	59.3387	34.6034	199.4236	0.5439	39.5348	0.9433	40.4781	10.5406	0.8952	11.4358	0.0000	41,598.9954	41,598.9954	1.3046	0.0619	41,645.5774

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	40.3293	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016	0.0000	33.2790	33.2790	0.0329	0.0000	33.9688
Energy	0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360
Mobile	18.7000	31.6079	178.8610	0.5261	39.5348	0.6280	40.1627	10.5406	0.5798	11.1204		38,190.1237	38,190.1237	1.2071		38,215.4726
Total	59.3387	34.6034	199.4236	0.5439	39.5348	0.9433	40.4781	10.5406	0.8952	11.4358	0.0000	41,598.9954	41,598.9954	1.3046	0.0619	41,645.5774

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/10/2017	5	10	
3	Grading	Grading	2/11/2017	3/10/2017	5	20	
4	Building Construction	Building Construction	3/11/2017	1/26/2018	5	230	
5	Paving	Paving	1/27/2018	2/23/2018	5	20	
6	Architectural Coating	Architectural Coating	2/24/2018	5/4/2018	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 445,500; Residential Outdoor: 148,500; Non-Residential Indoor: 2,115,000; Non-Residential Outdoor: 705,000
(Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	698.00	255.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	140.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.4739	2.0535	23.8257	0.0399		0.0632	0.0632		0.0632	0.0632	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211
Total	0.4739	2.0535	23.8257	0.0399		0.0632	0.0632		0.0632	0.0632	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000				0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265			4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265			4,028.8432

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769
Total	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003		151.3769

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.4757	2.0615	21.2415	0.0391		0.0634	0.0634		0.0634	0.0634	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	0.4757	2.0615	21.2415	0.0391	8.1298	0.0634	8.1933	4.4688	0.0634	4.5322	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003			151.3769
Total	0.0644	0.0921	0.8418	1.8700e-003	0.1698	1.2500e-003	0.1710	0.0450	1.1500e-003	0.0462		151.2136	151.2136	7.7700e-003			151.3769

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000				0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757		3,043.6667	3,043.6667	0.9326			3,063.2507
Total	3.4555	35.9825	25.3812	0.0297	6.5523	2.0388	8.5912	3.3675	1.8757	5.2432		3,043.6667	3,043.6667	0.9326			3,063.2507

3.4 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000	
Off-Road	0.3625	1.5709	19.6566	0.0297		0.0483	0.0483		0.0483	0.0483	0.0000	3,043.6667	3,043.6667	0.9326			3,063.2507
Total	0.3625	1.5709	19.6566	0.0297	2.9486	0.0483	2.9969	1.5154	0.0483	1.5637	0.0000	3,043.6667	3,043.6667	0.9326			3,063.2507

3.4 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474
Total	0.0537	0.0767	0.7015	1.5600e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		126.0114	126.0114	6.4800e-003			126.1474

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.9364	23.0671	38.3436	0.0604	1.6958	0.3317	2.0275	0.4843	0.3050	0.7892		5,947.7523	5,947.7523	0.0470			5,948.7401
Worker	2.4982	3.5710	32.6431	0.0727	6.5824	0.0485	6.6309	1.7458	0.0447	1.7905		5,863.7288	5,863.7288	0.3014			5,870.0580
Total	5.4346	26.6380	70.9867	0.1331	8.2782	0.3802	8.6583	2.2301	0.3497	2.5797		11,811.4810	11,811.4810	0.3484			11,818.7980

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490
Total	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.9364	23.0671	38.3436	0.0604	1.6958	0.3317	2.0275	0.4843	0.3050	0.7892		5,947.7523	5,947.7523	0.0470			5,948.7401
Worker	2.4982	3.5710	32.6431	0.0727	6.5824	0.0485	6.6309	1.7458	0.0447	1.7905		5,863.7288	5,863.7288	0.3014			5,870.0580
Total	5.4346	26.6380	70.9867	0.1331	8.2782	0.3802	8.6583	2.2301	0.3497	2.5797		11,811.4810	11,811.4810	0.3484			11,818.7980

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.6385	20.8782	36.4134	0.0603	1.6954	0.3071	2.0025	0.4841	0.2824	0.7665		5,843.733 2	5,843.733 2	0.0462			5,844.704 1
Worker	2.2392	3.2157	29.1840	0.0727	6.5824	0.0470	6.6293	1.7458	0.0434	1.7892		5,645.314 8	5,645.314 8	0.2770			5,651.132 1
Total	4.8777	24.0939	65.5974	0.1329	8.2778	0.3540	8.6318	2.2299	0.3258	2.5558		11,489.04 80	11,489.04 80	0.3233			11,495.83 62

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,609.938 9	2,609.938 9	0.6387			2,623.351 7
Total	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,609.938 9	2,609.938 9	0.6387			2,623.351 7

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	2.6385	20.8782	36.4134	0.0603	1.6954	0.3071	2.0025	0.4841	0.2824	0.7665		5,843.733 2	5,843.733 2	0.0462			5,844.704 1
Worker	2.2392	3.2157	29.1840	0.0727	6.5824	0.0470	6.6293	1.7458	0.0434	1.7892		5,645.314 8	5,645.314 8	0.2770			5,651.132 1
Total	4.8777	24.0939	65.5974	0.1329	8.2778	0.3540	8.6318	2.2299	0.3258	2.5558		11,489.04 80	11,489.04 80	0.3233			11,495.83 62

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.269 5	2,245.269 5	0.6990			2,259.948 1
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.269 5	2,245.269 5	0.6990			2,259.948 1

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0481	0.0691	0.6272	1.5600e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		121.3177	121.3177	5.9500e-003			121.4427
Total	0.0481	0.0691	0.6272	1.5600e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		121.3177	121.3177	5.9500e-003			121.4427

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2745	1.1895	16.9276	0.0223		0.0366	0.0366		0.0366	0.0366	0.0000	2,245.2695	2,245.2695	0.6990			2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.2745	1.1895	16.9276	0.0223		0.0366	0.0366		0.0366	0.0366	0.0000	2,245.2695	2,245.2695	0.6990			2,259.9481

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0481	0.0691	0.6272	1.5600e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		121.3177	121.3177	5.9500e-003		121.4427
Total	0.0481	0.0691	0.6272	1.5600e-003	0.1415	1.0100e-003	0.1425	0.0375	9.3000e-004	0.0385		121.3177	121.3177	5.9500e-003		121.4427

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	356.0375					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	356.3362	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.4491	0.6450	5.8535	0.0146	1.3202	9.4200e-003	1.3297	0.3502	8.7100e-003	0.3589		1,132.2981	1,132.2981	0.0556			1,133.4649
Total	0.4491	0.6450	5.8535	0.0146	1.3202	9.4200e-003	1.3297	0.3502	8.7100e-003	0.3589		1,132.2981	1,132.2981	0.0556			1,133.4649

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	356.0375					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4485	281.4485	0.0267			282.0102
Total	356.0672	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4485	281.4485	0.0267			282.0102

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.4491	0.6450	5.8535	0.0146	1.3202	9.4200e-003	1.3297	0.3502	8.7100e-003	0.3589		1,132.2981	1,132.2981	0.0556			1,133.4649
Total	0.4491	0.6450	5.8535	0.0146	1.3202	9.4200e-003	1.3297	0.3502	8.7100e-003	0.3589		1,132.2981	1,132.2981	0.0556			1,133.4649

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	18.7000	31.6079	178.8610	0.5261	39.5348	0.6280	40.1627	10.5406	0.5798	11.1204		38,190.1237	38,190.1237	1.2071			38,215.4726
Unmitigated	18.7000	31.6079	178.8610	0.5261	39.5348	0.6280	40.1627	10.5406	0.5798	11.1204		38,190.1237	38,190.1237	1.2071			38,215.4726

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,449.80	1,575.20	1335.40	3,239,992	3,239,992
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	5,505.00	1,185.00	490.00	9,968,683	9,968,683
Strip Mall	1,329.60	1,261.20	612.90	1,874,902	1,874,902
Total	8,284.40	4,021.40	2,438.30	15,083,578	15,083,578

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

5.0.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360
NaturalGas Unmitigated	0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	4898.84	0.0528	0.4515	0.1921	2.8800e-003		0.0365	0.0365		0.0365	0.0365		576.3341	576.3341	0.0111	0.0106	579.8415
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	23589	0.2544	2.3127	1.9426	0.0139		0.1758	0.1758		0.1758	0.1758		2,775.1813	2,775.1813	0.0532	0.0509	2,792.0706
Strip Mall	204.658	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003		24.0774	24.0774	4.6000e-004	4.4000e-004	24.2239
Total		0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	23.589	0.2544	2.3127	1.9426	0.0139		0.1758	0.1758		0.1758	0.1758		2,775.1813	2,775.1813	0.0532	0.0509	2,792.0706
Strip Mall	0.204658	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003		24.0774	24.0774	4.6000e-004	4.4000e-004	24.2239
Apartments Mid Rise	4.89884	0.0528	0.4515	0.1921	2.8800e-003		0.0365	0.0365		0.0365	0.0365		576.3341	576.3341	0.0111	0.0106	579.8415
Total		0.3094	2.7842	2.1516	0.0169		0.2138	0.2138		0.2138	0.2138		3,375.5927	3,375.5927	0.0647	0.0619	3,396.1360

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	40.3293	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016	0.0000	33.2790	33.2790	0.0329	0.0000	33.9688
Unmitigated	40.3293	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016	0.0000	33.2790	33.2790	0.0329	0.0000	33.9688

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.8772					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	34.8820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.5700	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016		33.2790	33.2790	0.0329		33.9688
Total	40.3293	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016	0.0000	33.2790	33.2790	0.0329	0.0000	33.9688

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.8772					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	34.8820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.5700	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016		33.2790	33.2790	0.0329		33.9688
Total	40.3293	0.2114	18.4111	9.8000e-004		0.1016	0.1016		0.1016	0.1016	0.0000	33.2790	33.2790	0.0329	0.0000	33.9688

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley - Stockton Avenue Ventilation Structure Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	15.00	1000sqft	0.34	15,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves -

Construction Off-road Equipment Mitigation - Tier III

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.1621	0.8039	0.5213	7.4000e-004	4.9400e-003	0.0546	0.0595	1.5000e-003	0.0504	0.0519	0.0000	68.5431	68.5431	0.0185	0.0000	68.9312
Total	0.1621	0.8039	0.5213	7.4000e-004	4.9400e-003	0.0546	0.0595	1.5000e-003	0.0504	0.0519	0.0000	68.5431	68.5431	0.0185	0.0000	68.9312

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.0889	0.0472	0.4890	7.4000e-004	4.3800e-003	1.2600e-003	5.6400e-003	1.2600e-003	1.2500e-003	2.5000e-003	0.0000	68.5431	68.5431	0.0185	0.0000	68.9311
Total	0.0889	0.0472	0.4890	7.4000e-004	4.3800e-003	1.2600e-003	5.6400e-003	1.2600e-003	1.2500e-003	2.5000e-003	0.0000	68.5431	68.5431	0.0185	0.0000	68.9311

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	45.16	94.13	6.20	0.00	11.34	97.69	90.52	16.00	97.52	95.18	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0664	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.8000e-004
Energy	2.0000e-004	1.8300e-003	1.5400e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	53.0045	53.0045	2.3400e-003	5.1000e-004	53.2130
Mobile	0.2120	0.3047	1.7416	4.9200e-003	0.3480	6.0300e-003	0.3541	0.0931	5.5700e-003	0.0986	0.0000	324.0517	324.0517	0.0105	0.0000	324.2710
Waste						0.0000	0.0000		0.0000	0.0000	3.1971	0.0000	3.1971	0.1889	0.0000	7.1649
Water						0.0000	0.0000		0.0000	0.0000	0.3525	2.4424	2.7949	0.0363	8.8000e-004	3.8296
Total	0.2786	0.3066	1.7432	4.9300e-003	0.3480	6.1700e-003	0.3542	0.0931	5.7100e-003	0.0988	3.5496	379.4988	383.0484	0.2381	1.3900e-003	388.4788

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0664	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.8000e-004
Energy	2.0000e-004	1.8300e-003	1.5400e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	53.0045	53.0045	2.3400e-003	5.1000e-004	53.2130
Mobile	0.2120	0.3047	1.7416	4.9200e-003	0.3480	6.0300e-003	0.3541	0.0931	5.5700e-003	0.0986	0.0000	324.0517	324.0517	0.0105	0.0000	324.2710
Waste						0.0000	0.0000		0.0000	0.0000	3.1971	0.0000	3.1971	0.1889	0.0000	7.1649
Water						0.0000	0.0000		0.0000	0.0000	0.3525	2.4424	2.7949	0.0363	8.8000e-004	3.8290
Total	0.2786	0.3066	1.7432	4.9300e-003	0.3480	6.1700e-003	0.3542	0.0931	5.7100e-003	0.0988	3.5496	379.4988	383.0484	0.2380	1.3900e-003	388.4782

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	6/21/2016	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	5.00	2.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.5600e-003	0.0562	0.0435	6.0000e-005		4.0200e-003	4.0200e-003		3.8400e-003	3.8400e-003	0.0000	5.4141	5.4141	1.0800e-003	0.0000	5.4369
Total	6.5600e-003	0.0562	0.0435	6.0000e-005		4.0200e-003	4.0200e-003		3.8400e-003	3.8400e-003	0.0000	5.4141	5.4141	1.0800e-003	0.0000	5.4369

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	2.6000e-004	2.5400e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4011	0.4011	2.0000e-005	0.0000	0.4016
Total	1.9000e-004	2.6000e-004	2.5400e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4011	0.4011	2.0000e-005	0.0000	0.4016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7000e-004	2.8800e-003	0.0393	6.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	5.4141	5.4141	1.0800e-003	0.0000	5.4369
Total	6.7000e-004	2.8800e-003	0.0393	6.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	5.4141	5.4141	1.0800e-003	0.0000	5.4369

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	2.6000e-004	2.5400e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4011	0.4011	2.0000e-005	0.0000	0.4016
Total	1.9000e-004	2.6000e-004	2.5400e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4011	0.4011	2.0000e-005	0.0000	0.4016

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	6.8200e-003	3.6700e-003	0.0000		4.2000e-004	4.2000e-004		3.8000e-004	3.8000e-004	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442
Total	6.8000e-004	6.8200e-003	3.6700e-003	0.0000	2.7000e-004	4.2000e-004	6.9000e-004	3.0000e-005	3.8000e-004	4.1000e-004	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442

3.3 Site Preparation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201
Total	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2000e-004	0.0000	1.2000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	2.5000e-004	3.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442
Total	6.0000e-005	2.5000e-004	3.5000e-003	0.0000	1.2000e-004	1.0000e-005	1.3000e-004	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442

3.3 Site Preparation - 2016**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201
Total	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201

3.4 Grading - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	0.0112	8.7000e-003	1.0000e-005		8.0000e-004	8.0000e-004		7.7000e-004	7.7000e-004	0.0000	1.0828	1.0828	2.2000e-004	0.0000	1.0874
Total	1.3100e-003	0.0112	8.7000e-003	1.0000e-005	7.5000e-004	8.0000e-004	1.5500e-003	4.1000e-004	7.7000e-004	1.1800e-003	0.0000	1.0828	1.0828	2.2000e-004	0.0000	1.0874

3.4 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	5.0000e-005	5.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0802	0.0802	0.0000	0.0000	0.0803	
Total	4.0000e-005	5.0000e-005	5.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0802	0.0802	0.0000	0.0000	0.0803	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Fugitive Dust					3.4000e-004	0.0000	3.4000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3000e-004	5.8000e-004	7.8700e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.0828	1.0828	2.2000e-004	0.0000	1.0874	
Total	1.3000e-004	5.8000e-004	7.8700e-003	1.0000e-005	3.4000e-004	2.0000e-005	3.6000e-004	1.9000e-004	2.0000e-005	2.1000e-004	0.0000	1.0828	1.0828	2.2000e-004	0.0000	1.0874	

3.4 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	5.0000e-005	5.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0802	0.0802	0.0000	0.0000	0.0803
Total	4.0000e-005	5.0000e-005	5.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0802	0.0802	0.0000	0.0000	0.0803

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0691	0.6853	0.4106	5.7000e-004		0.0470	0.0470		0.0432	0.0432	0.0000	53.4584	53.4584	0.0161	0.0000	53.7970
Total	0.0691	0.6853	0.4106	5.7000e-004		0.0470	0.0470		0.0432	0.0432	0.0000	53.4584	53.4584	0.0161	0.0000	53.7970

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1900e-003	9.9900e-003	0.0135	2.0000e-005	6.5000e-004	1.5000e-004	8.0000e-004	1.9000e-004	1.4000e-004	3.2000e-004	0.0000	2.1626	2.1626	2.0000e-005	0.0000	2.1629
Worker	9.3000e-004	1.3100e-003	0.0127	3.0000e-005	2.2800e-003	2.0000e-005	2.2900e-003	6.1000e-004	2.0000e-005	6.2000e-004	0.0000	2.0056	2.0056	1.1000e-004	0.0000	2.0078
Total	2.1200e-003	0.0113	0.0262	5.0000e-005	2.9300e-003	1.7000e-004	3.0900e-003	8.0000e-004	1.6000e-004	9.4000e-004	0.0000	4.1682	4.1682	1.3000e-004	0.0000	4.1708

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9400e-003	0.0301	0.3849	5.7000e-004		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	53.4583	53.4583	0.0161	0.0000	53.7969
Total	6.9400e-003	0.0301	0.3849	5.7000e-004		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	53.4583	53.4583	0.0161	0.0000	53.7969

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1900e-003	9.9900e-003	0.0135	2.0000e-005	6.5000e-004	1.5000e-004	8.0000e-004	1.9000e-004	1.4000e-004	3.2000e-004	0.0000	2.1626	2.1626	2.0000e-005	0.0000	2.1629
Worker	9.3000e-004	1.3100e-003	0.0127	3.0000e-005	2.2800e-003	2.0000e-005	2.2900e-003	6.1000e-004	2.0000e-005	6.2000e-004	0.0000	2.0056	2.0056	1.1000e-004	0.0000	2.0078
Total	2.1200e-003	0.0113	0.0262	5.0000e-005	2.9300e-003	1.7000e-004	3.0900e-003	8.0000e-004	1.6000e-004	9.4000e-004	0.0000	4.1682	4.1682	1.3000e-004	0.0000	4.1708

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8000e-003	0.0266	0.0182	3.0000e-005		1.6500e-003	1.6500e-003		1.5300e-003	1.5300e-003	0.0000	2.4575	2.4575	6.7000e-004	0.0000	2.4717
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.8000e-003	0.0266	0.0182	3.0000e-005		1.6500e-003	1.6500e-003		1.5300e-003	1.5300e-003	0.0000	2.4575	2.4575	6.7000e-004	0.0000	2.4717

3.6 Paving - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614
Total	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7000e-004	1.1900e-003	0.0170	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.4575	2.4575	6.7000e-004	0.0000	2.4717
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.7000e-004	1.1900e-003	0.0170	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.4575	2.4575	6.7000e-004	0.0000	2.4717

3.6 Paving - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614
Total	1.7000e-004	2.4000e-004	2.2900e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3614

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0782					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2000e-004	5.9300e-003	4.7100e-003	1.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	0.6383	0.6383	8.0000e-005	0.0000	0.6399
Total	0.0791	5.9300e-003	4.7100e-003	1.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	0.6383	0.6383	8.0000e-005	0.0000	0.6399

3.7 Architectural Coating - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201	0.0000
Total	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0782					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0000e-005	3.2000e-004	4.5800e-003	1.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.6383	0.6383	8.0000e-005	0.0000	0.6399
Total	0.0783	3.2000e-004	4.5800e-003	1.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.6383	0.6383	8.0000e-005	0.0000	0.6399

3.7 Architectural Coating - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201
Total	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0201	0.0201	0.0000	0.0000	0.0201

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2120	0.3047	1.7416	4.9200e-003	0.3480	6.0300e-003	0.3541	0.0931	5.5700e-003	0.0986	0.0000	324.0517	324.0517	0.0105	0.0000	324.2710
Unmitigated	0.2120	0.3047	1.7416	4.9200e-003	0.3480	6.0300e-003	0.3541	0.0931	5.5700e-003	0.0986	0.0000	324.0517	324.0517	0.0105	0.0000	324.2710

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	664.80	630.60	306.45	937,451	937,451
Total	664.80	630.60	306.45	937,451	937,451

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

~~4.4 Fleet Mix~~

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	51.0113	51.0113	2.3100e-003	4.8000e-004	51.2077
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	51.0113	51.0113	2.3100e-003	4.8000e-004	51.2077
NaturalGas Mitigated	2.0000e-004	1.8300e-003	1.5400e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9931	1.9931	4.0000e-005	4.0000e-005	2.0053
NaturalGas Unmitigated	2.0000e-004	1.8300e-003	1.5400e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9931	1.9931	4.0000e-005	4.0000e-005	2.0053

5.2 Energy by Land Use - NaturalGas
Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Strip Mall	37350	2.0000e-004	1.8300e-003	1.5400e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9931	1.9931	4.0000e-005	4.0000e-005	2.0053
Total		2.0000e-004	1.8300e-003	1.5400e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9931	1.9931	4.0000e-005	4.0000e-005	2.0053

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Strip Mall	37350	2.0000e-004	1.8300e-003	1.5400e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9931	1.9931	4.0000e-005	4.0000e-005	2.0053
Total		2.0000e-004	1.8300e-003	1.5400e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9931	1.9931	4.0000e-005	4.0000e-005	2.0053

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Strip Mall	175350	51.0113	2.3100e-003	4.8000e-004	51.2077
Total		51.0113	2.3100e-003	4.8000e-004	51.2077

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Strip Mall	175350	51.0113	2.3100e-003	4.8000e-004	51.2077
Total		51.0113	2.3100e-003	4.8000e-004	51.2077

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0664	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.8000e-004
Unmitigated	0.0664	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.8000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	7.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0586					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.8000e-004
Total	0.0664	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.8000e-004

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	7.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0586					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.8000e-004
Total	0.0664	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.8000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.7949	0.0363	8.8000e-004	3.8290
Unmitigated	2.7949	0.0363	8.8000e-004	3.8296

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Strip Mall	1.11109 / 0.680989	2.7949	0.0363	8.8000e-004	3.8296
Total		2.7949	0.0363	8.8000e-004	3.8296

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Strip Mall	1.11109 / 0.680989	2.7949	0.0363	8.8000e-004	3.8290
Total		2.7949	0.0363	8.8000e-004	3.8290

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.1971	0.1889	0.0000	7.1649
Unmitigated	3.1971	0.1889	0.0000	7.1649

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Strip Mall	15.75	3.1971	0.1889	0.0000	7.1649
Total		3.1971	0.1889	0.0000	7.1649

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Strip Mall	15.75	3.1971	0.1889	0.0000	7.1649
Total		3.1971	0.1889	0.0000	7.1649

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley - Stockton Avenue Ventilation Structure Santa Clara County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	15.00	1000sqft	0.34	15,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves -

Construction Off-road Equipment Mitigation - Tier III

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	31.6587	13.9225	9.2516	0.0132	0.8471	0.9431	1.6517	0.4388	0.8677	1.2068	0.0000	1,288.615 1	1,288.615 1	0.3582	0.0000	1,296.138 0
Total	31.6587	13.9225	9.2516	0.0132	0.8471	0.9431	1.6517	0.4388	0.8677	1.2068	0.0000	1,288.615 1	1,288.615 1	0.3582	0.0000	1,296.138 0

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	31.3200	0.8185	8.4133	0.0132	0.4331	0.0219	0.4515	0.2112	0.0216	0.2296	0.0000	1,288.615 1	1,288.615 1	0.3582	0.0000	1,296.138 0
Total	31.3200	0.8185	8.4133	0.0132	0.4331	0.0219	0.4515	0.2112	0.0216	0.2296	0.0000	1,288.615 1	1,288.615 1	0.3582	0.0000	1,296.138 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.07	94.12	9.06	0.00	48.88	97.68	72.66	51.87	97.51	80.97	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Energy	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Mobile	1.3279	1.7215	9.7331	0.0313	2.1622	0.0362	2.1984	0.5765	0.0334	0.6099		2,263.531 1	2,263.531 1	0.0691		2,264.982 4
Total	1.6930	1.7316	9.7430	0.0314	2.1622	0.0369	2.1992	0.5765	0.0342	0.6107		2,275.573 1	2,275.573 1	0.0694	2.2000e-004	2,277.097 8

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Energy	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Mobile	1.3279	1.7215	9.7331	0.0313	2.1622	0.0362	2.1984	0.5765	0.0334	0.6099		2,263.531 1	2,263.531 1	0.0691		2,264.982 4
Total	1.6930	1.7316	9.7430	0.0314	2.1622	0.0369	2.1992	0.5765	0.0342	0.6107		2,275.573 1	2,275.573 1	0.0694	2.2000e-004	2,277.097 8

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	6/21/2016	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	5.00	2.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003			95.1037
Total	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003			95.1037

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.1330	0.5765	7.8665	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,193.6106	1,193.6106	0.2386			1,198.6217
Total	0.1330	0.5765	7.8665	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,193.6106	1,193.6106	0.2386			1,198.6217

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003			95.1037
Total	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003			95.1037

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000	
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671		973.0842	973.0842	0.2935			979.2481
Total	1.3593	13.6350	7.3401	9.3500e-003	0.5303	0.8338	1.3640	0.0573	0.7671	0.8243		973.0842	973.0842	0.2935			979.2481

3.3 Site Preparation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003			47.5519
Total	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003			47.5519

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000	
Off-Road	0.1135	0.4917	6.9975	9.3500e-003		0.0151	0.0151		0.0151	0.0151	0.0000	973.0842	973.0842	0.2935			979.2481
Total	0.1135	0.4917	6.9975	9.3500e-003	0.2386	0.0151	0.2537	0.0258	0.0151	0.0409	0.0000	973.0842	973.0842	0.2935			979.2481

3.3 Site Preparation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003		47.5519
Total	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003		47.5519

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120	0.7528	0.8039	1.5566	0.4138	0.7674	1.1811		1,193.6106	1,193.6106	0.2386		1,198.6217

3.4 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037
Total	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003		95.1037

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3387	0.0000	0.3387	0.1862	0.0000	0.1862			0.0000			0.0000
Off-Road	0.1330	0.5765	7.8665	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
Total	0.1330	0.5765	7.8665	0.0120	0.3387	0.0177	0.3565	0.1862	0.0177	0.2039	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217

3.4 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003			95.1037
Total	0.0401	0.0467	0.5469	1.1300e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		95.0045	95.0045	4.7300e-003			95.1037

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555			1,186.0202
Total	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555			1,186.0202

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0215	0.1933	0.2194	4.8000e-004	0.0133	2.9800e-003	0.0163	3.8000e-003	2.7400e-003	6.5400e-003		47.8298	47.8298	3.8000e-004			47.8378
Worker	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003			47.5519
Total	0.0416	0.2167	0.4928	1.0500e-003	0.0605	3.3400e-003	0.0638	0.0163	3.0700e-003	0.0194		95.3321	95.3321	2.7400e-003			95.3896

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.1389	0.6019	7.6980	0.0113		0.0185	0.0185		0.0185	0.0185	0.0000	1,178.5549	1,178.5549	0.3555			1,186.0202
Total	0.1389	0.6019	7.6980	0.0113		0.0185	0.0185		0.0185	0.0185	0.0000	1,178.5549	1,178.5549	0.3555			1,186.0202

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0215	0.1933	0.2194	4.8000e-004	0.0133	2.9800e-003	0.0163	3.8000e-003	2.7400e-003	6.5400e-003		47.8298	47.8298	3.8000e-004			47.8378
Worker	0.0201	0.0233	0.2734	5.7000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		47.5022	47.5022	2.3600e-003			47.5519
Total	0.0416	0.2167	0.4928	1.0500e-003	0.0605	3.3400e-003	0.0638	0.0163	3.0700e-003	0.0194		95.3321	95.3321	2.7400e-003			95.3896

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.5832	1,083.5832	0.2969			1,089.8175
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.5832	1,083.5832	0.2969			1,089.8175

3.6 Paving - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003			171.1867
Total	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003			171.1867

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.1100	0.4766	6.7829	0.0111		0.0147	0.0147		0.0147	0.0147	0.0000	1,083.5832	1,083.5832	0.2969			1,089.8175
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.1100	0.4766	6.7829	0.0111		0.0147	0.0147		0.0147	0.0147	0.0000	1,083.5832	1,083.5832	0.2969			1,089.8175

3.6 Paving - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003		171.1867
Total	0.0722	0.0840	0.9843	2.0400e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.0080	171.0080	8.5100e-003		171.1867

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.2863					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	31.6547	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449

3.7 Architectural Coating - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.0100e-003	4.6700e-003	0.0547	1.1000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	7.0000e-005	2.5700e-003		9.5005	9.5005	4.7000e-004		9.5104
Total	4.0100e-003	4.6700e-003	0.0547	1.1000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	7.0000e-005	2.5700e-003		9.5005	9.5005	4.7000e-004		9.5104

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.2863					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0332		282.1449
Total	31.3160	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0332		282.1449

3.7 Architectural Coating - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	4.0100e-003	4.6700e-003	0.0547	1.1000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	7.0000e-005	2.5700e-003		9.5005	9.5005	4.7000e-004			9.5104
Total	4.0100e-003	4.6700e-003	0.0547	1.1000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	7.0000e-005	2.5700e-003		9.5005	9.5005	4.7000e-004			9.5104

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3279	1.7215	9.7331	0.0313	2.1622	0.0362	2.1984	0.5765	0.0334	0.6099		2,263.5311	2,263.5311	0.0691		2,264.9824
Unmitigated	1.3279	1.7215	9.7331	0.0313	2.1622	0.0362	2.1984	0.5765	0.0334	0.6099		2,263.5311	2,263.5311	0.0691		2,264.9824

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	664.80	630.60	306.45	937,451	937,451
Total	664.80	630.60	306.45	937,451	937,451

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day											lb/day					
NaturalGas Mitigated	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
NaturalGas Unmitigated	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Strip Mall	102.329	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Total		1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Strip Mall	0.102329	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Total		1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Unmitigated	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Total	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Total	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BART Silicon Valley - Stockton Avenue Ventilation Structure
Santa Clara County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	15.00	1000sqft	0.34	15,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project specific

Construction Phase - project specific

Off-road Equipment -

Woodstoves -

Construction Off-road Equipment Mitigation - Tier III

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblProjectCharacteristics	OperationalYear	2014	2025

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	31.6587	13.9365	9.2297	0.0131	0.8471	0.9432	1.6517	0.4388	0.8677	1.2068	0.0000	1,280.9589	1,280.9589	0.3583	0.0000	1,288.4821
Total	31.6587	13.9365	9.2297	0.0131	0.8471	0.9432	1.6517	0.4388	0.8677	1.2068	0.0000	1,280.9589	1,280.9589	0.3583	0.0000	1,288.4821

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	31.3200	0.8325	8.3914	0.0131	0.4331	0.0219	0.4515	0.2112	0.0216	0.2296	0.0000	1,280.9589	1,280.9589	0.3583	0.0000	1,288.4821
Total	31.3200	0.8325	8.3914	0.0131	0.4331	0.0219	0.4515	0.2112	0.0216	0.2296	0.0000	1,280.9589	1,280.9589	0.3583	0.0000	1,288.4821

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.07	94.03	9.08	0.00	48.88	97.68	72.66	51.87	97.51	80.97	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Energy	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Mobile	1.3700	1.9061	11.6796	0.0293	2.1622	0.0364	2.1986	0.5765	0.0336	0.6101		2,124.3473	2,124.3473	0.0693		2,125.8023
Total	1.7351	1.9162	11.6896	0.0293	2.1622	0.0371	2.1994	0.5765	0.0344	0.6108		2,136.3892	2,136.3892	0.0695	2.2000e-004	2,137.9177

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Energy	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Mobile	1.3700	1.9061	11.6796	0.0293	2.1622	0.0364	2.1986	0.5765	0.0336	0.6101		2,124.3473	2,124.3473	0.0693		2,125.8023
Total	1.7351	1.9162	11.6896	0.0293	2.1622	0.0371	2.1994	0.5765	0.0344	0.6108		2,136.3892	2,136.3892	0.0695	2.2000e-004	2,137.9177

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	6/21/2016	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	5.00	2.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
Total	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003			87.4476
Total	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003			87.4476

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.1330	0.5765	7.8665	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,193.6106	1,193.6106	0.2386			1,198.6217
Total	0.1330	0.5765	7.8665	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,193.6106	1,193.6106	0.2386			1,198.6217

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003			87.4476
Total	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003			87.4476

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000	
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671		973.0842	973.0842	0.2935			979.2481
Total	1.3593	13.6350	7.3401	9.3500e-003	0.5303	0.8338	1.3640	0.0573	0.7671	0.8243		973.0842	973.0842	0.2935			979.2481

3.3 Site Preparation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003			43.7238
Total	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003			43.7238

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000	
Off-Road	0.1135	0.4917	6.9975	9.3500e-003		0.0151	0.0151		0.0151	0.0151	0.0000	973.0842	973.0842	0.2935			979.2481
Total	0.1135	0.4917	6.9975	9.3500e-003	0.2386	0.0151	0.2537	0.0258	0.0151	0.0409	0.0000	973.0842	973.0842	0.2935			979.2481

3.3 Site Preparation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003			43.7238
Total	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003			43.7238

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000	
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386			1,198.6217
Total	1.3122	11.2385	8.7048	0.0120	0.7528	0.8039	1.5566	0.4138	0.7674	1.1811		1,193.6106	1,193.6106	0.2386			1,198.6217

3.4 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003			87.4476
Total	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003			87.4476

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.3387	0.0000	0.3387	0.1862	0.0000	0.1862			0.0000			0.0000	
Off-Road	0.1330	0.5765	7.8665	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,193.6106	1,193.6106	0.2386			1,198.6217
Total	0.1330	0.5765	7.8665	0.0120	0.3387	0.0177	0.3565	0.1862	0.0177	0.2039	0.0000	1,193.6106	1,193.6106	0.2386			1,198.6217

3.4 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003			87.4476
Total	0.0401	0.0571	0.5250	1.0400e-003	0.0943	7.3000e-004	0.0950	0.0250	6.7000e-004	0.0257		87.3483	87.3483	4.7300e-003			87.4476

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555			1,186.0202
Total	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555			1,186.0202

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0265	0.2021	0.3226	4.7000e-004	0.0133	3.0100e-003	0.0163	3.8000e-003	2.7700e-003	6.5700e-003		47.4641	47.4641	3.9000e-004			47.4722
Worker	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003			43.7238
Total	0.0465	0.2307	0.5851	9.9000e-004	0.0605	3.3700e-003	0.0638	0.0163	3.1000e-003	0.0194		91.1382	91.1382	2.7500e-003			91.1960

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.1389	0.6019	7.6980	0.0113		0.0185	0.0185		0.0185	0.0185	0.0000	1,178.5549	1,178.5549	0.3555			1,186.0202
Total	0.1389	0.6019	7.6980	0.0113		0.0185	0.0185		0.0185	0.0185	0.0000	1,178.5549	1,178.5549	0.3555			1,186.0202

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0265	0.2021	0.3226	4.7000e-004	0.0133	3.0100e-003	0.0163	3.8000e-003	2.7700e-003	6.5700e-003		47.4641	47.4641	3.9000e-004			47.4722
Worker	0.0200	0.0285	0.2625	5.2000e-004	0.0472	3.6000e-004	0.0475	0.0125	3.3000e-004	0.0128		43.6742	43.6742	2.3600e-003			43.7238
Total	0.0465	0.2307	0.5851	9.9000e-004	0.0605	3.3700e-003	0.0638	0.0163	3.1000e-003	0.0194		91.1382	91.1382	2.7500e-003			91.1960

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.5832	1,083.5832	0.2969			1,089.8175
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.5832	1,083.5832	0.2969			1,089.8175

3.6 Paving - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003			157.4056
Total	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003			157.4056

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.1100	0.4766	6.7829	0.0111		0.0147	0.0147		0.0147	0.0147	0.0000	1,083.5832	1,083.5832	0.2969			1,089.8175
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.1100	0.4766	6.7829	0.0111		0.0147	0.0147		0.0147	0.0147	0.0000	1,083.5832	1,083.5832	0.2969			1,089.8175

3.6 Paving - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003		157.4056
Total	0.0721	0.1027	0.9450	1.8800e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		157.2270	157.2270	8.5100e-003		157.4056

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.2863					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	31.6547	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449

3.7 Architectural Coating - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	4.0100e-003	5.7100e-003	0.0525	1.0000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	7.0000e-005	2.5700e-003		8.7348	8.7348	4.7000e-004			8.7448
Total	4.0100e-003	5.7100e-003	0.0525	1.0000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	7.0000e-005	2.5700e-003		8.7348	8.7348	4.7000e-004			8.7448

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	31.2863					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0332			282.1449
Total	31.3160	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0332			282.1449

3.7 Architectural Coating - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.0100e-003	5.7100e-003	0.0525	1.0000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	7.0000e-005	2.5700e-003		8.7348	8.7348	4.7000e-004		8.7448
Total	4.0100e-003	5.7100e-003	0.0525	1.0000e-004	9.4300e-003	7.0000e-005	9.5000e-003	2.5000e-003	7.0000e-005	2.5700e-003		8.7348	8.7348	4.7000e-004		8.7448

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3700	1.9061	11.6796	0.0293	2.1622	0.0364	2.1986	0.5765	0.0336	0.6101		2,124.3473	2,124.3473	0.0693		2,125.8023
Unmitigated	1.3700	1.9061	11.6796	0.0293	2.1622	0.0364	2.1986	0.5765	0.0336	0.6101		2,124.3473	2,124.3473	0.0693		2,125.8023

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	664.80	630.60	306.45	937,451	937,451
Total	664.80	630.60	306.45	937,451	937,451

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.551928	0.058741	0.185020	0.120900	0.029274	0.004403	0.013004	0.025258	0.001789	0.001251	0.006216	0.000467	0.001748

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
NaturalGas Unmitigated	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Strip Mall	102.329	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Total		1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Strip Mall	0.102329	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Total		1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Unmitigated	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Total	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003
Total	0.3640	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.4600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

Calculation of Service Population for Planned Developments

Location	Land Use Type	Rates (# of trips per dwelling unit or k.sq-ft)		Size	# of Daily Trips Before Reductions	# of Daily Trips After Reductions	Ave Trip Lengths	Daily VMT	Population Density (persons per dwelling unit or k.sq-ft)	Service Population (SP)
Alum Rock Station	Office	8.92		500	4,460	4,059	8.03	32,574	4.4	2,222
	Retail	42.7		20	854	512	7.67	3,928	2.5	50
13th Streets Ventilation Structure	Retail	42.7		13	555	333	7.67	2,553	2.5	33
Downtown San Jose Station East Option	Office	8.92		303	2,703	2,460	8.03	19,740	4.4	1,347
	Retail	42.7		160	6,832	4,099	7.67	31,421	2.5	400
Downtown San Jose West Option	Office	8.92		35	312	284	8.03	2,280	4.4	156
	Retail	42.7		10	427	256	7.67	1,964	2.5	25
Diridon Station	Office	8.92		640	5,709	5,195	8.03	41,695	4.4	2,844
	Retail	42.7		72	3,074	1,845	7.67	14,140	2.5	180
Stockton Avenue Ventilation Structure	Retail	42.7		15	641	384	7.67	2,946	2.5	38
Santa Clara Station	Office	8.92		500	4,460	4,059	8.03	32,574	4.4	2,222
	Retail	42.7		30	1,281	769	7.67	5,891	2.5	75

Data from the project team	Service Population
# of added Santa Clara Residents	583
# of added San Jose Residents	880
Total:	1463
Employees	9,591
Total Service Population:	11,054

Construction HRA

BART Facilities

Emission Rates Due to Construction of BART Facilities at Alum Rock Station - Unmitigated

Average emission rates: $PM_{10} = 0.032916 \text{ g/s}$
 $PM_{2.5} = 0.0302837 \text{ g/s}$

Max Conc. due to Unit Emissions at the MEI	$\chi/Q \text{ (ug/m3)/(g/s)}$		$\mu\text{g/m}^3$	
	0 meter height		0 meter height	
	Annual	1-hr	Annual	1-hr
$PM_{10} - \text{DPM } (\mu\text{g/m}^3)$	36.55	946.69	1.20	31.16
$PM_{2.5} (\mu\text{g/m}^3)$	36.55	946.69	1.11	28.67

Health Risk Associated with Construction of BART Facilities at Alum Rock Station - Unmitigated

Duration of Construction : 3.0 years 1095 days 782 workdays

Population	Receptor height(m)	Chemical	Concentration (µg/m ³)	DBR [µ/kg-day]	EF [day/yr]	ED [yr]	ET [hour-24 hour]	FAH Fraction of Time At Home	CF [mg/µg × m ³ /L]	AT [days]	Dose mg/kg-day	ASF Age sensitivity Factor; 10 for child (construction) and 1.7 for lifetime (operation)	CPF Chemical or compound cancer potency factor (mg/kg-day) ⁻¹	Excess Cancer Risk per Million	Chronic HQ
Child Resident	0	DPM	1.203	658.00	261.00	0.96	0.67	0.85	1.00E-06	1095	3.62E-04	1.70	1.10	24.7	0.241
PM _{2.5} Annual Ave.		1.167 µg/m ³		Hazard Index											

Emission Rates Due to Construction of BART Facilities at Alum Rock Station - Mitigated

Average emission rates: PM_{10} = 0.0012342 g/s
 $PM_{2.5}$ = 0.0012342 g/s

Max Conc. due to Unit Emissions at the MEI	χ/Q (ug/m3)/(g/s)		$\mu\text{g}/\text{m}^3$	
	0 meter height		0 meter height	
	Annual	1-hr	Annual	1-hr
PM_{10} - DPM ($\mu\text{g}/\text{m}^3$)	36.55	946.69	0.05	1.17
$PM_{2.5}$ ($\mu\text{g}/\text{m}^3$)	36.55	946.69	0.05	1.17

Health Risk Associated with Construction of BART Facilities at Alum Rock Station - Mitigated

Duration of Construction : 3.0 years 1095 days 782 workdays

Population	Receptor height(m)	Chemical	Concentration ($\mu\text{g}/\text{m}^3$)	DBR [L/kg-day]	EF [day/yr]	ED [yr]	ET [hour-24 hour]	FAH Fraction of Time At Home	CF [$\text{mg}/\mu\text{g} \times \text{m}^3/\text{L}$]	AT [days]	Dose mg/kg-day	ASF Factor; 10 for child (construction) and 1.7 for lifetime30 (operation)	CPF Chemical or compound cancer potency factor ($\text{mg}/\text{kg}\text{-day}$) ⁻¹	Excess Cancer Risk per Million Potential chances per million	Chronic HQ
Child Resident	0	DPM	0.045	658.00	261.00	0.96	0.67	0.85	1.00E-06	1095	1.36E-05	1.70	1.10	0.9	0.009
													Hazard Index	0.009	
PM _{2.5} Annual Ave.			0.044 $\mu\text{g}/\text{m}^3$												

Construction HRA

Planned Development

Emission Rates Due to Construction of Planned Developments at Alum Rock Station - Unmitigated

Average emission rates: PM₁₀= 0.0320724 g/s
 PM_{2.5}= 0.0299242 g/s

Max Conc. due to Unit Emissions at the MEI	χ/Q (ug/m3)/(g/s)		μg/m ³	
	0 meter height		0 meter height	
	Annual	1-hr	Annual	1-hr
PM ₁₀ - DPM (μg/m ³)	14.88	702.77	0.48	22.54
PM _{2.5} (μg/m ³)	14.88	702.77	0.45	21.03

Health Risk Associated with Construction of the Planned Development at Alum Rock Station - Unmitigated

Duration of Construction : 1.5 years 560 days 400 workdays

Population	Receptor height(m)	Chemical	Concentration ($\mu\text{g}/\text{m}^3$)	DBR [L/kg-day]	EF [day/yr]	ED [yr]	ET [hour-24 hour]	FAH Fraction of Time At Home	CF [$\text{mg}/\mu\text{g} \times \text{m}^3/\text{L}$]	AT [days]	Dose mg/kg-day	ASF Risk Assessment Factor; 10 for child (construction) and 1.7 for lifetime	CPF Chemical or compound cancer potency factor ($\text{mg}/\text{kg}\text{-day}$) ⁻¹	Excess Cancer Risk per Million Potential chances per million	Chronic HQ
Child Resident	0	DPM	0.477	658.00	261.00	0.96	0.33	0.85	1.00E-06	560	7.19E-05	1.70	1.10	2.5	0.095
													Hazard Index	0.095	
PM _{2.5} Annual Ave.		0.463	$\mu\text{g}/\text{m}^3$												

Emission Rates Due to Construction of Planned Developments at Alum Rock Station - Mitigated

Average emission rates: PM₁₀= 0.0080948 g/s
 PM_{2.5}= 0.0077381 g/s

Max Conc. due to Unit Emissions at the MEI	χ/Q (ug/m3)/(g/s)		μg/m ³	
	0 meter height		0 meter height	
	Annual	1-hr	Annual	1-hr
PM ₁₀ - DPM (μg/m ³)	14.88	702.77	0.12	5.69
PM _{2.5} (μg/m ³)	14.88	702.77	0.12	5.44

Health Risk Associated with Construction of the Planned Development at Alum Rock Station - Mitigated

Duration of Construction : 1.5 years 560 days 400 workdays

Population	Receptor height(m)	Chemical	Concentration ($\mu\text{g}/\text{m}^3$)	DBR [L/kg-day]	EF [day/yr]	ED [yr]	ET [hour-24 hour]	FAH Fraction of Time At Home	CF [$\text{mg}/\mu\text{g} \times \text{m}^3/\text{L}$]	AT [days]	Dose mg/kg-day	ASF Risk Assessment Factor; 10 for child (construction) and 1.7 for lifetime	CPF Chemical or compound cancer potency factor ($\text{mg}/\text{kg}\cdot\text{day}$) ⁻¹	Excess Cancer Risk per Million Potential chances per million	Chronic HQ
Child Resident	0	DPM	0.120	658.00	261.00	0.96	0.33	0.85	1.00E-06	560	1.81E-05	1.70	1.10	0.6	0.024
													Hazard Index	0.024	
PM _{2.5} Annual Ave.		0.117	$\mu\text{g}/\text{m}^3$												

AERMOD Reports

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** Lakes Environmental AERMOD MPI
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** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 9.0.0
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 1/5/2016
** FILE: E:\AERMOD\BART-FAC\BART-FAC.ADI
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** AERMOD CONTROL PATHWAY
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CO STARTING
TITLEONE BART- ALUM ROCK STATION
MODELOPT DFAULT CONC
AVERTIME 1 8 24 PERIOD
POLLUTID Q/CHI
RUNORNOT RUN
ERRORFIL BART-FAC.ERR

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CO FINISHED
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** AERMOD SOURCE PATHWAY
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SO STARTING
** SOURCE LOCATION **

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** SOURCE ID - TYPE - X COORD. - Y COORD. **
LOCATION CON_ZONE AREAPOLY 600239.000 4134588.000 25.940
** DESCRSRC TOTAL CONSTRUCTION AREA ID'D ON ALUM ROCK SITE PLAN

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** SOURCE PARAMETERS **

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SRCPARAM CON_ZONE	0.0000140686	6.800	21	3.400
AREAVERT CON_ZONE	600239.000	4134588.000	600255.000	4134594.000
AREAVERT CON_ZONE	600336.000	4134493.000	600461.000	4134590.000
AREAVERT CON_ZONE	600456.000	4134597.000	600489.000	4134621.000
AREAVERT CON_ZONE	600494.000	4134621.000	600498.000	4134619.000
AREAVERT CON_ZONE	600669.000	4134414.000	600672.000	4134406.000
AREAVERT CON_ZONE	600672.000	4134400.000	600668.000	4134391.000
AREAVERT CON_ZONE	600665.000	4134386.000	600593.000	4134329.000
AREAVERT CON_ZONE	600545.000	4134299.000	600514.000	4134275.000
AREAVERT CON_ZONE	600562.000	4134215.000	600586.000	4134173.000
AREAVERT CON_ZONE	600561.000	4134155.000	600496.000	4134236.000
AREAVERT CON_ZONE	600510.000	4134245.000		

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** VARIABLE EMISSIONS TYPE: "BY HOUR-OF-DAY (HROFDY)"
** VARIABLE EMISSION SCENARIO: "WRKHRS"
EMISFACT CON_ZONE HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT CON_ZONE HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT CON_ZONE HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT CON_ZONE HROFDY 1.0 1.0 1.0 0.0 1.0 1.0
SRCGROUP ALL

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SO FINISHED
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** AERMOD RECEPTOR PATHWAY
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RE STARTING

** DESCRREC "FENCEGRD" "RECEPTORS GENERATED FROM FENCELINE GRID"

DISCCART	600272.44	4134683.22	27.55	27.55
DISCCART	600265.29	4134682.89	27.41	27.41
DISCCART	600258.14	4134682.57	27.36	27.36
DISCCART	600274.64	4134690.12	27.53	27.53
DISCCART	600260.95	4134689.50	27.29	27.29
DISCCART	600247.26	4134688.88	27.24	27.24
DISCCART	600291.16	4134700.33	27.76	27.76
DISCCART	600278.23	4134703.89	27.46	27.46
DISCCART	600271.19	4134703.57	27.32	27.32
DISCCART	600264.15	4134703.25	27.18	27.18
DISCCART	600257.11	4134702.93	27.11	27.11
DISCCART	600250.07	4134702.61	27.05	27.05
DISCCART	600243.03	4134702.29	26.99	26.99
DISCCART	600235.99	4134701.97	26.94	26.94
DISCCART	600301.10	4134710.06	27.94	27.94
DISCCART	600295.07	4134714.02	27.72	27.72
DISCCART	600281.85	4134717.65	27.44	27.44
DISCCART	600274.65	4134717.33	27.32	27.32
DISCCART	600267.45	4134717.00	27.20	27.20
DISCCART	600260.25	4134716.67	27.10	27.10
DISCCART	600253.05	4134716.35	27.02	27.02
DISCCART	600245.85	4134716.02	26.95	26.95
DISCCART	600238.65	4134715.69	26.88	26.88
DISCCART	600231.45	4134715.37	26.80	26.80
DISCCART	600224.25	4134715.04	26.71	26.71
DISCCART	600311.24	4134719.66	28.15	28.15
DISCCART	600305.10	4134723.69	27.92	27.92
DISCCART	600298.97	4134727.72	27.70	27.70
DISCCART	600285.50	4134731.42	27.39	27.39
DISCCART	600278.17	4134731.09	27.31	27.31
DISCCART	600270.84	4134730.76	27.22	27.22
DISCCART	600263.50	4134730.42	27.13	27.13
DISCCART	600256.17	4134730.09	27.06	27.06
DISCCART	600248.84	4134729.76	26.98	26.98
DISCCART	600241.50	4134729.43	26.91	26.91
DISCCART	600234.17	4134729.09	26.83	26.83
DISCCART	600226.84	4134728.76	26.71	26.71
DISCCART	600219.51	4134728.43	26.58	26.58
DISCCART	600212.17	4134728.09	26.45	26.45
DISCCART	600321.53	4134729.16	28.37	28.37
DISCCART	600315.30	4134733.25	28.14	28.14
DISCCART	600309.08	4134737.34	27.92	27.92
DISCCART	600302.85	4134741.44	27.73	27.73
DISCCART	600289.17	4134745.19	27.39	27.39
DISCCART	600281.73	4134744.86	27.32	27.32
DISCCART	600274.28	4134744.52	27.24	27.24
DISCCART	600266.83	4134744.18	27.16	27.16
DISCCART	600259.39	4134743.84	27.09	27.09
DISCCART	600251.94	4134743.50	27.01	27.01
DISCCART	600244.50	4134743.17	26.94	26.94
DISCCART	600237.05	4134742.83	26.86	26.86
DISCCART	600229.61	4134742.49	26.76	26.76
DISCCART	600222.16	4134742.15	26.62	26.62
DISCCART	600214.71	4134741.81	26.48	26.48
DISCCART	600207.27	4134741.48	26.34	26.34
DISCCART	600331.95	4134738.57	28.61	28.61
DISCCART	600325.64	4134742.72	28.42	28.42
DISCCART	600319.33	4134746.87	28.23	28.23
DISCCART	600313.02	4134751.01	28.04	28.04
DISCCART	600306.71	4134755.16	27.84	27.84
DISCCART	600292.86	4134758.96	27.43	27.43

DISCCART	600285.32	4134758.62	27.35	27.35
DISCCART	600277.77	4134758.28	27.28	27.28
DISCCART	600270.23	4134757.94	27.20	27.20
DISCCART	600262.69	4134757.60	27.12	27.12
DISCCART	600255.15	4134757.25	27.05	27.05
DISCCART	600247.60	4134756.91	26.97	26.97
DISCCART	600240.06	4134756.57	26.89	26.89
DISCCART	600232.52	4134756.23	26.81	26.81
DISCCART	600224.98	4134755.88	26.71	26.71
DISCCART	600217.43	4134755.54	26.60	26.60
DISCCART	600209.89	4134755.20	26.50	26.50
DISCCART	600202.35	4134754.86	26.39	26.39
DISCCART	600346.05	4134745.57	28.97	28.97
DISCCART	600340.07	4134749.50	28.79	28.79
DISCCART	600334.09	4134753.43	28.62	28.62
DISCCART	600328.11	4134757.36	28.46	28.46
DISCCART	600322.13	4134761.29	28.31	28.31
DISCCART	600316.15	4134765.22	28.13	28.13
DISCCART	600310.17	4134769.15	27.95	27.95
DISCCART	600297.04	4134772.76	27.60	27.60
DISCCART	600289.89	4134772.43	27.45	27.45
DISCCART	600282.74	4134772.11	27.36	27.36
DISCCART	600275.59	4134771.78	27.28	27.28
DISCCART	600268.44	4134771.46	27.19	27.19
DISCCART	600261.29	4134771.14	27.11	27.11
DISCCART	600254.14	4134770.81	27.04	27.04
DISCCART	600246.99	4134770.49	26.96	26.96
DISCCART	600239.84	4134770.16	26.89	26.89
DISCCART	600232.69	4134769.84	26.82	26.82
DISCCART	600225.54	4134769.51	26.74	26.74
DISCCART	600218.39	4134769.19	26.67	26.67
DISCCART	600211.24	4134768.86	26.60	26.60
DISCCART	600204.09	4134768.54	26.53	26.53
DISCCART	600196.94	4134768.21	26.45	26.45
DISCCART	600350.40	4134758.97	28.97	28.97
DISCCART	600344.34	4134762.95	28.80	28.80
DISCCART	600338.28	4134766.94	28.65	28.65
DISCCART	600332.22	4134770.92	28.47	28.47
DISCCART	600326.15	4134774.91	28.31	28.31
DISCCART	600320.09	4134778.89	28.15	28.15
DISCCART	600314.03	4134782.87	28.00	28.00
DISCCART	600300.72	4134786.53	27.76	27.76
DISCCART	600293.47	4134786.20	27.64	27.64
DISCCART	600286.23	4134785.87	27.51	27.51
DISCCART	600278.98	4134785.54	27.39	27.39
DISCCART	600271.74	4134785.21	27.27	27.27
DISCCART	600264.49	4134784.88	27.15	27.15
DISCCART	600257.24	4134784.56	27.07	27.07
DISCCART	600250.00	4134784.23	26.99	26.99
DISCCART	600242.75	4134783.90	26.92	26.92
DISCCART	600235.50	4134783.57	26.85	26.85
DISCCART	600228.26	4134783.24	26.77	26.77
DISCCART	600221.01	4134782.91	26.70	26.70
DISCCART	600213.76	4134782.58	26.63	26.63
DISCCART	600206.52	4134782.25	26.55	26.55
DISCCART	600199.27	4134781.92	26.48	26.48
DISCCART	600192.02	4134781.59	26.40	26.40
DISCCART	600307.59	4134811.84	27.65	27.65
DISCCART	600300.25	4134811.51	27.62	27.62
DISCCART	600292.92	4134811.17	27.58	27.58
DISCCART	600285.58	4134810.84	27.47	27.47
DISCCART	600278.25	4134810.51	27.36	27.36
DISCCART	600270.91	4134810.17	27.25	27.25
DISCCART	600263.58	4134809.84	27.13	27.13

DISCCART	600256.24	4134809.51	27.03	27.03
DISCCART	600248.91	4134809.17	26.92	26.92
DISCCART	600241.57	4134808.84	26.82	26.82
DISCCART	600234.24	4134808.51	26.72	26.72
DISCCART	600226.90	4134808.18	26.64	26.64
DISCCART	600219.57	4134807.84	26.57	26.57
DISCCART	600212.23	4134807.51	26.50	26.50
DISCCART	600204.90	4134807.18	26.43	26.43
DISCCART	600197.56	4134806.84	26.37	26.37
DISCCART	600190.23	4134806.51	26.33	26.33
DISCCART	600182.89	4134806.18	26.28	26.28
DISCCART	600292.25	4134836.14	27.13	27.13
DISCCART	600284.84	4134835.80	27.09	27.09
DISCCART	600277.43	4134835.47	27.05	27.05
DISCCART	600270.03	4134835.13	27.00	27.00
DISCCART	600262.62	4134834.79	26.95	26.95
DISCCART	600255.22	4134834.46	26.85	26.85
DISCCART	600247.81	4134834.12	26.74	26.74
DISCCART	600240.40	4134833.79	26.63	26.63
DISCCART	600233.00	4134833.45	26.52	26.52
DISCCART	600225.59	4134833.11	26.44	26.44
DISCCART	600218.19	4134832.78	26.37	26.37
DISCCART	600210.78	4134832.44	26.29	26.29
DISCCART	600203.37	4134832.10	26.21	26.21
DISCCART	600195.97	4134831.77	26.20	26.20
DISCCART	600188.56	4134831.43	26.19	26.19
DISCCART	600181.15	4134831.10	26.18	26.18
DISCCART	600173.75	4134830.76	26.17	26.17
DISCCART	600269.10	4134860.09	26.44	26.44
DISCCART	600261.64	4134859.75	26.45	26.45
DISCCART	600254.17	4134859.41	26.46	26.46
DISCCART	600246.71	4134859.07	26.46	26.46
DISCCART	600239.24	4134858.73	26.47	26.47
DISCCART	600231.78	4134858.39	26.47	26.47
DISCCART	600224.31	4134858.05	26.40	26.40
DISCCART	600216.85	4134857.71	26.33	26.33
DISCCART	600209.38	4134857.37	26.26	26.26
DISCCART	600201.92	4134857.04	26.19	26.19
DISCCART	600194.45	4134856.70	26.12	26.12
DISCCART	600186.99	4134856.36	26.05	26.05
DISCCART	600179.52	4134856.02	25.98	25.98
DISCCART	600172.05	4134855.68	25.90	25.90
DISCCART	600164.59	4134855.34	25.83	25.83
DISCCART	600253.11	4134884.36	25.95	25.95
DISCCART	600245.60	4134884.02	25.96	25.96
DISCCART	600238.08	4134883.67	25.96	25.96
DISCCART	600230.57	4134883.33	25.97	25.97
DISCCART	600223.06	4134882.99	25.97	25.97
DISCCART	600215.54	4134882.65	25.96	25.96
DISCCART	600208.03	4134882.31	25.96	25.96
DISCCART	600200.51	4134881.97	25.93	25.93
DISCCART	600193.00	4134881.63	25.85	25.85
DISCCART	600185.48	4134881.29	25.78	25.78
DISCCART	600177.97	4134880.94	25.71	25.71
DISCCART	600170.45	4134880.60	25.63	25.63
DISCCART	600162.94	4134880.26	25.56	25.56
DISCCART	600155.42	4134879.92	25.49	25.49
DISCCART	600492.93	4134784.82	29.61	29.61
DISCCART	600497.70	4134778.88	29.54	29.54
DISCCART	600502.46	4134772.94	29.51	29.51
DISCCART	600507.23	4134767.00	29.44	29.44
DISCCART	600511.99	4134761.05	29.20	29.20
DISCCART	600516.76	4134755.11	28.97	28.97
DISCCART	600521.52	4134749.17	28.76	28.76

DISCCART	600526.29	4134743.23	28.57	28.57
DISCCART	600531.05	4134737.29	28.40	28.40
DISCCART	600535.82	4134731.35	28.37	28.37
DISCCART	600540.58	4134725.41	28.35	28.35
DISCCART	600545.35	4134719.47	28.32	28.32
DISCCART	600550.11	4134713.53	28.30	28.30
DISCCART	600554.88	4134707.58	28.27	28.27
DISCCART	600559.64	4134701.64	28.18	28.18
DISCCART	600564.41	4134695.70	28.14	28.14
DISCCART	600569.17	4134689.76	28.15	28.15
DISCCART	600573.93	4134683.82	28.16	28.16
DISCCART	600284.82	4134706.44	27.57	27.57
DISCCART	600298.48	4134750.27	27.59	27.59
DISCCART	600322.29	4134768.74	28.30	28.30
DISCCART	600266.30	4134791.75	27.19	27.19
DISCCART	600272.25	4134796.36	27.31	27.31
DISCCART	600278.20	4134800.98	27.41	27.41
DISCCART	600184.73	4134761.67	26.28	26.28
DISCCART	600202.59	4134775.53	26.51	26.51
DISCCART	600226.40	4134794.01	26.75	26.75
DISCCART	600232.35	4134798.63	26.79	26.79
DISCCART	600256.16	4134817.10	27.01	27.01
DISCCART	600262.11	4134821.72	27.11	27.11
DISCCART	600268.06	4134826.34	27.18	27.18
DISCCART	600255.53	4134443.24	26.47	26.47
DISCCART	600250.53	4134450.24	26.44	26.44
DISCCART	600234.17	4134427.98	26.52	26.52
DISCCART	600229.17	4134434.98	26.56	26.56
DISCCART	600212.81	4134412.72	26.72	26.72
DISCCART	600207.81	4134419.72	26.78	26.78
DISCCART	600295.16	4134734.83	27.51	27.51
DISCCART	600288.21	4134723.54	27.49	27.49
DISCCART	600328.43	4134783.98	28.24	28.24
DISCCART	600304.01	4134795.56	27.84	27.84
DISCCART	600241.49	4134693.91	27.13	27.13
DISCCART	600247.51	4134463.15	26.39	26.39
DISCCART	600312.99	4134805.21	27.79	27.79
DISCCART	600188.40	4134609.36	26.75	26.75
DISCCART	600212.56	4134506.02	26.56	26.56
DISCCART	600215.58	4134493.11	26.70	26.70
DISCCART	600218.60	4134480.19	26.67	26.67
DISCCART	600221.62	4134467.27	26.64	26.64
DISCCART	600224.64	4134454.36	26.60	26.60
DISCCART	600292.05	4134822.44	27.46	27.46
DISCCART	600248.80	4134798.45	26.97	26.97
DISCCART	600156.45	4134639.39	26.69	26.69
DISCCART	600159.47	4134626.47	26.78	26.78
DISCCART	600162.49	4134613.55	26.83	26.83
DISCCART	600165.51	4134600.63	26.86	26.86
DISCCART	600177.60	4134548.94	26.44	26.44
DISCCART	600180.62	4134536.02	26.42	26.42
DISCCART	600183.64	4134523.10	26.48	26.48
DISCCART	600186.66	4134510.18	26.71	26.71
DISCCART	600189.68	4134497.25	26.94	26.94
DISCCART	600192.70	4134484.33	26.97	26.97
DISCCART	600195.73	4134471.41	26.96	26.96
DISCCART	600198.75	4134458.49	26.91	26.91
DISCCART	600201.77	4134445.57	26.85	26.85
DISCCART	600204.79	4134432.64	26.81	26.81
DISCCART	600276.61	4134843.66	26.84	26.84
DISCCART	600494.00	4134792.43	29.56	29.56
DISCCART	600484.25	4134805.17	29.69	29.69
DISCCART	600494.00	4134806.71	29.40	29.40
DISCCART	600484.29	4134819.47	29.46	29.46

DISCCART	600494.00	4134821.00	29.22	29.22
DISCCART	600534.66	4134711.40	28.81	28.81
DISCCART	600542.72	4134708.44	28.63	28.63
DISCCART	600528.07	4134727.24	28.59	28.59
DISCCART	600547.39	4134736.97	27.92	27.92
DISCCART	600539.18	4134738.91	28.19	28.19
DISCCART	600514.54	4134744.72	28.86	28.86
DISCCART	600555.50	4134734.00	27.72	27.72
DISCCART	600553.63	4134749.78	27.86	27.86
DISCCART	600545.11	4134751.79	28.14	28.14
DISCCART	600536.59	4134753.80	28.42	28.42
DISCCART	600528.07	4134755.81	28.68	28.68
DISCCART	600561.89	4134746.78	27.58	27.58
DISCCART	600560.14	4134762.53	27.79	27.79
DISCCART	600551.87	4134764.48	28.06	28.06
DISCCART	600543.61	4134766.43	28.33	28.33
DISCCART	600535.34	4134768.38	28.57	28.57
DISCCART	600527.07	4134770.34	28.80	28.80
DISCCART	600518.80	4134772.29	29.03	29.03
DISCCART	600510.54	4134774.24	29.26	29.26
DISCCART	600568.28	4134759.55	27.63	27.63
DISCCART	600566.41	4134775.34	27.60	27.60
DISCCART	600557.89	4134777.35	27.79	27.79
DISCCART	600549.37	4134779.36	28.03	28.03
DISCCART	600540.85	4134781.37	28.27	28.27
DISCCART	600532.33	4134783.38	28.51	28.51
DISCCART	600523.81	4134785.39	28.74	28.74
DISCCART	600515.30	4134787.40	28.98	28.98
DISCCART	600506.78	4134789.41	29.22	29.22
DISCCART	600574.67	4134772.33	27.54	27.54
DISCCART	600572.90	4134788.09	27.35	27.35
DISCCART	600564.60	4134790.05	27.47	27.47
DISCCART	600556.29	4134792.01	27.69	27.69
DISCCART	600547.99	4134793.97	27.92	27.92
DISCCART	600539.68	4134795.93	28.15	28.15
DISCCART	600531.37	4134797.89	28.40	28.40
DISCCART	600523.07	4134799.85	28.64	28.64
DISCCART	600514.76	4134801.81	28.87	28.87
DISCCART	600506.46	4134803.77	29.09	29.09
DISCCART	600581.05	4134785.11	27.25	27.25
DISCCART	600579.18	4134800.89	27.13	27.13
DISCCART	600570.67	4134802.90	27.30	27.30
DISCCART	600562.15	4134804.91	27.46	27.46
DISCCART	600553.63	4134806.92	27.72	27.72
DISCCART	600545.11	4134808.93	27.98	27.98
DISCCART	600536.59	4134810.95	28.24	28.24
DISCCART	600528.07	4134812.96	28.47	28.47
DISCCART	600519.56	4134814.97	28.68	28.68
DISCCART	600511.04	4134816.98	28.87	28.87
DISCCART	600502.52	4134818.99	29.05	29.05
DISCCART	600587.44	4134797.89	26.95	26.95
DISCCART	600590.97	4134824.36	27.13	27.13
DISCCART	600582.53	4134826.35	27.23	27.23
DISCCART	600574.10	4134828.34	27.31	27.31
DISCCART	600565.67	4134830.33	27.40	27.40
DISCCART	600557.24	4134832.32	27.60	27.60
DISCCART	600548.81	4134834.31	27.83	27.83
DISCCART	600540.38	4134836.30	28.05	28.05
DISCCART	600531.94	4134838.29	28.25	28.25
DISCCART	600523.51	4134840.28	28.36	28.36
DISCCART	600515.08	4134842.27	28.46	28.46
DISCCART	600506.65	4134844.26	28.54	28.54
DISCCART	600599.18	4134821.36	26.94	26.94
DISCCART	600602.58	4134847.87	26.72	26.72

DISCCART	600593.89	4134849.92	26.87	26.87
DISCCART	600585.21	4134851.97	27.02	27.02
DISCCART	600576.52	4134854.02	27.17	27.17
DISCCART	600567.83	4134856.07	27.34	27.34
DISCCART	600559.15	4134858.12	27.51	27.51
DISCCART	600550.46	4134860.17	27.66	27.66
DISCCART	600541.77	4134862.22	27.78	27.78
DISCCART	600533.09	4134864.27	27.88	27.88
DISCCART	600610.92	4134844.84	26.58	26.58
DISCCART	600614.36	4134871.34	26.39	26.39
DISCCART	600605.76	4134873.37	26.57	26.57
DISCCART	600597.17	4134875.40	26.74	26.74
DISCCART	600588.57	4134877.42	26.92	26.92
DISCCART	600579.97	4134879.45	27.09	27.09
DISCCART	600571.38	4134881.48	27.27	27.27
DISCCART	600562.78	4134883.51	27.43	27.43
DISCCART	600554.18	4134885.54	27.44	27.44
DISCCART	600622.66	4134868.32	26.22	26.22
DISCCART	600626.14	4134894.81	26.26	26.26
DISCCART	600617.61	4134896.82	26.41	26.41
DISCCART	600609.09	4134898.83	26.57	26.57
DISCCART	600600.56	4134900.84	26.71	26.71
DISCCART	600592.04	4134902.86	26.83	26.83
DISCCART	600583.51	4134904.87	26.90	26.90
DISCCART	600574.99	4134906.88	26.94	26.94
DISCCART	600634.40	4134891.80	26.13	26.13
DISCCART	600572.59	4134652.25	27.67	27.67
DISCCART	600573.32	4134662.52	27.91	27.91
DISCCART	600578.07	4134656.82	27.79	27.79
DISCCART	600582.82	4134651.13	27.71	27.71
DISCCART	600587.57	4134645.43	27.65	27.65
DISCCART	600592.32	4134639.74	27.53	27.53
DISCCART	600597.07	4134634.04	27.39	27.39
DISCCART	600601.82	4134628.35	27.29	27.29
DISCCART	600606.57	4134622.65	27.23	27.23
DISCCART	600611.32	4134616.96	27.20	27.20
DISCCART	600616.07	4134611.27	27.23	27.23
DISCCART	600620.82	4134605.57	27.27	27.27
DISCCART	600625.57	4134599.88	27.28	27.28
DISCCART	600630.32	4134594.18	27.26	27.26
DISCCART	600635.07	4134588.49	27.26	27.26
DISCCART	600639.82	4134582.79	27.26	27.26
DISCCART	600564.34	4134682.41	28.27	28.27
DISCCART	600554.42	4134690.27	28.28	28.28
DISCCART	600574.06	4134672.79	28.15	28.15
DISCCART	600578.81	4134667.09	28.00	28.00
DISCCART	600583.56	4134661.40	27.89	27.89
DISCCART	600588.31	4134655.70	27.81	27.81
DISCCART	600593.06	4134650.01	27.77	27.77
DISCCART	600597.81	4134644.31	27.68	27.68
DISCCART	600602.56	4134638.62	27.55	27.55
DISCCART	600607.31	4134632.92	27.45	27.45
DISCCART	600612.06	4134627.23	27.40	27.40
DISCCART	600616.81	4134621.54	27.38	27.38
DISCCART	600621.56	4134615.84	27.39	27.39
DISCCART	600626.31	4134610.15	27.37	27.37
DISCCART	600631.06	4134604.45	27.34	27.34
DISCCART	600635.81	4134598.76	27.33	27.33
DISCCART	600640.56	4134593.06	27.33	27.33
DISCCART	600645.31	4134587.37	27.35	27.35
DISCCART	600650.06	4134581.67	27.35	27.35
DISCCART	600654.81	4134575.98	27.33	27.33
DISCCART	600659.56	4134570.29	27.30	27.30
DISCCART	600664.31	4134564.59	27.29	27.29

DISCCART	600669.06	4134558.90	27.30	27.30
DISCCART	600673.81	4134553.20	27.30	27.30
DISCCART	600678.56	4134547.51	27.29	27.29
DISCCART	600683.31	4134541.81	27.28	27.28
DISCCART	600688.06	4134536.12	27.26	27.26
DISCCART	600692.81	4134530.42	27.25	27.25
DISCCART	600697.56	4134524.73	27.26	27.26
DISCCART	600702.31	4134519.04	27.25	27.25
DISCCART	600707.06	4134513.34	27.24	27.24
DISCCART	600711.81	4134507.65	27.23	27.23
DISCCART	600716.56	4134501.95	27.21	27.21
DISCCART	600721.31	4134496.26	27.21	27.21
DISCCART	600579.54	4134677.36	28.17	28.17
DISCCART	600584.29	4134671.67	28.05	28.05
DISCCART	600589.04	4134665.97	27.95	27.95
DISCCART	600593.79	4134660.28	27.88	27.88
DISCCART	600598.54	4134654.58	27.82	27.82
DISCCART	600603.29	4134648.89	27.76	27.76
DISCCART	600608.04	4134643.19	27.67	27.67
DISCCART	600612.79	4134637.50	27.58	27.58
DISCCART	600617.54	4134631.81	27.53	27.53
DISCCART	600622.29	4134626.11	27.52	27.52
DISCCART	600627.04	4134620.42	27.47	27.47
DISCCART	600631.79	4134614.72	27.42	27.42
DISCCART	600636.54	4134609.03	27.39	27.39
DISCCART	600641.29	4134603.33	27.38	27.38
DISCCART	600646.04	4134597.64	27.39	27.39
DISCCART	600650.79	4134591.94	27.41	27.41
DISCCART	600655.54	4134586.25	27.43	27.43
DISCCART	600660.29	4134580.56	27.39	27.39
DISCCART	600665.04	4134574.86	27.36	27.36
DISCCART	600669.79	4134569.17	27.35	27.35
DISCCART	600674.54	4134563.47	27.36	27.36
DISCCART	600679.29	4134557.78	27.39	27.39
DISCCART	600684.04	4134552.08	27.39	27.39
DISCCART	600688.79	4134546.39	27.35	27.35
DISCCART	600693.54	4134540.69	27.33	27.33
DISCCART	600698.29	4134535.00	27.32	27.32
DISCCART	600703.04	4134529.31	27.34	27.34
DISCCART	600707.79	4134523.61	27.35	27.35
DISCCART	600712.54	4134517.92	27.34	27.34
DISCCART	600717.29	4134512.22	27.31	27.31
DISCCART	600722.04	4134506.53	27.29	27.29
DISCCART	600726.79	4134500.83	27.29	27.29
DISCCART	600731.54	4134495.14	27.30	27.30
DISCCART	600736.29	4134489.44	27.29	27.29
DISCCART	600741.04	4134483.75	27.28	27.28
DISCCART	600745.79	4134478.06	27.25	27.25
DISCCART	600580.53	4134696.35	27.97	27.97
DISCCART	600570.05	4134704.64	27.99	27.99
DISCCART	600559.58	4134712.93	28.02	28.02
DISCCART	600590.51	4134686.51	27.97	27.97
DISCCART	600595.26	4134680.82	28.00	28.00
DISCCART	600600.01	4134675.12	28.03	28.03
DISCCART	600604.76	4134669.43	27.97	27.97
DISCCART	600609.51	4134663.73	27.91	27.91
DISCCART	600614.26	4134658.04	27.85	27.85
DISCCART	600619.01	4134652.34	27.80	27.80
DISCCART	600623.76	4134646.65	27.73	27.73
DISCCART	600628.51	4134640.96	27.64	27.64
DISCCART	600633.26	4134635.26	27.56	27.56
DISCCART	600638.01	4134629.57	27.50	27.50
DISCCART	600642.76	4134623.87	27.46	27.46
DISCCART	600647.51	4134618.18	27.44	27.44

DISCCART	600652.26	4134612.48	27.43	27.43
DISCCART	600657.01	4134606.79	27.43	27.43
DISCCART	600661.76	4134601.09	27.43	27.43
DISCCART	600666.51	4134595.40	27.43	27.43
DISCCART	600671.26	4134589.71	27.43	27.43
DISCCART	600676.01	4134584.01	27.43	27.43
DISCCART	600680.76	4134578.32	27.43	27.43
DISCCART	600685.51	4134572.62	27.42	27.42
DISCCART	600690.26	4134566.93	27.41	27.41
DISCCART	600695.01	4134561.23	27.41	27.41
DISCCART	600699.76	4134555.54	27.43	27.43
DISCCART	600704.51	4134549.84	27.41	27.41
DISCCART	600709.26	4134544.15	27.42	27.42
DISCCART	600714.01	4134538.46	27.43	27.43
DISCCART	600718.76	4134532.76	27.43	27.43
DISCCART	600723.51	4134527.07	27.43	27.43
DISCCART	600728.26	4134521.37	27.41	27.41
DISCCART	600733.01	4134515.68	27.39	27.39
DISCCART	600737.76	4134509.98	27.40	27.40
DISCCART	600742.51	4134504.29	27.43	27.43
DISCCART	600747.26	4134498.59	27.43	27.43
DISCCART	600752.01	4134492.90	27.40	27.40
DISCCART	600756.76	4134487.21	27.34	27.34
DISCCART	600591.58	4134705.44	27.76	27.76
DISCCART	600581.27	4134713.60	27.76	27.76
DISCCART	600570.96	4134721.76	27.69	27.69
DISCCART	600601.48	4134695.66	27.85	27.85
DISCCART	600606.23	4134689.97	27.90	27.90
DISCCART	600610.98	4134684.27	27.96	27.96
DISCCART	600615.73	4134678.58	28.02	28.02
DISCCART	600620.48	4134672.88	28.01	28.01
DISCCART	600625.23	4134667.19	27.91	27.91
DISCCART	600629.98	4134661.50	27.79	27.79
DISCCART	600634.73	4134655.80	27.68	27.68
DISCCART	600639.48	4134650.11	27.59	27.59
DISCCART	600644.23	4134644.41	27.52	27.52
DISCCART	600648.98	4134638.72	27.46	27.46
DISCCART	600653.73	4134633.02	27.43	27.43
DISCCART	600658.48	4134627.33	27.43	27.43
DISCCART	600663.23	4134621.63	27.43	27.43
DISCCART	600667.98	4134615.94	27.43	27.43
DISCCART	600672.73	4134610.25	27.43	27.43
DISCCART	600677.48	4134604.55	27.43	27.43
DISCCART	600682.23	4134598.86	27.43	27.43
DISCCART	600686.98	4134593.16	27.39	27.39
DISCCART	600691.73	4134587.47	27.35	27.35
DISCCART	600696.48	4134581.77	27.32	27.32
DISCCART	600701.23	4134576.08	27.31	27.31
DISCCART	600705.98	4134570.38	27.32	27.32
DISCCART	600710.73	4134564.69	27.36	27.36
DISCCART	600715.48	4134559.00	27.41	27.41
DISCCART	600720.23	4134553.30	27.43	27.43
DISCCART	600724.98	4134547.61	27.43	27.43
DISCCART	600729.73	4134541.91	27.43	27.43
DISCCART	600734.48	4134536.22	27.43	27.43
DISCCART	600739.23	4134530.52	27.43	27.43
DISCCART	600743.98	4134524.83	27.42	27.42
DISCCART	600748.73	4134519.13	27.39	27.39
DISCCART	600753.48	4134513.44	27.37	27.37
DISCCART	600758.23	4134507.75	27.37	27.37
DISCCART	600762.98	4134502.05	27.39	27.39
DISCCART	600767.73	4134496.36	27.43	27.43
DISCCART	600601.98	4134715.04	27.65	27.65
DISCCART	600596.25	4134719.57	27.60	27.60

DISCCART	600590.52	4134724.11	27.57	27.57
DISCCART	600584.79	4134728.64	27.53	27.53
DISCCART	600579.07	4134733.17	27.48	27.48
DISCCART	600573.34	4134737.71	27.44	27.44
DISCCART	600567.61	4134742.24	27.48	27.48
DISCCART	600607.70	4134710.51	27.70	27.70
DISCCART	600612.45	4134704.81	27.75	27.75
DISCCART	600617.20	4134699.12	27.81	27.81
DISCCART	600621.95	4134693.42	27.87	27.87
DISCCART	600626.70	4134687.73	27.87	27.87
DISCCART	600631.45	4134682.04	27.83	27.83
DISCCART	600636.20	4134676.34	27.78	27.78
DISCCART	600640.95	4134670.65	27.66	27.66
DISCCART	600645.70	4134664.95	27.56	27.56
DISCCART	600650.45	4134659.26	27.47	27.47
DISCCART	600655.20	4134653.56	27.43	27.43
DISCCART	600659.95	4134647.87	27.43	27.43
DISCCART	600664.70	4134642.17	27.43	27.43
DISCCART	600669.45	4134636.48	27.43	27.43
DISCCART	600674.20	4134630.79	27.43	27.43
DISCCART	600678.95	4134625.09	27.43	27.43
DISCCART	600683.70	4134619.40	27.43	27.43
DISCCART	600688.45	4134613.70	27.38	27.38
DISCCART	600693.20	4134608.01	27.33	27.33
DISCCART	600697.95	4134602.31	27.28	27.28
DISCCART	600702.70	4134596.62	27.23	27.23
DISCCART	600707.45	4134590.92	27.19	27.19
DISCCART	600712.20	4134585.23	27.15	27.15
DISCCART	600716.95	4134579.54	27.20	27.20
DISCCART	600721.70	4134573.84	27.26	27.26
DISCCART	600726.45	4134568.15	27.31	27.31
DISCCART	600731.20	4134562.45	27.37	27.37
DISCCART	600735.95	4134556.76	27.43	27.43
DISCCART	600740.70	4134551.06	27.43	27.43
DISCCART	600745.45	4134545.37	27.41	27.41
DISCCART	600750.20	4134539.67	27.36	27.36
DISCCART	600754.95	4134533.98	27.31	27.31
DISCCART	600759.70	4134528.29	27.26	27.26
DISCCART	600764.45	4134522.59	27.24	27.24
DISCCART	600769.20	4134516.90	27.25	27.25
DISCCART	600773.95	4134511.20	27.28	27.28
DISCCART	600778.70	4134505.51	27.34	27.34
DISCCART	600613.07	4134724.09	27.56	27.56
DISCCART	600607.47	4134728.52	27.51	27.51
DISCCART	600601.87	4134732.96	27.47	27.47
DISCCART	600596.27	4134737.39	27.43	27.43
DISCCART	600590.67	4134741.82	27.44	27.44
DISCCART	600585.08	4134746.25	27.46	27.46
DISCCART	600579.48	4134750.69	27.50	27.50
DISCCART	600573.88	4134755.12	27.55	27.55
DISCCART	600618.67	4134719.66	27.60	27.60
DISCCART	600623.42	4134713.96	27.66	27.66
DISCCART	600628.17	4134708.27	27.66	27.66
DISCCART	600632.92	4134702.57	27.66	27.66
DISCCART	600637.67	4134696.88	27.64	27.64
DISCCART	600642.42	4134691.19	27.60	27.60
DISCCART	600647.17	4134685.49	27.54	27.54
DISCCART	600651.92	4134679.80	27.46	27.46
DISCCART	600656.67	4134674.10	27.43	27.43
DISCCART	600661.42	4134668.41	27.43	27.43
DISCCART	600666.17	4134662.71	27.43	27.43
DISCCART	600670.92	4134657.02	27.43	27.43
DISCCART	600675.67	4134651.32	27.43	27.43
DISCCART	600680.42	4134645.63	27.43	27.43

DISCCART	600685.17	4134639.94	27.41	27.41
DISCCART	600689.92	4134634.24	27.36	27.36
DISCCART	600694.67	4134628.55	27.32	27.32
DISCCART	600699.42	4134622.85	27.27	27.27
DISCCART	600704.17	4134617.16	27.22	27.22
DISCCART	600708.92	4134611.46	27.17	27.17
DISCCART	600713.67	4134605.77	27.12	27.12
DISCCART	600718.42	4134600.07	27.10	27.10
DISCCART	600723.17	4134594.38	27.10	27.10
DISCCART	600727.92	4134588.69	27.12	27.12
DISCCART	600732.67	4134582.99	27.16	27.16
DISCCART	600737.42	4134577.30	27.22	27.22
DISCCART	600742.17	4134571.60	27.28	27.28
DISCCART	600746.92	4134565.91	27.30	27.30
DISCCART	600751.67	4134560.21	27.31	27.31
DISCCART	600756.42	4134554.52	27.30	27.30
DISCCART	600761.17	4134548.82	27.25	27.25
DISCCART	600765.92	4134543.13	27.20	27.20
DISCCART	600770.67	4134537.44	27.15	27.15
DISCCART	600775.42	4134531.74	27.12	27.12
DISCCART	600780.17	4134526.05	27.13	27.13
DISCCART	600784.92	4134520.35	27.19	27.19
DISCCART	600789.67	4134514.66	27.25	27.25
DISCCART	600624.14	4134733.16	27.45	27.45
DISCCART	600618.65	4134737.51	27.43	27.43
DISCCART	600613.15	4134741.87	27.43	27.43
DISCCART	600607.65	4134746.22	27.43	27.43
DISCCART	600602.15	4134750.57	27.43	27.43
DISCCART	600596.66	4134754.92	27.43	27.43
DISCCART	600591.16	4134759.27	27.45	27.45
DISCCART	600585.66	4134763.63	27.50	27.50
DISCCART	600580.16	4134767.98	27.54	27.54
DISCCART	600629.64	4134728.81	27.40	27.40
DISCCART	600634.39	4134723.11	27.39	27.39
DISCCART	600639.14	4134717.42	27.40	27.40
DISCCART	600643.89	4134711.73	27.44	27.44
DISCCART	600648.64	4134706.03	27.48	27.48
DISCCART	600653.39	4134700.34	27.43	27.43
DISCCART	600658.14	4134694.64	27.40	27.40
DISCCART	600662.89	4134688.95	27.39	27.39
DISCCART	600667.64	4134683.25	27.40	27.40
DISCCART	600672.39	4134677.56	27.42	27.42
DISCCART	600677.14	4134671.86	27.43	27.43
DISCCART	600681.89	4134666.17	27.43	27.43
DISCCART	600686.64	4134660.48	27.40	27.40
DISCCART	600691.39	4134654.78	27.35	27.35
DISCCART	600696.14	4134649.09	27.30	27.30
DISCCART	600700.89	4134643.39	27.25	27.25
DISCCART	600705.64	4134637.70	27.20	27.20
DISCCART	600710.39	4134632.00	27.16	27.16
DISCCART	600715.14	4134626.31	27.11	27.11
DISCCART	600719.89	4134620.61	27.06	27.06
DISCCART	600724.64	4134614.92	27.02	27.02
DISCCART	600729.39	4134609.23	27.00	27.00
DISCCART	600734.14	4134603.53	27.01	27.01
DISCCART	600738.89	4134597.84	27.03	27.03
DISCCART	600743.64	4134592.14	27.06	27.06
DISCCART	600748.39	4134586.45	27.07	27.07
DISCCART	600753.14	4134580.75	27.08	27.08
DISCCART	600757.89	4134575.06	27.09	27.09
DISCCART	600762.64	4134569.36	27.10	27.10
DISCCART	600767.39	4134563.67	27.11	27.11
DISCCART	600772.14	4134557.98	27.12	27.12
DISCCART	600776.89	4134552.28	27.09	27.09

DISCCART	600781.64	4134546.59	27.07	27.07
DISCCART	600786.39	4134540.89	27.06	27.06
DISCCART	600791.14	4134535.20	27.07	27.07
DISCCART	600795.89	4134529.50	27.10	27.10
DISCCART	600800.64	4134523.81	27.15	27.15
DISCCART	600635.20	4134742.25	27.19	27.19
DISCCART	600624.37	4134750.82	27.41	27.41
DISCCART	600618.95	4134755.10	27.43	27.43
DISCCART	600613.54	4134759.39	27.43	27.43
DISCCART	600608.13	4134763.68	27.43	27.43
DISCCART	600602.71	4134767.96	27.39	27.39
DISCCART	600591.88	4134776.54	27.24	27.24
DISCCART	600640.61	4134737.96	27.08	27.08
DISCCART	600645.36	4134732.27	27.06	27.06
DISCCART	600650.11	4134726.57	27.08	27.08
DISCCART	600654.86	4134720.88	27.12	27.12
DISCCART	600659.61	4134715.18	27.19	27.19
DISCCART	600664.36	4134709.49	27.26	27.26
DISCCART	600669.11	4134703.79	27.28	27.28
DISCCART	600673.86	4134698.10	27.28	27.28
DISCCART	600678.61	4134692.40	27.29	27.29
DISCCART	600683.36	4134686.71	27.33	27.33
DISCCART	600688.11	4134681.02	27.34	27.34
DISCCART	600692.86	4134675.32	27.33	27.33
DISCCART	600697.61	4134669.63	27.29	27.29
DISCCART	600702.36	4134663.93	27.24	27.24
DISCCART	600707.11	4134658.24	27.19	27.19
DISCCART	600711.86	4134652.54	27.14	27.14
DISCCART	600716.61	4134646.85	27.09	27.09
DISCCART	600721.36	4134641.15	27.04	27.04
DISCCART	600726.11	4134635.46	27.00	27.00
DISCCART	600730.86	4134629.77	26.95	26.95
DISCCART	600735.61	4134624.07	26.90	26.90
DISCCART	600740.36	4134618.38	26.85	26.85
DISCCART	600745.11	4134612.68	26.84	26.84
DISCCART	600749.86	4134606.99	26.85	26.85
DISCCART	600754.61	4134601.29	26.86	26.86
DISCCART	600759.36	4134595.60	26.87	26.87
DISCCART	600764.11	4134589.90	26.88	26.88
DISCCART	600768.86	4134584.21	26.89	26.89
DISCCART	600773.61	4134578.52	26.90	26.90
DISCCART	600778.36	4134572.82	26.94	26.94
DISCCART	600783.11	4134567.13	26.95	26.95
DISCCART	600787.86	4134561.43	26.95	26.95
DISCCART	600792.61	4134555.74	26.93	26.93
DISCCART	600797.36	4134550.04	26.93	26.93
DISCCART	600802.11	4134544.35	26.95	26.95
DISCCART	600806.86	4134538.65	27.00	27.00
DISCCART	600811.61	4134532.96	27.06	27.06
DISCCART	600646.24	4134751.34	26.96	26.96
DISCCART	600635.55	4134759.80	27.18	27.18
DISCCART	600624.86	4134768.27	27.31	27.31
DISCCART	600614.17	4134776.73	27.00	27.00
DISCCART	600603.48	4134785.19	26.86	26.86
DISCCART	600656.33	4134741.42	26.79	26.79
DISCCART	600661.08	4134735.72	26.76	26.76
DISCCART	600665.83	4134730.03	26.82	26.82
DISCCART	600670.58	4134724.33	26.89	26.89
DISCCART	600675.33	4134718.64	26.96	26.96
DISCCART	600680.08	4134712.94	27.03	27.03
DISCCART	600684.83	4134707.25	27.09	27.09
DISCCART	600689.58	4134701.55	27.11	27.11
DISCCART	600694.33	4134695.86	27.12	27.12
DISCCART	600699.08	4134690.17	27.13	27.13

DISCCART	600703.83	4134684.47	27.14	27.14
DISCCART	600708.58	4134678.78	27.15	27.15
DISCCART	600713.33	4134673.08	27.13	27.13
DISCCART	600718.08	4134667.39	27.08	27.08
DISCCART	600722.83	4134661.69	27.03	27.03
DISCCART	600727.58	4134656.00	26.98	26.98
DISCCART	600732.33	4134650.30	26.93	26.93
DISCCART	600737.08	4134644.61	26.88	26.88
DISCCART	600741.83	4134638.92	26.84	26.84
DISCCART	600746.58	4134633.22	26.81	26.81
DISCCART	600751.33	4134627.53	26.77	26.77
DISCCART	600756.08	4134621.83	26.71	26.71
DISCCART	600760.83	4134616.14	26.65	26.65
DISCCART	600765.58	4134610.44	26.66	26.66
DISCCART	600770.33	4134604.75	26.67	26.67
DISCCART	600775.08	4134599.05	26.69	26.69
DISCCART	600779.83	4134593.36	26.75	26.75
DISCCART	600784.58	4134587.67	26.81	26.81
DISCCART	600789.33	4134581.97	26.84	26.84
DISCCART	600794.08	4134576.28	26.85	26.85
DISCCART	600798.83	4134570.58	26.85	26.85
DISCCART	600803.58	4134564.89	26.82	26.82
DISCCART	600808.33	4134559.19	26.82	26.82
DISCCART	600813.08	4134553.50	26.85	26.85
DISCCART	600817.83	4134547.80	26.91	26.91
DISCCART	600822.58	4134542.11	26.97	26.97
DISCCART	600666.16	4134768.34	26.64	26.64
DISCCART	600660.58	4134772.76	26.57	26.57
DISCCART	600655.00	4134777.18	26.48	26.48
DISCCART	600649.41	4134781.60	26.40	26.40
DISCCART	600643.83	4134786.02	26.29	26.29
DISCCART	600638.25	4134790.44	26.15	26.15
DISCCART	600632.67	4134794.85	25.98	25.98
DISCCART	600627.09	4134799.27	25.96	25.96
DISCCART	600621.51	4134803.69	26.10	26.10
DISCCART	600615.93	4134808.11	26.34	26.34
DISCCART	600610.34	4134812.53	26.56	26.56
DISCCART	600604.76	4134816.95	26.76	26.76
DISCCART	600671.74	4134763.93	26.63	26.63
DISCCART	600676.49	4134758.23	26.59	26.59
DISCCART	600681.24	4134752.54	26.54	26.54
DISCCART	600685.99	4134746.84	26.49	26.49
DISCCART	600690.74	4134741.15	26.44	26.44
DISCCART	600695.49	4134735.45	26.41	26.41
DISCCART	600700.24	4134729.76	26.48	26.48
DISCCART	600704.99	4134724.06	26.55	26.55
DISCCART	600709.74	4134718.37	26.62	26.62
DISCCART	600714.49	4134712.68	26.70	26.70
DISCCART	600719.24	4134706.98	26.81	26.81
DISCCART	600723.99	4134701.29	26.86	26.86
DISCCART	600728.74	4134695.59	26.88	26.88
DISCCART	600733.49	4134689.90	26.88	26.88
DISCCART	600738.24	4134684.20	26.86	26.86
DISCCART	600742.99	4134678.51	26.82	26.82
DISCCART	600747.74	4134672.81	26.82	26.82
DISCCART	600752.49	4134667.12	26.82	26.82
DISCCART	600757.24	4134661.43	26.82	26.82
DISCCART	600761.99	4134655.73	26.82	26.82
DISCCART	600766.74	4134650.04	26.82	26.82
DISCCART	600771.49	4134644.34	26.80	26.80
DISCCART	600776.24	4134638.65	26.74	26.74
DISCCART	600780.99	4134632.95	26.69	26.69
DISCCART	600785.74	4134627.26	26.63	26.63
DISCCART	600790.49	4134621.56	26.57	26.57

DISCCART	600795.24	4134615.87	26.52	26.52
DISCCART	600799.99	4134610.18	26.58	26.58
DISCCART	600804.74	4134604.48	26.65	26.65
DISCCART	600809.49	4134598.79	26.72	26.72
DISCCART	600814.24	4134593.09	26.78	26.78
DISCCART	600818.99	4134587.40	26.82	26.82
DISCCART	600823.74	4134581.70	26.82	26.82
DISCCART	600828.49	4134576.01	26.82	26.82
DISCCART	600833.24	4134570.31	26.82	26.82
DISCCART	600837.99	4134564.62	26.82	26.82
DISCCART	600842.74	4134558.93	26.82	26.82
DISCCART	600686.11	4134785.32	26.12	26.12
DISCCART	600680.33	4134789.90	26.05	26.05
DISCCART	600674.55	4134794.48	25.95	25.95
DISCCART	600668.76	4134799.05	25.93	25.93
DISCCART	600662.98	4134803.63	25.98	25.98
DISCCART	600657.19	4134808.21	26.03	26.03
DISCCART	600651.41	4134812.79	26.08	26.08
DISCCART	600645.63	4134817.37	26.17	26.17
DISCCART	600639.84	4134821.95	26.28	26.28
DISCCART	600634.06	4134826.53	26.41	26.41
DISCCART	600628.27	4134831.11	26.42	26.42
DISCCART	600622.49	4134835.69	26.44	26.44
DISCCART	600616.71	4134840.26	26.51	26.51
DISCCART	600691.90	4134780.74	26.18	26.18
DISCCART	600696.65	4134775.05	26.25	26.25
DISCCART	600701.40	4134769.35	26.29	26.29
DISCCART	600706.15	4134763.66	26.28	26.28
DISCCART	600710.90	4134757.96	26.24	26.24
DISCCART	600715.65	4134752.27	26.21	26.21
DISCCART	600720.40	4134746.57	26.21	26.21
DISCCART	600725.15	4134740.88	26.21	26.21
DISCCART	600729.90	4134735.18	26.24	26.24
DISCCART	600734.65	4134729.49	26.35	26.35
DISCCART	600739.40	4134723.80	26.47	26.47
DISCCART	600744.15	4134718.10	26.58	26.58
DISCCART	600748.90	4134712.41	26.65	26.65
DISCCART	600753.65	4134706.71	26.71	26.71
DISCCART	600758.40	4134701.02	26.70	26.70
DISCCART	600763.15	4134695.32	26.69	26.69
DISCCART	600767.90	4134689.63	26.71	26.71
DISCCART	600772.65	4134683.93	26.75	26.75
DISCCART	600777.40	4134678.24	26.81	26.81
DISCCART	600782.15	4134672.55	26.82	26.82
DISCCART	600786.90	4134666.85	26.82	26.82
DISCCART	600791.65	4134661.16	26.82	26.82
DISCCART	600796.40	4134655.46	26.82	26.82
DISCCART	600801.15	4134649.77	26.82	26.82
DISCCART	600805.90	4134644.07	26.80	26.80
DISCCART	600810.65	4134638.38	26.76	26.76
DISCCART	600815.40	4134632.68	26.74	26.74
DISCCART	600820.15	4134626.99	26.74	26.74
DISCCART	600824.90	4134621.30	26.75	26.75
DISCCART	600829.65	4134615.60	26.79	26.79
DISCCART	600834.40	4134609.91	26.82	26.82
DISCCART	600839.15	4134604.21	26.82	26.82
DISCCART	600843.90	4134598.52	26.82	26.82
DISCCART	600848.65	4134592.82	26.82	26.82
DISCCART	600853.40	4134587.13	26.82	26.82
DISCCART	600858.15	4134581.43	26.82	26.82
DISCCART	600862.90	4134575.74	26.82	26.82
DISCCART	600706.47	4134801.98	25.96	25.96
DISCCART	600700.88	4134806.40	26.01	26.01
DISCCART	600695.29	4134810.82	26.05	26.05

DISCCART	600689.71	4134815.25	26.10	26.10
DISCCART	600684.12	4134819.67	26.14	26.14
DISCCART	600678.53	4134824.09	26.19	26.19
DISCCART	600672.95	4134828.51	26.19	26.19
DISCCART	600667.36	4134832.94	26.15	26.15
DISCCART	600661.77	4134837.36	26.10	26.10
DISCCART	600656.18	4134841.78	26.06	26.06
DISCCART	600650.60	4134846.21	26.04	26.04
DISCCART	600645.01	4134850.63	26.05	26.05
DISCCART	600639.42	4134855.05	26.06	26.06
DISCCART	600633.84	4134859.48	26.10	26.10
DISCCART	600628.25	4134863.90	26.16	26.16
DISCCART	600712.06	4134797.55	25.92	25.92
DISCCART	600716.81	4134791.86	25.95	25.95
DISCCART	600721.56	4134786.17	26.01	26.01
DISCCART	600726.31	4134780.47	26.07	26.07
DISCCART	600731.06	4134774.78	26.13	26.13
DISCCART	600735.81	4134769.08	26.19	26.19
DISCCART	600740.56	4134763.39	26.21	26.21
DISCCART	600745.31	4134757.69	26.21	26.21
DISCCART	600750.06	4134752.00	26.21	26.21
DISCCART	600754.81	4134746.30	26.21	26.21
DISCCART	600759.56	4134740.61	26.21	26.21
DISCCART	600764.31	4134734.92	26.23	26.23
DISCCART	600769.06	4134729.22	26.30	26.30
DISCCART	600773.81	4134723.53	26.35	26.35
DISCCART	600778.56	4134717.83	26.44	26.44
DISCCART	600783.31	4134712.14	26.54	26.54
DISCCART	600788.06	4134706.44	26.67	26.67
DISCCART	600792.81	4134700.75	26.74	26.74
DISCCART	600797.56	4134695.05	26.79	26.79
DISCCART	600802.31	4134689.36	26.82	26.82
DISCCART	600807.06	4134683.67	26.85	26.85
DISCCART	600811.81	4134677.97	26.91	26.91
DISCCART	600816.56	4134672.28	26.94	26.94
DISCCART	600821.31	4134666.58	26.95	26.95
DISCCART	600826.06	4134660.89	26.93	26.93
DISCCART	600830.81	4134655.19	26.90	26.90
DISCCART	600835.56	4134649.50	26.85	26.85
DISCCART	600840.31	4134643.80	26.82	26.82
DISCCART	600845.06	4134638.11	26.82	26.82
DISCCART	600849.81	4134632.42	26.82	26.82
DISCCART	600854.56	4134626.72	26.82	26.82
DISCCART	600859.31	4134621.03	26.82	26.82
DISCCART	600864.06	4134615.33	26.82	26.82
DISCCART	600868.81	4134609.64	26.82	26.82
DISCCART	600873.56	4134603.94	26.82	26.82
DISCCART	600878.31	4134598.25	26.82	26.82
DISCCART	600883.06	4134592.55	26.82	26.82
DISCCART	600726.46	4134818.92	26.14	26.14
DISCCART	600720.71	4134823.48	26.18	26.18
DISCCART	600714.95	4134828.03	26.20	26.20
DISCCART	600709.20	4134832.59	26.15	26.15
DISCCART	600703.45	4134837.14	26.10	26.10
DISCCART	600697.69	4134841.70	26.06	26.06
DISCCART	600691.94	4134846.25	26.01	26.01
DISCCART	600686.18	4134850.81	25.97	25.97
DISCCART	600680.43	4134855.36	25.92	25.92
DISCCART	600674.68	4134859.92	25.88	25.88
DISCCART	600668.92	4134864.47	25.87	25.87
DISCCART	600663.17	4134869.03	25.87	25.87
DISCCART	600657.42	4134873.58	25.88	25.88
DISCCART	600651.66	4134878.14	25.92	25.92
DISCCART	600645.91	4134882.69	25.98	25.98

DISCCART	600640.15	4134887.25	26.04	26.04
DISCCART	600732.21	4134814.37	26.09	26.09
DISCCART	600736.96	4134808.67	26.03	26.03
DISCCART	600741.71	4134802.98	25.97	25.97
DISCCART	600746.46	4134797.29	25.92	25.92
DISCCART	600751.21	4134791.59	25.96	25.96
DISCCART	600755.96	4134785.90	26.02	26.02
DISCCART	600760.71	4134780.20	26.07	26.07
DISCCART	600765.46	4134774.51	26.13	26.13
DISCCART	600770.21	4134768.81	26.19	26.19
DISCCART	600774.96	4134763.12	26.23	26.23
DISCCART	600779.71	4134757.42	26.26	26.26
DISCCART	600784.46	4134751.73	26.27	26.27
DISCCART	600789.21	4134746.04	26.26	26.26
DISCCART	600793.96	4134740.34	26.24	26.24
DISCCART	600798.71	4134734.65	26.25	26.25
DISCCART	600803.46	4134728.95	26.37	26.37
DISCCART	600808.21	4134723.26	26.51	26.51
DISCCART	600812.96	4134717.56	26.63	26.63
DISCCART	600817.71	4134711.87	26.74	26.74
DISCCART	600822.46	4134706.17	26.82	26.82
DISCCART	600827.21	4134700.48	26.87	26.87
DISCCART	600831.96	4134694.79	26.94	26.94
DISCCART	600836.71	4134689.09	27.00	27.00
DISCCART	600841.46	4134683.40	27.06	27.06
DISCCART	600846.21	4134677.70	27.11	27.11
DISCCART	600850.96	4134672.01	27.08	27.08
DISCCART	600855.71	4134666.31	27.02	27.02
DISCCART	600860.46	4134660.62	26.97	26.97
DISCCART	600865.21	4134654.92	26.91	26.91
DISCCART	600869.96	4134649.23	26.85	26.85
DISCCART	600874.71	4134643.54	26.82	26.82
DISCCART	600879.46	4134637.84	26.82	26.82
DISCCART	600884.21	4134632.15	26.82	26.82
DISCCART	600888.96	4134626.45	26.82	26.82
DISCCART	600893.71	4134620.76	26.82	26.82
DISCCART	600898.46	4134615.06	26.82	26.82
DISCCART	600903.21	4134609.37	26.82	26.82
DISCCART	600760.53	4134452.73	26.99	26.99
DISCCART	600756.32	4134459.97	27.06	27.06
DISCCART	600752.11	4134467.20	27.13	27.13
DISCCART	600764.13	4134445.11	26.91	26.91
DISCCART	600773.87	4134457.80	27.05	27.05
DISCCART	600769.59	4134465.15	27.11	27.11
DISCCART	600765.32	4134472.50	27.19	27.19
DISCCART	600761.04	4134479.86	27.26	27.26
DISCCART	600777.51	4134450.13	27.03	27.03
DISCCART	600787.42	4134462.53	27.25	27.25
DISCCART	600783.48	4134469.29	27.25	27.25
DISCCART	600779.54	4134476.06	27.27	27.27
DISCCART	600775.61	4134482.83	27.30	27.30
DISCCART	600771.67	4134489.59	27.36	27.36
DISCCART	600790.89	4134455.14	27.26	27.26
DISCCART	600800.76	4134467.61	27.41	27.41
DISCCART	600796.75	4134474.50	27.38	27.38
DISCCART	600792.74	4134481.39	27.38	27.38
DISCCART	600788.73	4134488.28	27.39	27.39
DISCCART	600784.72	4134495.17	27.42	27.42
DISCCART	600804.26	4134460.16	27.43	27.43
DISCCART	600814.10	4134472.68	27.43	27.43
DISCCART	600810.03	4134479.67	27.43	27.43
DISCCART	600805.96	4134486.67	27.43	27.43
DISCCART	600801.89	4134493.67	27.43	27.43
DISCCART	600797.82	4134500.66	27.39	27.39

DISCCART	600793.74	4134507.66	27.32	27.32
DISCCART	600817.64	4134465.18	27.43	27.43
DISCCART	600827.45	4134477.74	27.43	27.43
DISCCART	600823.33	4134484.82	27.43	27.43
DISCCART	600819.20	4134491.91	27.43	27.43
DISCCART	600815.08	4134499.00	27.41	27.41
DISCCART	600810.95	4134506.09	27.33	27.33
DISCCART	600806.83	4134513.18	27.26	27.26
DISCCART	600831.01	4134470.19	27.43	27.43
DISCCART	600840.80	4134482.79	27.39	27.39
DISCCART	600836.63	4134489.96	27.40	27.40
DISCCART	600832.46	4134497.13	27.43	27.43
DISCCART	600828.29	4134504.29	27.35	27.35
DISCCART	600824.12	4134511.46	27.28	27.28
DISCCART	600819.95	4134518.63	27.21	27.21
DISCCART	600815.78	4134525.79	27.13	27.13
DISCCART	600844.39	4134475.21	27.40	27.40
DISCCART	600854.16	4134487.84	27.28	27.28
DISCCART	600849.95	4134495.08	27.27	27.27
DISCCART	600845.74	4134502.31	27.27	27.27
DISCCART	600841.53	4134509.55	27.25	27.25
DISCCART	600837.32	4134516.79	27.21	27.21
DISCCART	600833.11	4134524.02	27.15	27.15
DISCCART	600828.90	4134531.26	27.08	27.08
DISCCART	600857.77	4134480.22	27.32	27.32
DISCCART	600878.73	4134497.08	27.12	27.12
DISCCART	600874.49	4134504.36	27.10	27.10
DISCCART	600870.26	4134511.63	27.09	27.09
DISCCART	600866.03	4134518.91	27.11	27.11
DISCCART	600861.79	4134526.18	27.13	27.13
DISCCART	600857.56	4134533.46	27.06	27.06
DISCCART	600853.32	4134540.74	26.98	26.98
DISCCART	600849.09	4134548.01	26.91	26.91
DISCCART	600882.34	4134489.44	27.15	27.15
DISCCART	600903.30	4134506.31	27.06	27.06
DISCCART	600899.04	4134513.62	26.99	26.99
DISCCART	600894.79	4134520.93	26.89	26.89
DISCCART	600890.54	4134528.24	26.85	26.85
DISCCART	600886.29	4134535.55	26.87	26.87
DISCCART	600882.03	4134542.85	26.87	26.87
DISCCART	600877.78	4134550.16	26.86	26.86
DISCCART	600873.53	4134557.47	26.82	26.82
DISCCART	600869.28	4134564.78	26.82	26.82
DISCCART	600906.92	4134498.66	27.11	27.11
DISCCART	600927.87	4134515.54	27.13	27.13
DISCCART	600923.60	4134522.88	27.13	27.13
DISCCART	600919.33	4134530.21	27.05	27.05
DISCCART	600915.06	4134537.55	26.96	26.96
DISCCART	600910.80	4134544.88	26.89	26.89
DISCCART	600906.53	4134552.21	26.84	26.84
DISCCART	600902.26	4134559.55	26.82	26.82
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DISCCART	600893.73	4134574.22	26.82	26.82
DISCCART	600889.46	4134581.55	26.82	26.82
DISCCART	600931.50	4134507.88	27.13	27.13
DISCCART	600952.44	4134524.77	27.13	27.13
DISCCART	600948.16	4134532.13	27.12	27.12
DISCCART	600943.88	4134539.48	27.09	27.09
DISCCART	600939.60	4134546.84	27.03	27.03
DISCCART	600935.32	4134554.20	26.96	26.96
DISCCART	600931.04	4134561.55	26.89	26.89
DISCCART	600926.76	4134568.91	26.84	26.84
DISCCART	600922.48	4134576.27	26.82	26.82
DISCCART	600918.20	4134583.62	26.82	26.82

DISCCART	600913.92	4134590.98	26.82	26.82
DISCCART	600909.63	4134598.33	26.82	26.82
DISCCART	600956.08	4134517.09	27.13	27.13
DISCCART	600781.09	4134434.66	26.98	26.98
DISCCART	600797.50	4134422.93	27.21	27.21
DISCCART	600795.46	4134434.22	27.26	27.26
DISCCART	600793.41	4134445.50	27.26	27.26
DISCCART	600811.83	4134422.72	27.33	27.33
DISCCART	600809.80	4134433.87	27.41	27.41
DISCCART	600807.78	4134445.01	27.43	27.43
DISCCART	600828.14	4134411.52	27.39	27.39
DISCCART	600826.14	4134422.55	27.40	27.40
DISCCART	600824.14	4134433.59	27.42	27.42
DISCCART	600822.14	4134444.62	27.43	27.43
DISCCART	600820.14	4134455.66	27.43	27.43
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DISCCART	600834.50	4134455.25	27.43	27.43
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DISCCART	600856.73	4134411.43	27.43	27.43
DISCCART	600854.76	4134422.30	27.43	27.43
DISCCART	600852.79	4134433.17	27.43	27.43
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DISCCART	600897.22	4134411.67	27.43	27.43
DISCCART	600895.16	4134423.02	27.43	27.43
DISCCART	600893.11	4134434.37	27.43	27.43
DISCCART	600891.05	4134445.72	27.34	27.34
DISCCART	600888.99	4134457.07	27.25	27.25
DISCCART	600886.93	4134468.42	27.19	27.19
DISCCART	600884.87	4134479.77	27.17	27.17
DISCCART	600898.25	4134400.00	27.43	27.43
DISCCART	600923.50	4134411.54	27.43	27.43
DISCCART	600921.49	4134422.62	27.43	27.43
DISCCART	600919.48	4134433.71	27.43	27.43
DISCCART	600917.47	4134444.79	27.35	27.35
DISCCART	600915.46	4134455.87	27.23	27.23
DISCCART	600913.45	4134466.95	27.13	27.13
DISCCART	600911.44	4134478.04	27.13	27.13
DISCCART	600909.43	4134489.12	27.13	27.13
DISCCART	600924.50	4134400.00	27.43	27.43
DISCCART	600949.71	4134411.76	27.43	27.43
DISCCART	600947.62	4134423.27	27.43	27.43
DISCCART	600945.53	4134434.79	27.43	27.43
DISCCART	600943.44	4134446.30	27.40	27.40
DISCCART	600941.35	4134457.82	27.35	27.35
DISCCART	600939.27	4134469.33	27.27	27.27
DISCCART	600937.18	4134480.85	27.20	27.20
DISCCART	600935.09	4134492.36	27.14	27.14
DISCCART	600950.75	4134400.00	27.43	27.43
DISCCART	600975.98	4134411.64	27.43	27.43
DISCCART	600973.93	4134422.91	27.43	27.43
DISCCART	600971.89	4134434.18	27.43	27.43

DISCCART	600969.85	4134445.46	27.43	27.43
DISCCART	600967.80	4134456.73	27.43	27.43
DISCCART	600965.76	4134468.00	27.42	27.42
DISCCART	600963.71	4134479.27	27.30	27.30
DISCCART	600961.67	4134490.55	27.19	27.19
DISCCART	600959.62	4134501.82	27.13	27.13
DISCCART	600977.00	4134400.00	27.43	27.43
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DISCCART	600893.37	4134377.03	27.43	27.43
DISCCART	600895.32	4134386.22	27.43	27.43
DISCCART	600917.58	4134367.37	27.43	27.43
DISCCART	600919.55	4134376.69	27.43	27.43
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DISCCART	600749.25	4134234.05	27.49	27.49
DISCCART	600743.71	4134229.67	27.46	27.46
DISCCART	600738.18	4134225.28	27.37	27.37
DISCCART	600732.64	4134220.90	27.27	27.27
DISCCART	600727.10	4134216.52	27.17	27.17
DISCCART	600721.56	4134212.13	27.07	27.07
DISCCART	600716.02	4134207.75	26.97	26.97
DISCCART	600710.48	4134203.36	26.89	26.89
DISCCART	600704.94	4134198.98	26.84	26.84
DISCCART	600699.41	4134194.59	26.82	26.82
DISCCART	600758.12	4134222.85	27.40	27.40
DISCCART	600752.58	4134218.47	27.35	27.35
DISCCART	600747.04	4134214.08	27.31	27.31
DISCCART	600741.50	4134209.70	27.24	27.24
DISCCART	600735.97	4134205.31	27.14	27.14
DISCCART	600730.43	4134200.93	27.04	27.04
DISCCART	600724.89	4134196.55	26.94	26.94
DISCCART	600719.35	4134192.16	26.88	26.88
DISCCART	600713.81	4134187.78	26.83	26.83
DISCCART	600708.27	4134183.39	26.82	26.82
DISCCART	600766.99	4134211.65	27.28	27.28
DISCCART	600761.45	4134207.27	27.24	27.24
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DISCCART	600750.37	4134198.50	27.15	27.15
DISCCART	600744.83	4134194.11	27.13	27.13
DISCCART	600739.29	4134189.73	27.09	27.09
DISCCART	600733.76	4134185.34	27.03	27.03
DISCCART	600728.22	4134180.96	26.98	26.98
DISCCART	600722.68	4134176.58	26.92	26.92
DISCCART	600717.14	4134172.19	26.86	26.86
DISCCART	600777.74	4134186.69	27.16	27.16
DISCCART	600772.20	4134182.30	27.13	27.13
DISCCART	600766.66	4134177.92	27.13	27.13
DISCCART	600761.13	4134173.53	27.13	27.13
DISCCART	600755.59	4134169.15	27.13	27.13
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DISCCART	600744.51	4134160.38	27.13	27.13
DISCCART	600738.97	4134155.99	27.10	27.10
DISCCART	600733.43	4134151.61	27.08	27.08
DISCCART	600794.04	4134166.11	27.13	27.13
DISCCART	600788.50	4134161.72	27.13	27.13
DISCCART	600782.96	4134157.34	27.13	27.13
DISCCART	600777.42	4134152.95	27.13	27.13
DISCCART	600771.88	4134148.57	27.13	27.13
DISCCART	600766.34	4134144.18	27.13	27.13
DISCCART	600821.41	4134154.29	27.24	27.24
DISCCART	600815.87	4134149.91	27.18	27.18
DISCCART	600810.33	4134145.52	27.15	27.15
DISCCART	600804.79	4134141.14	27.13	27.13
DISCCART	600799.25	4134136.75	27.13	27.13

DISCCART	600793.71	4134132.37	27.13	27.13
DISCCART	600788.17	4134127.99	27.13	27.13
DISCCART	600782.64	4134123.60	27.13	27.13
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DISCCART	600771.56	4134114.83	27.13	27.13
DISCCART	600766.02	4134110.45	27.13	27.13
DISCCART	600854.31	4134146.87	27.37	27.37
DISCCART	600848.78	4134142.48	27.31	27.31
DISCCART	600843.24	4134138.10	27.24	27.24
DISCCART	600837.70	4134133.71	27.17	27.17
DISCCART	600832.16	4134129.33	27.13	27.13
DISCCART	600826.62	4134124.94	27.13	27.13
DISCCART	600821.08	4134120.56	27.13	27.13
DISCCART	600815.55	4134116.17	27.13	27.13
DISCCART	600810.01	4134111.79	27.13	27.13
DISCCART	600804.47	4134107.40	27.13	27.13
DISCCART	600798.93	4134103.02	27.13	27.13
DISCCART	600793.39	4134098.64	27.13	27.13
DISCCART	600787.85	4134094.25	27.13	27.13
DISCCART	600782.31	4134089.87	27.13	27.13
DISCCART	600689.04	4134187.28	26.82	26.82
DISCCART	600677.86	4134179.88	26.82	26.82
DISCCART	600671.86	4134176.13	26.82	26.82
DISCCART	600665.86	4134172.38	26.82	26.82
DISCCART	600659.86	4134168.63	26.82	26.82
DISCCART	600653.86	4134164.88	26.84	26.84
DISCCART	600647.86	4134161.13	26.88	26.88
DISCCART	600641.86	4134157.38	26.91	26.91
DISCCART	600697.04	4134175.47	26.82	26.82
DISCCART	600691.43	4134171.51	26.82	26.82
DISCCART	600685.43	4134167.76	26.82	26.82
DISCCART	600679.43	4134164.01	26.85	26.85
DISCCART	600673.43	4134160.26	26.89	26.89
DISCCART	600667.43	4134156.51	26.92	26.92
DISCCART	600661.43	4134152.76	26.96	26.96
DISCCART	600655.43	4134149.01	27.00	27.00
DISCCART	600649.43	4134145.26	27.04	27.04
DISCCART	600703.53	4134162.60	26.86	26.86
DISCCART	600693.00	4134155.65	26.93	26.93
DISCCART	600687.00	4134151.90	26.97	26.97
DISCCART	600681.00	4134148.15	27.01	27.01
DISCCART	600675.00	4134144.40	27.05	27.05
DISCCART	600669.00	4134140.65	27.08	27.08
DISCCART	600663.00	4134136.90	27.12	27.12
DISCCART	600657.00	4134133.15	27.13	27.13
DISCCART	600651.00	4134129.40	27.13	27.13
DISCCART	600718.04	4134140.76	27.09	27.09
DISCCART	600706.91	4134133.39	27.13	27.13
DISCCART	600700.91	4134129.64	27.13	27.13
DISCCART	600694.91	4134125.89	27.13	27.13
DISCCART	600688.91	4134122.14	27.13	27.13
DISCCART	600682.91	4134118.39	27.13	27.13
DISCCART	600676.91	4134114.64	27.13	27.13
DISCCART	600670.91	4134110.89	27.13	27.13
DISCCART	600664.91	4134107.14	27.13	27.13
DISCCART	600745.79	4134096.19	27.13	27.13
DISCCART	600755.91	4134103.32	27.13	27.13
DISCCART	600734.74	4134088.87	27.13	27.13
DISCCART	600728.74	4134085.12	27.13	27.13
DISCCART	600722.74	4134081.37	27.13	27.13
DISCCART	600716.74	4134077.62	27.13	27.13
DISCCART	600710.74	4134073.87	27.13	27.13
DISCCART	600704.74	4134070.12	27.13	27.13
DISCCART	600698.74	4134066.37	27.13	27.13

DISCCART	600692.74	4134062.62	27.13	27.13
DISCCART	600760.18	4134074.26	27.13	27.13
DISCCART	600771.25	4134082.06	27.13	27.13
DISCCART	600748.65	4134066.61	27.13	27.13
DISCCART	600742.65	4134062.86	27.13	27.13
DISCCART	600736.65	4134059.11	27.13	27.13
DISCCART	600730.65	4134055.36	27.13	27.13
DISCCART	600724.65	4134051.61	27.13	27.13
DISCCART	600718.65	4134047.86	27.13	27.13
DISCCART	600712.65	4134044.11	27.13	27.13
DISCCART	600706.65	4134040.36	27.14	27.14
DISCCART	600641.60	4134120.86	27.19	27.19
DISCCART	600657.67	4134100.10	27.18	27.18
DISCCART	600684.64	4134054.59	27.13	27.13
DISCCART	600700.71	4134033.83	27.18	27.18
DISCCART	600773.98	4134438.26	26.86	26.86
DISCCART	600592.69	4134142.61	27.07	27.07
DISCCART	600582.69	4134135.41	27.13	27.13
DISCCART	600596.87	4134136.82	27.12	27.12
DISCCART	600586.87	4134129.62	27.13	27.13
DISCCART	600601.04	4134131.02	27.14	27.14
DISCCART	600591.04	4134123.82	27.13	27.13
DISCCART	600605.22	4134125.22	27.17	27.17
DISCCART	600595.22	4134118.02	27.14	27.14
DISCCART	600609.39	4134119.43	27.22	27.22
DISCCART	600599.39	4134112.23	27.18	27.18
DISCCART	600613.56	4134113.63	27.28	27.28
DISCCART	600603.56	4134106.43	27.23	27.23
DISCCART	600622.74	4134111.43	27.38	27.38
DISCCART	600612.74	4134104.23	27.33	27.33
DISCCART	600602.74	4134097.03	27.29	27.29
DISCCART	600661.93	4134161.89	26.87	26.87
DISCCART	600626.91	4134105.64	27.40	27.40
DISCCART	600616.91	4134098.44	27.39	27.39
DISCCART	600606.91	4134091.24	27.35	27.35
DISCCART	600663.03	4134144.54	27.05	27.05
DISCCART	600631.08	4134099.84	27.37	27.37
DISCCART	600621.08	4134092.64	27.42	27.42
DISCCART	600611.08	4134085.44	27.40	27.40
DISCCART	600650.21	4134112.82	27.15	27.15
DISCCART	600656.84	4134122.94	27.13	27.13
DISCCART	600625.26	4134086.84	27.42	27.42
DISCCART	600615.26	4134079.64	27.42	27.42
DISCCART	600654.25	4134106.83	27.13	27.13
DISCCART	600660.80	4134116.82	27.13	27.13
DISCCART	600667.35	4134126.81	27.13	27.13
DISCCART	600682.81	4134157.68	26.91	26.91
DISCCART	600678.27	4134187.20	26.82	26.82
DISCCART	600629.43	4134081.05	27.42	27.42
DISCCART	600619.43	4134073.85	27.43	27.43
DISCCART	600665.61	4134099.82	27.17	27.17
DISCCART	600684.85	4134129.18	27.13	27.13
DISCCART	600691.27	4134138.96	27.10	27.10
DISCCART	600690.57	4134195.01	26.82	26.82
DISCCART	600637.78	4134069.45	27.43	27.43
DISCCART	600627.78	4134062.25	27.43	27.43
DISCCART	600677.96	4134094.35	27.15	27.15
DISCCART	600684.70	4134104.62	27.13	27.13
DISCCART	600691.44	4134114.90	27.13	27.13
DISCCART	600708.28	4134140.58	27.09	27.09
DISCCART	600710.71	4134151.79	26.97	26.97
DISCCART	600707.91	4134170.00	26.82	26.82
DISCCART	600702.30	4134206.43	26.89	26.89
DISCCART	600702.49	4134107.43	27.13	27.13

DISCCART	600709.09	4134117.50	27.13	27.13
DISCCART	600715.70	4134127.58	27.13	27.13
DISCCART	600724.69	4134148.64	27.05	27.05
DISCCART	600722.86	4134160.54	26.96	26.96
DISCCART	600654.47	4134046.27	27.42	27.42
DISCCART	600644.47	4134039.07	27.43	27.43
DISCCART	600697.32	4134075.22	27.13	27.13
DISCCART	600733.07	4134129.74	27.13	27.13
DISCCART	600738.66	4134145.51	27.11	27.11
DISCCART	600735.96	4134163.09	27.06	27.06
DISCCART	600734.16	4134174.81	27.04	27.04
DISCCART	600731.45	4134192.38	27.01	27.01
DISCCART	600667.82	4134038.27	27.32	27.32
DISCCART	600657.82	4134031.07	27.41	27.41
DISCCART	600689.53	4134039.02	27.19	27.19
DISCCART	600696.27	4134049.29	27.13	27.13
DISCCART	600703.01	4134059.57	27.13	27.13
DISCCART	600723.21	4134090.39	27.13	27.13
DISCCART	600752.59	4134142.70	27.13	27.13
DISCCART	600750.72	4134154.84	27.13	27.13
DISCCART	600747.92	4134173.05	27.13	27.13
DISCCART	600746.05	4134185.20	27.13	27.13
DISCCART	600671.17	4134023.08	27.39	27.39
DISCCART	600661.17	4134015.88	27.43	27.43
DISCCART	600697.83	4134027.35	27.23	27.23
DISCCART	600717.73	4134057.70	27.13	27.13
DISCCART	600724.37	4134067.82	27.13	27.13
DISCCART	600731.00	4134077.94	27.13	27.13
DISCCART	600747.58	4134103.24	27.13	27.13
DISCCART	600754.22	4134113.36	27.13	27.13
DISCCART	600764.73	4134151.53	27.13	27.13
DISCCART	600762.89	4134163.49	27.13	27.13
DISCCART	600760.13	4134181.43	27.13	27.13
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DISCCART	600669.51	4134004.29	27.43	27.43
DISCCART	600706.14	4134015.69	27.20	27.20
DISCCART	600712.68	4134025.68	27.13	27.13
DISCCART	600719.23	4134035.67	27.13	27.13
DISCCART	600742.15	4134070.63	27.13	27.13
DISCCART	600748.70	4134080.62	27.13	27.13
DISCCART	600755.25	4134090.61	27.13	27.13
DISCCART	600776.00	4134165.98	27.13	27.13
DISCCART	600771.46	4134195.49	27.13	27.13
DISCCART	600687.86	4133999.89	27.41	27.41
DISCCART	600677.86	4133992.69	27.43	27.43
DISCCART	600721.49	4133994.41	27.35	27.35
DISCCART	600728.08	4134004.46	27.25	27.25
DISCCART	600734.66	4134014.50	27.15	27.15
DISCCART	600741.25	4134024.55	27.13	27.13
DISCCART	600747.83	4134034.59	27.13	27.13
DISCCART	600754.42	4134044.64	27.13	27.13
DISCCART	600761.00	4134054.68	27.13	27.13
DISCCART	600767.59	4134064.72	27.13	27.13
DISCCART	600774.17	4134074.77	27.13	27.13
DISCCART	600797.22	4134109.93	27.13	27.13
DISCCART	600803.81	4134119.97	27.13	27.13
DISCCART	600806.18	4134130.93	27.13	27.13
DISCCART	600703.20	4133978.59	27.43	27.43
DISCCART	600693.20	4133971.39	27.43	27.43
DISCCART	600736.84	4133973.13	27.43	27.43
DISCCART	600743.46	4133983.22	27.43	27.43
DISCCART	600750.07	4133993.31	27.36	27.36

DISCCART	600756.69	4134003.40	27.26	27.26
DISCCART	600763.30	4134013.49	27.16	27.16
DISCCART	600769.92	4134023.58	27.13	27.13
DISCCART	600776.53	4134033.67	27.14	27.14
DISCCART	600783.14	4134043.76	27.14	27.14
DISCCART	600789.76	4134053.84	27.13	27.13
DISCCART	600796.37	4134063.93	27.13	27.13
DISCCART	600802.99	4134074.02	27.13	27.13
DISCCART	600809.60	4134084.11	27.13	27.13
DISCCART	600816.21	4134094.20	27.13	27.13
DISCCART	600822.83	4134104.29	27.13	27.13
DISCCART	600829.44	4134114.38	27.13	27.13
DISCCART	600830.00	4134137.31	27.13	27.13
DISCCART	600828.16	4134149.23	27.24	27.24
DISCCART	600708.54	4133950.09	27.43	27.43
DISCCART	600752.19	4133951.85	27.43	27.43
DISCCART	600758.83	4133961.97	27.43	27.43
DISCCART	600765.47	4133972.10	27.43	27.43
DISCCART	600772.11	4133982.22	27.43	27.43
DISCCART	600778.75	4133992.35	27.38	27.38
DISCCART	600785.38	4134002.47	27.34	27.34
DISCCART	600792.02	4134012.60	27.33	27.33
DISCCART	600798.66	4134022.72	27.33	27.33
DISCCART	600805.30	4134032.85	27.28	27.28
DISCCART	600811.94	4134042.98	27.24	27.24
DISCCART	600818.57	4134053.10	27.25	27.25
DISCCART	600825.21	4134063.23	27.23	27.23
DISCCART	600831.85	4134073.35	27.16	27.16
DISCCART	600838.49	4134083.48	27.17	27.17
DISCCART	600845.13	4134093.60	27.18	27.18
DISCCART	600851.76	4134103.73	27.14	27.14
DISCCART	600857.48	4134119.84	27.24	27.24
DISCCART	600855.64	4134131.80	27.32	27.32
DISCCART	600723.87	4133928.78	27.43	27.43
DISCCART	600767.54	4133930.56	27.43	27.43
DISCCART	600774.20	4133940.72	27.43	27.43
DISCCART	600780.86	4133950.87	27.43	27.43
DISCCART	600787.52	4133961.03	27.43	27.43
DISCCART	600794.17	4133971.18	27.43	27.43
DISCCART	600800.83	4133981.34	27.43	27.43
DISCCART	600807.49	4133991.49	27.43	27.43
DISCCART	600814.15	4134001.65	27.43	27.43
DISCCART	600820.80	4134011.80	27.43	27.43
DISCCART	600827.46	4134021.96	27.42	27.42
DISCCART	600834.12	4134032.12	27.43	27.43
DISCCART	600840.78	4134042.27	27.43	27.43
DISCCART	600847.44	4134052.43	27.40	27.40
DISCCART	600854.09	4134062.58	27.38	27.38
DISCCART	600860.75	4134072.74	27.41	27.41
DISCCART	600867.41	4134082.89	27.38	27.38
DISCCART	600874.07	4134093.05	27.32	27.32
DISCCART	600880.73	4134103.20	27.32	27.32
DISCCART	600883.13	4134114.28	27.36	27.36
DISCCART	600881.28	4134126.29	27.39	27.39
DISCCART	600739.21	4133907.48	27.43	27.43
DISCCART	600570.85	4134130.11	27.13	27.13
DISCCART	600562.60	4134121.21	27.13	27.13
DISCCART	600575.45	4134124.42	27.13	27.13
DISCCART	600561.38	4134114.07	27.15	27.15
DISCCART	600573.71	4134117.15	27.13	27.13
DISCCART	600547.81	4134109.11	27.28	27.28
DISCCART	600568.64	4134109.04	27.13	27.13
DISCCART	600583.02	4134112.63	27.13	27.13
DISCCART	600534.86	4134108.81	27.42	27.42

DISCCART	600541.01	4134105.33	27.35	27.35
DISCCART	600547.15	4134101.86	27.29	27.29
DISCCART	600560.14	4134100.09	27.16	27.16
DISCCART	600566.99	4134101.79	27.13	27.13
DISCCART	600573.84	4134103.50	27.14	27.14
DISCCART	600580.69	4134105.21	27.13	27.13
DISCCART	600587.54	4134106.92	27.13	27.13
DISCCART	600507.15	4134130.81	27.43	27.43
DISCCART	600502.50	4134136.59	27.44	27.44
DISCCART	600497.86	4134142.38	27.49	27.49
DISCCART	600493.22	4134148.16	27.53	27.53
DISCCART	600488.58	4134153.95	27.58	27.58
DISCCART	600483.93	4134159.74	27.63	27.63
DISCCART	600479.29	4134165.52	27.67	27.67
DISCCART	600474.65	4134171.31	27.67	27.67
DISCCART	600470.00	4134177.09	27.61	27.61
DISCCART	600465.36	4134182.88	27.53	27.53
DISCCART	600460.72	4134188.66	27.48	27.48
DISCCART	600456.08	4134194.45	27.44	27.44
DISCCART	600451.43	4134200.24	27.43	27.43
DISCCART	600528.63	4134104.71	27.43	27.43
DISCCART	600534.56	4134101.36	27.42	27.42
DISCCART	600546.41	4134094.65	27.30	27.30
DISCCART	600558.94	4134092.95	27.17	27.17
DISCCART	600572.14	4134096.24	27.16	27.16
DISCCART	600585.35	4134099.54	27.18	27.18
DISCCART	600501.58	4134126.34	27.45	27.45
DISCCART	600496.93	4134132.12	27.50	27.50
DISCCART	600492.29	4134137.91	27.54	27.54
DISCCART	600487.65	4134143.69	27.59	27.59
DISCCART	600483.00	4134149.48	27.64	27.64
DISCCART	600478.36	4134155.27	27.68	27.68
DISCCART	600473.72	4134161.05	27.73	27.73
DISCCART	600469.08	4134166.84	27.69	27.69
DISCCART	600464.43	4134172.62	27.60	27.60
DISCCART	600459.79	4134178.41	27.53	27.53
DISCCART	600455.15	4134184.19	27.48	27.48
DISCCART	600450.50	4134189.98	27.45	27.45
DISCCART	600445.86	4134195.77	27.43	27.43
DISCCART	600522.57	4134100.52	27.43	27.43
DISCCART	600534.09	4134094.00	27.42	27.42
DISCCART	600545.61	4134087.48	27.31	27.31
DISCCART	600557.79	4134085.83	27.18	27.18
DISCCART	600570.63	4134089.03	27.17	27.17
DISCCART	600583.47	4134092.23	27.22	27.22
DISCCART	600496.01	4134121.87	27.50	27.50
DISCCART	600491.36	4134127.65	27.55	27.55
DISCCART	600486.72	4134133.44	27.60	27.60
DISCCART	600482.08	4134139.22	27.65	27.65
DISCCART	600477.43	4134145.01	27.69	27.69
DISCCART	600472.79	4134150.80	27.73	27.73
DISCCART	600468.15	4134156.58	27.70	27.70
DISCCART	600463.51	4134162.37	27.65	27.65
DISCCART	600458.86	4134168.15	27.58	27.58
DISCCART	600454.22	4134173.94	27.52	27.52
DISCCART	600449.58	4134179.72	27.47	27.47
DISCCART	600444.93	4134185.51	27.44	27.44
DISCCART	600440.29	4134191.30	27.43	27.43
DISCCART	600512.39	4134098.66	27.43	27.43
DISCCART	600525.06	4134091.49	27.43	27.43
DISCCART	600537.73	4134084.32	27.39	27.39
DISCCART	600544.07	4134080.73	27.32	27.32
DISCCART	600564.53	4134080.67	27.14	27.14
DISCCART	600578.66	4134084.19	27.24	27.24

DISCCART	600592.78	4134087.71	27.32	27.32
DISCCART	600599.85	4134089.48	27.33	27.33
DISCCART	600490.43	4134117.40	27.56	27.56
DISCCART	600485.79	4134123.18	27.61	27.61
DISCCART	600481.15	4134128.97	27.66	27.66
DISCCART	600476.51	4134134.75	27.70	27.70
DISCCART	600471.86	4134140.54	27.73	27.73
DISCCART	600467.22	4134146.32	27.72	27.72
DISCCART	600462.58	4134152.11	27.68	27.68
DISCCART	600457.93	4134157.90	27.63	27.63
DISCCART	600453.29	4134163.68	27.55	27.55
DISCCART	600448.65	4134169.47	27.48	27.48
DISCCART	600444.01	4134175.25	27.44	27.44
DISCCART	600439.36	4134181.04	27.43	27.43
DISCCART	600434.72	4134186.82	27.43	27.43
DISCCART	600506.44	4134094.40	27.43	27.43
DISCCART	600512.58	4134090.93	27.43	27.43
DISCCART	600518.72	4134087.45	27.43	27.43
DISCCART	600524.87	4134083.97	27.43	27.43
DISCCART	600531.01	4134080.50	27.43	27.43
DISCCART	600537.15	4134077.02	27.39	27.39
DISCCART	600543.30	4134073.54	27.33	27.33
DISCCART	600556.29	4134071.78	27.20	27.20
DISCCART	600563.14	4134073.48	27.13	27.13
DISCCART	600569.99	4134075.19	27.20	27.20
DISCCART	600576.84	4134076.90	27.26	27.26
DISCCART	600583.69	4134078.61	27.32	27.32
DISCCART	600590.54	4134080.32	27.37	27.37
DISCCART	600597.39	4134082.02	27.38	27.38
DISCCART	600604.23	4134083.73	27.39	27.39
DISCCART	600484.86	4134112.93	27.62	27.62
DISCCART	600480.22	4134118.71	27.67	27.67
DISCCART	600475.58	4134124.50	27.71	27.71
DISCCART	600470.93	4134130.28	27.74	27.74
DISCCART	600466.29	4134136.07	27.74	27.74
DISCCART	600461.65	4134141.85	27.72	27.72
DISCCART	600457.01	4134147.64	27.68	27.68
DISCCART	600452.36	4134153.43	27.62	27.62
DISCCART	600447.72	4134159.21	27.54	27.54
DISCCART	600443.08	4134165.00	27.45	27.45
DISCCART	600438.43	4134170.78	27.43	27.43
DISCCART	600433.79	4134176.57	27.43	27.43
DISCCART	600429.15	4134182.35	27.43	27.43
DISCCART	600500.56	4134090.11	27.44	27.44
DISCCART	600512.54	4134083.33	27.43	27.43
DISCCART	600524.52	4134076.55	27.43	27.43
DISCCART	600536.50	4134069.77	27.40	27.40
DISCCART	600555.16	4134064.66	27.21	27.21
DISCCART	600568.51	4134067.99	27.18	27.18
DISCCART	600575.19	4134069.65	27.25	27.25
DISCCART	600588.55	4134072.98	27.38	27.38
DISCCART	600595.22	4134074.65	27.43	27.43
DISCCART	600608.58	4134077.98	27.42	27.42
DISCCART	600479.29	4134108.46	27.67	27.67
DISCCART	600474.65	4134114.24	27.72	27.72
DISCCART	600470.01	4134120.03	27.74	27.74
DISCCART	600465.36	4134125.81	27.74	27.74
DISCCART	600460.72	4134131.60	27.74	27.74
DISCCART	600456.08	4134137.38	27.73	27.73
DISCCART	600451.44	4134143.17	27.69	27.69
DISCCART	600446.79	4134148.96	27.63	27.63
DISCCART	600442.15	4134154.74	27.55	27.55
DISCCART	600437.51	4134160.53	27.48	27.48
DISCCART	600432.86	4134166.31	27.43	27.43

DISCCART	600428.22	4134172.10	27.43	27.43
DISCCART	600423.58	4134177.88	27.43	27.43
DISCCART	600502.36	4134081.46	27.43	27.43
DISCCART	600515.26	4134074.16	27.43	27.43
DISCCART	600528.16	4134066.86	27.43	27.43
DISCCART	600541.06	4134059.56	27.35	27.35
DISCCART	600554.71	4134057.71	27.21	27.21
DISCCART	600561.90	4134059.50	27.14	27.14
DISCCART	600583.47	4134064.88	27.33	27.33
DISCCART	600605.05	4134070.26	27.43	27.43
DISCCART	600612.24	4134072.05	27.43	27.43
DISCCART	600473.72	4134103.98	27.71	27.71
DISCCART	600469.08	4134109.77	27.74	27.74
DISCCART	600464.44	4134115.56	27.74	27.74
DISCCART	600459.79	4134121.34	27.74	27.74
DISCCART	600455.15	4134127.13	27.74	27.74
DISCCART	600450.51	4134132.91	27.74	27.74
DISCCART	600445.86	4134138.70	27.72	27.72
DISCCART	600441.22	4134144.48	27.64	27.64
DISCCART	600436.58	4134150.27	27.56	27.56
DISCCART	600431.94	4134156.06	27.50	27.50
DISCCART	600427.29	4134161.84	27.45	27.45
DISCCART	600422.65	4134167.63	27.43	27.43
DISCCART	600418.01	4134173.41	27.43	27.43
DISCCART	600484.15	4134076.52	27.43	27.43
DISCCART	600490.30	4134073.04	27.43	27.43
DISCCART	600496.44	4134069.57	27.43	27.43
DISCCART	600502.58	4134066.09	27.43	27.43
DISCCART	600508.73	4134062.62	27.43	27.43
DISCCART	600514.87	4134059.14	27.43	27.43
DISCCART	600521.01	4134055.66	27.43	27.43
DISCCART	600527.16	4134052.19	27.43	27.43
DISCCART	600533.30	4134048.71	27.43	27.43
DISCCART	600539.44	4134045.23	27.37	27.37
DISCCART	600552.44	4134043.47	27.24	27.24
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DISCCART	600566.14	4134046.88	27.16	27.16
DISCCART	600572.98	4134048.59	27.23	27.23
DISCCART	600579.83	4134050.30	27.30	27.30
DISCCART	600586.68	4134052.01	27.37	27.37
DISCCART	600593.53	4134053.71	27.43	27.43
DISCCART	600600.38	4134055.42	27.43	27.43
DISCCART	600607.23	4134057.13	27.43	27.43
DISCCART	600614.08	4134058.84	27.43	27.43
DISCCART	600620.93	4134060.55	27.43	27.43
DISCCART	600462.58	4134095.04	27.62	27.62
DISCCART	600457.94	4134100.83	27.68	27.68
DISCCART	600453.29	4134106.62	27.74	27.74
DISCCART	600448.65	4134112.40	27.74	27.74
DISCCART	600444.01	4134118.19	27.74	27.74
DISCCART	600439.37	4134123.97	27.70	27.70
DISCCART	600434.72	4134129.76	27.65	27.65
DISCCART	600430.08	4134135.54	27.60	27.60
DISCCART	600425.44	4134141.33	27.54	27.54
DISCCART	600420.79	4134147.12	27.48	27.48
DISCCART	600416.15	4134152.90	27.45	27.45
DISCCART	600411.51	4134158.69	27.43	27.43
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DISCCART	600524.52	4134038.43	27.43	27.43
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DISCCART	600537.28	4134031.21	27.39	27.39
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DISCCART	600572.13	4133993.68	27.38	27.38
DISCCART	600578.98	4133995.38	27.39	27.39
DISCCART	600585.83	4133997.09	27.41	27.41
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DISCCART	600645.68	4133934.41	27.43	27.43
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DISCCART	600659.65	4133937.90	27.43	27.43
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DISCCART	600680.60	4133943.12	27.43	27.43
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DISCCART	600394.97	4133951.47	27.43	27.43
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DISCCART	600507.18	4133859.97	27.50	27.50
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DISCCART	600541.10	4133858.08	27.52	27.52
DISCCART	600548.17	4133859.84	27.50	27.50
DISCCART	600555.25	4133861.61	27.48	27.48
DISCCART	600562.32	4133863.37	27.46	27.46
DISCCART	600569.40	4133865.14	27.51	27.51
DISCCART	600583.55	4133868.67	27.62	27.62
DISCCART	600590.63	4133870.43	27.67	27.67
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DISCCART	600604.78	4133873.96	27.66	27.66
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DISCCART	600626.00	4133879.25	27.61	27.61
DISCCART	600633.08	4133881.02	27.59	27.59
DISCCART	600640.15	4133882.78	27.57	27.57
DISCCART	600647.23	4133884.54	27.55	27.55
DISCCART	600654.31	4133886.31	27.54	27.54
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DISCCART	600418.23	4134223.85	27.43	27.43
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DISCCART	600404.20	4134225.86	27.43	27.43
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DISCCART	600379.29	4134296.01	27.33	27.33
DISCCART	600373.22	4134286.75	27.43	27.43
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DISCCART	600373.31	4134189.41	27.43	27.43
DISCCART	600376.13	4134178.70	27.43	27.43
DISCCART	600367.20	4134301.37	27.28	27.28
DISCCART	600361.36	4134292.46	27.37	27.37

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DISCCART	600342.26	4134256.13	27.32	27.32
DISCCART	600344.97	4134245.83	27.38	27.38
DISCCART	600347.68	4134235.53	27.42	27.42
DISCCART	600353.11	4134214.92	27.43	27.43
DISCCART	600355.82	4134204.62	27.43	27.43
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DISCCART	600359.17	4134312.92	27.16	27.16
DISCCART	600353.28	4134303.95	27.25	27.25
DISCCART	600347.40	4134294.98	27.30	27.30
DISCCART	600341.52	4134286.01	27.31	27.31
DISCCART	600335.63	4134277.04	27.25	27.25
DISCCART	600329.75	4134268.07	27.19	27.19
DISCCART	600328.17	4134258.40	27.18	27.18
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DISCCART	600336.36	4134227.27	27.43	27.43
DISCCART	600347.28	4134185.77	27.43	27.43
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DISCCART	600355.47	4134154.65	27.43	27.43
DISCCART	600358.20	4134144.27	27.43	27.43
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DISCCART	600339.34	4134306.49	27.18	27.18
DISCCART	600333.42	4134297.47	27.19	27.19
DISCCART	600327.50	4134288.44	27.17	27.17
DISCCART	600321.58	4134279.42	27.13	27.13
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DISCCART	600316.83	4134250.23	27.18	27.18
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DISCCART	600344.29	4134145.86	27.43	27.43
DISCCART	600347.04	4134135.42	27.43	27.43
DISCCART	600343.23	4134336.21	27.06	27.06
DISCCART	600337.28	4134327.14	27.07	27.07
DISCCART	600331.33	4134318.07	27.12	27.12
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DISCCART	600319.43	4134299.93	27.11	27.11
DISCCART	600313.48	4134290.86	27.11	27.11
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DISCCART	600308.27	4134231.46	27.25	27.25
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DISCCART	600313.79	4134210.48	27.39	27.39
DISCCART	600322.07	4134179.01	27.43	27.43
DISCCART	600324.83	4134168.52	27.43	27.43
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DISCCART	600326.15	4134353.89	26.85	26.85
DISCCART	600320.21	4134344.83	26.84	26.84
DISCCART	600314.27	4134335.78	26.90	26.90
DISCCART	600308.33	4134326.73	26.92	26.92
DISCCART	600302.39	4134317.67	26.91	26.91
DISCCART	600296.45	4134308.62	26.93	26.93
DISCCART	600290.51	4134299.57	26.98	26.98

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DISCCART	600287.85	4134214.81	27.22	27.22
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DISCCART	600293.36	4134193.87	27.43	27.43
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DISCCART	600276.44	4134321.83	26.82	26.82
DISCCART	600270.51	4134312.79	26.83	26.83
DISCCART	600258.65	4134294.71	26.82	26.82
DISCCART	600252.72	4134285.67	26.83	26.83
DISCCART	600248.17	4134271.40	26.98	26.98
DISCCART	600250.92	4134260.94	27.08	27.08
DISCCART	600253.67	4134250.49	27.13	27.13
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DISCCART	600259.17	4134229.58	27.13	27.13
DISCCART	600261.92	4134219.12	27.13	27.13
DISCCART	600264.67	4134208.67	27.14	27.14
DISCCART	600267.43	4134198.21	27.17	27.17
DISCCART	600270.18	4134187.75	27.27	27.27
DISCCART	600272.93	4134177.30	27.36	27.36
DISCCART	600281.18	4134145.93	27.43	27.43
DISCCART	600283.93	4134135.48	27.43	27.43
DISCCART	600294.94	4134093.65	27.43	27.43
DISCCART	600293.69	4134391.85	26.67	26.67
DISCCART	600287.62	4134382.60	26.76	26.76
DISCCART	600281.56	4134373.35	26.82	26.82
DISCCART	600275.49	4134364.10	26.82	26.82
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DISCCART	600263.35	4134345.60	26.82	26.82
DISCCART	600257.29	4134336.35	26.82	26.82
DISCCART	600239.08	4134308.60	26.82	26.82
DISCCART	600233.02	4134299.35	26.82	26.82
DISCCART	600226.95	4134290.10	26.82	26.82
DISCCART	600222.29	4134275.50	26.93	26.93
DISCCART	600225.11	4134264.80	27.04	27.04
DISCCART	600227.92	4134254.11	27.13	27.13
DISCCART	600230.74	4134243.41	27.13	27.13
DISCCART	600233.55	4134232.71	27.13	27.13
DISCCART	600236.37	4134222.01	27.13	27.13
DISCCART	600239.18	4134211.31	27.13	27.13
DISCCART	600242.00	4134200.62	27.13	27.13
DISCCART	600244.81	4134189.92	27.19	27.19
DISCCART	600247.63	4134179.22	27.30	27.30
DISCCART	600258.89	4134136.43	27.43	27.43
DISCCART	600261.70	4134125.73	27.43	27.43
DISCCART	600264.52	4134115.03	27.43	27.43
DISCCART	600267.33	4134104.33	27.43	27.43
DISCCART	600270.15	4134093.63	27.43	27.43
DISCCART	600272.96	4134082.94	27.43	27.43

DISCCART	600275.78	4134072.24	27.43	27.43
DISCCART	600279.66	4134414.18	26.52	26.52
DISCCART	600273.61	4134404.96	26.53	26.53
DISCCART	600267.56	4134395.73	26.63	26.63
DISCCART	600261.51	4134386.51	26.72	26.72
DISCCART	600255.46	4134377.29	26.81	26.81
DISCCART	600249.41	4134368.07	26.82	26.82
DISCCART	600243.36	4134358.85	26.82	26.82
DISCCART	600237.31	4134349.63	26.82	26.82
DISCCART	600225.22	4134331.18	26.82	26.82
DISCCART	600219.17	4134321.96	26.82	26.82
DISCCART	600213.12	4134312.74	26.82	26.82
DISCCART	600207.07	4134303.52	26.82	26.82
DISCCART	600201.02	4134294.30	26.84	26.84
DISCCART	600196.38	4134279.74	26.94	26.94
DISCCART	600199.18	4134269.08	27.02	27.02
DISCCART	600201.99	4134258.41	27.11	27.11
DISCCART	600204.80	4134247.75	27.13	27.13
DISCCART	600207.60	4134237.08	27.13	27.13
DISCCART	600210.41	4134226.42	27.13	27.13
DISCCART	600221.64	4134183.76	27.26	27.26
DISCCART	600224.44	4134173.09	27.36	27.36
DISCCART	600227.25	4134162.43	27.43	27.43
DISCCART	600230.06	4134151.76	27.43	27.43
DISCCART	600232.86	4134141.10	27.43	27.43
DISCCART	600238.48	4134119.77	27.43	27.43
DISCCART	600241.28	4134109.10	27.43	27.43
DISCCART	600244.09	4134098.44	27.43	27.43
DISCCART	600246.90	4134087.77	27.43	27.43
DISCCART	600249.70	4134077.11	27.43	27.43
DISCCART	600252.51	4134066.44	27.43	27.43
DISCCART	600255.32	4134055.78	27.43	27.43
DISCCART	600374.52	4134301.25	27.28	27.28
DISCCART	600337.14	4134348.56	26.95	26.95
DISCCART	600323.13	4134366.30	26.82	26.82
DISCCART	600318.45	4134372.22	26.82	26.82
DISCCART	600309.11	4134384.05	26.79	26.79
DISCCART	600304.44	4134389.96	26.74	26.74
DISCCART	600290.42	4134407.70	26.52	26.52
DISCCART	600271.73	4134431.36	26.52	26.52
DISCCART	600267.06	4134437.27	26.51	26.51
DISCCART	600234.35	4134478.67	26.50	26.50
DISCCART	600229.68	4134484.58	26.55	26.55
DISCCART	600225.01	4134490.49	26.60	26.60
DISCCART	600201.64	4134520.06	26.36	26.36
DISCCART	600196.97	4134525.98	26.29	26.29
DISCCART	600192.30	4134531.89	26.29	26.29
DISCCART	600187.63	4134537.80	26.32	26.32
DISCCART	600182.95	4134543.72	26.36	26.36
DISCCART	600336.21	4134338.22	27.00	27.00
DISCCART	600331.54	4134344.14	26.92	26.92
DISCCART	600317.52	4134361.88	26.82	26.82
DISCCART	600303.50	4134379.62	26.80	26.80
DISCCART	600298.83	4134385.53	26.75	26.75
DISCCART	600289.49	4134397.36	26.61	26.61
DISCCART	600284.81	4134403.27	26.55	26.55
DISCCART	600266.12	4134426.93	26.52	26.52
DISCCART	600261.45	4134432.84	26.52	26.52
DISCCART	600242.76	4134456.50	26.45	26.45
DISCCART	600238.09	4134462.41	26.47	26.47
DISCCART	600233.42	4134468.32	26.52	26.52
DISCCART	600228.75	4134474.24	26.56	26.56
DISCCART	600210.06	4134497.89	26.73	26.73
DISCCART	600205.38	4134503.81	26.66	26.66

DISCCART	600200.71	4134509.72	26.58	26.58
DISCCART	600196.04	4134515.64	26.51	26.51
DISCCART	600191.37	4134521.55	26.43	26.43
DISCCART	600330.61	4134333.79	26.99	26.99
DISCCART	600325.93	4134339.71	26.91	26.91
DISCCART	600316.59	4134351.53	26.82	26.82
DISCCART	600311.92	4134357.45	26.82	26.82
DISCCART	600297.90	4134375.19	26.82	26.82
DISCCART	600283.88	4134392.93	26.66	26.66
DISCCART	600279.21	4134398.84	26.60	26.60
DISCCART	600260.52	4134422.50	26.52	26.52
DISCCART	600255.85	4134428.41	26.52	26.52
DISCCART	600251.18	4134434.33	26.52	26.52
DISCCART	600246.50	4134440.24	26.50	26.50
DISCCART	600241.83	4134446.16	26.49	26.49
DISCCART	600237.16	4134452.07	26.50	26.50
DISCCART	600232.49	4134457.98	26.52	26.52
DISCCART	600227.81	4134463.90	26.57	26.57
DISCCART	600209.12	4134487.55	26.76	26.76
DISCCART	600204.45	4134493.47	26.81	26.81
DISCCART	600199.78	4134499.38	26.80	26.80
DISCCART	600195.11	4134505.29	26.73	26.73
DISCCART	600176.42	4134528.95	26.48	26.48
DISCCART	600171.74	4134534.86	26.55	26.55
DISCCART	600395.09	4134240.66	27.43	27.43
DISCCART	600325.00	4134329.37	27.00	27.00
DISCCART	600310.98	4134347.11	26.82	26.82
DISCCART	600306.31	4134353.02	26.82	26.82
DISCCART	600296.97	4134364.85	26.82	26.82
DISCCART	600292.29	4134370.76	26.82	26.82
DISCCART	600278.28	4134388.50	26.70	26.70
DISCCART	600254.92	4134418.07	26.52	26.52
DISCCART	600250.24	4134423.99	26.52	26.52
DISCCART	600245.57	4134429.90	26.52	26.52
DISCCART	600240.90	4134435.81	26.52	26.52
DISCCART	600236.23	4134441.73	26.51	26.51
DISCCART	600231.55	4134447.64	26.53	26.53
DISCCART	600212.86	4134471.30	26.72	26.72
DISCCART	600208.19	4134477.21	26.77	26.77
DISCCART	600203.52	4134483.12	26.82	26.82
DISCCART	600198.85	4134489.04	26.88	26.88
DISCCART	600180.16	4134512.69	26.73	26.73
DISCCART	600175.48	4134518.61	26.65	26.65
DISCCART	600170.81	4134524.52	26.60	26.60
DISCCART	600166.14	4134530.43	26.66	26.66
DISCCART	600370.79	4134259.89	27.43	27.43
DISCCART	600324.07	4134319.02	27.10	27.10
DISCCART	600319.40	4134324.94	27.01	27.01
DISCCART	600305.38	4134342.68	26.84	26.84
DISCCART	600291.36	4134360.42	26.82	26.82
DISCCART	600286.69	4134366.33	26.82	26.82
DISCCART	600272.67	4134384.07	26.75	26.75
DISCCART	600249.31	4134413.64	26.52	26.52
DISCCART	600244.64	4134419.56	26.52	26.52
DISCCART	600225.95	4134443.21	26.59	26.59
DISCCART	600216.60	4134455.04	26.69	26.69
DISCCART	600211.93	4134460.95	26.73	26.73
DISCCART	600207.26	4134466.87	26.78	26.78
DISCCART	600202.59	4134472.78	26.83	26.83
DISCCART	600197.91	4134478.70	26.91	26.91
DISCCART	600179.22	4134502.35	26.95	26.95
DISCCART	600174.55	4134508.26	26.87	26.87
DISCCART	600169.88	4134514.18	26.81	26.81
DISCCART	600165.21	4134520.09	26.77	26.77

DISCCART	600160.54	4134526.01	26.78	26.78
DISCCART	600350.24	4134262.86	27.40	27.40
DISCCART	600312.86	4134310.17	27.04	27.04
DISCCART	600298.84	4134327.91	26.86	26.86
DISCCART	600294.17	4134333.82	26.83	26.83
DISCCART	600280.15	4134351.56	26.82	26.82
DISCCART	600266.14	4134369.30	26.82	26.82
DISCCART	600252.12	4134387.05	26.71	26.71
DISCCART	600238.10	4134404.79	26.53	26.53
DISCCART	600233.43	4134410.70	26.52	26.52
DISCCART	600228.76	4134416.62	26.56	26.56
DISCCART	600224.08	4134422.53	26.61	26.61
DISCCART	600219.41	4134428.44	26.66	26.66
DISCCART	600214.74	4134434.36	26.70	26.70
DISCCART	600210.07	4134440.27	26.75	26.75
DISCCART	600191.38	4134463.93	27.06	27.06
DISCCART	600186.71	4134469.84	27.14	27.14
DISCCART	600182.03	4134475.75	27.19	27.19
DISCCART	600177.36	4134481.67	27.21	27.21
DISCCART	600172.69	4134487.58	27.22	27.22
DISCCART	600168.02	4134493.49	27.16	27.16
DISCCART	600163.34	4134499.41	27.09	27.09
DISCCART	600158.67	4134505.32	27.03	27.03
DISCCART	600154.00	4134511.24	27.02	27.02
DISCCART	600149.33	4134517.15	27.04	27.04
DISCCART	600315.67	4134283.57	27.13	27.13
DISCCART	600306.32	4134295.40	27.08	27.08
DISCCART	600301.65	4134301.31	27.02	27.02
DISCCART	600287.63	4134319.05	26.82	26.82
DISCCART	600273.62	4134336.79	26.82	26.82
DISCCART	600259.60	4134354.53	26.82	26.82
DISCCART	600254.93	4134360.45	26.82	26.82
DISCCART	600240.91	4134378.19	26.80	26.80
DISCCART	600226.89	4134395.93	26.67	26.67
DISCCART	600222.22	4134401.85	26.66	26.66
DISCCART	600217.55	4134407.76	26.68	26.68
DISCCART	600203.53	4134425.50	26.82	26.82
DISCCART	600194.19	4134437.33	27.01	27.01
DISCCART	600189.51	4134443.24	27.10	27.10
DISCCART	600184.84	4134449.16	27.20	27.20
DISCCART	600180.17	4134455.07	27.29	27.29
DISCCART	600175.50	4134460.98	27.38	27.38
DISCCART	600170.82	4134466.90	27.43	27.43
DISCCART	600166.15	4134472.81	27.37	27.37
DISCCART	600161.48	4134478.72	27.31	27.31
DISCCART	600156.81	4134484.64	27.25	27.25
DISCCART	600152.13	4134490.55	27.19	27.19
DISCCART	600147.46	4134496.47	27.13	27.13
DISCCART	600142.79	4134502.38	27.13	27.13
DISCCART	600138.12	4134508.29	27.15	27.15
DISCCART	600299.79	4134280.63	27.13	27.13
DISCCART	600295.11	4134286.54	27.13	27.13
DISCCART	600281.10	4134304.28	26.90	26.90
DISCCART	600267.08	4134322.02	26.82	26.82
DISCCART	600262.41	4134327.94	26.82	26.82
DISCCART	600248.39	4134345.68	26.82	26.82
DISCCART	600234.37	4134363.42	26.82	26.82
DISCCART	600229.70	4134369.33	26.82	26.82
DISCCART	600215.68	4134387.07	26.78	26.78
DISCCART	600211.01	4134392.99	26.78	26.78
DISCCART	600206.34	4134398.90	26.80	26.80
DISCCART	600201.67	4134404.82	26.84	26.84
DISCCART	600196.99	4134410.73	26.89	26.89
DISCCART	600192.32	4134416.64	26.97	26.97

DISCCART	600187.65	4134422.56	27.06	27.06
DISCCART	600182.98	4134428.47	27.18	27.18
DISCCART	600178.30	4134434.39	27.31	27.31
DISCCART	600173.63	4134440.30	27.42	27.42
DISCCART	600168.96	4134446.21	27.43	27.43
DISCCART	600164.29	4134452.13	27.43	27.43
DISCCART	600159.61	4134458.04	27.43	27.43
DISCCART	600154.94	4134463.95	27.43	27.43
DISCCART	600150.27	4134469.87	27.40	27.40
DISCCART	600145.60	4134475.78	27.34	27.34
DISCCART	600140.92	4134481.70	27.27	27.27
DISCCART	600136.25	4134487.61	27.20	27.20
DISCCART	600131.58	4134493.52	27.15	27.15
DISCCART	600126.91	4134499.44	27.14	27.14
DISCCART	600370.82	4134144.64	27.43	27.43
DISCCART	600342.78	4134180.12	27.43	27.43
DISCCART	600300.73	4134233.35	27.19	27.19
DISCCART	600296.06	4134239.26	27.14	27.14
DISCCART	600291.39	4134245.17	27.13	27.13
DISCCART	600286.71	4134251.09	27.13	27.13
DISCCART	600268.02	4134274.74	26.97	26.97
DISCCART	600263.35	4134280.66	26.88	26.88
DISCCART	600249.33	4134298.40	26.82	26.82
DISCCART	600244.66	4134304.31	26.82	26.82
DISCCART	600235.32	4134316.14	26.82	26.82
DISCCART	600230.64	4134322.05	26.82	26.82
DISCCART	600216.63	4134339.79	26.82	26.82
DISCCART	600211.95	4134345.71	26.82	26.82
DISCCART	600207.28	4134351.62	26.82	26.82
DISCCART	600193.26	4134369.36	26.85	26.85
DISCCART	600188.59	4134375.28	26.83	26.83
DISCCART	600183.92	4134381.19	26.85	26.85
DISCCART	600179.25	4134387.10	26.91	26.91
DISCCART	600174.58	4134393.02	26.98	26.98
DISCCART	600169.90	4134398.93	27.08	27.08
DISCCART	600165.23	4134404.85	27.19	27.19
DISCCART	600160.56	4134410.76	27.28	27.28
DISCCART	600155.89	4134416.67	27.35	27.35
DISCCART	600151.21	4134422.59	27.39	27.39
DISCCART	600146.54	4134428.50	27.42	27.42
DISCCART	600141.87	4134434.41	27.43	27.43
DISCCART	600137.20	4134440.33	27.42	27.42
DISCCART	600132.52	4134446.24	27.40	27.40
DISCCART	600127.85	4134452.16	27.35	27.35
DISCCART	600123.18	4134458.07	27.29	27.29
DISCCART	600118.51	4134463.98	27.20	27.20
DISCCART	600359.61	4134135.78	27.43	27.43
DISCCART	600331.57	4134171.26	27.43	27.43
DISCCART	600308.21	4134200.83	27.41	27.41
DISCCART	600303.54	4134206.75	27.36	27.36
DISCCART	600298.87	4134212.66	27.30	27.30
DISCCART	600294.19	4134218.58	27.21	27.21
DISCCART	600270.83	4134248.14	27.13	27.13
DISCCART	600266.16	4134254.06	27.13	27.13
DISCCART	600261.49	4134259.97	27.09	27.09
DISCCART	600256.81	4134265.89	27.03	27.03
DISCCART	600242.80	4134283.63	26.85	26.85
DISCCART	600238.12	4134289.54	26.82	26.82
DISCCART	600224.11	4134307.28	26.82	26.82
DISCCART	600210.09	4134325.02	26.82	26.82
DISCCART	600205.42	4134330.94	26.82	26.82
DISCCART	600200.75	4134336.85	26.85	26.85
DISCCART	600196.07	4134342.76	26.89	26.89
DISCCART	600182.06	4134360.51	26.94	26.94

DISCCART	600177.38	4134366.42	26.91	26.91
DISCCART	600172.71	4134372.33	26.87	26.87
DISCCART	600168.04	4134378.25	26.89	26.89
DISCCART	600163.37	4134384.16	27.00	27.00
DISCCART	600158.69	4134390.08	27.11	27.11
DISCCART	600154.02	4134395.99	27.22	27.22
DISCCART	600149.35	4134401.90	27.32	27.32
DISCCART	600144.68	4134407.82	27.42	27.42
DISCCART	600140.00	4134413.73	27.43	27.43
DISCCART	600135.33	4134419.64	27.43	27.43
DISCCART	600130.66	4134425.56	27.43	27.43
DISCCART	600125.99	4134431.47	27.43	27.43
DISCCART	600121.31	4134437.39	27.43	27.43
DISCCART	600116.64	4134443.30	27.37	27.37
DISCCART	600111.97	4134449.21	27.30	27.30
DISCCART	600107.30	4134455.13	27.22	27.22
DISCCART	600102.62	4134461.04	27.16	27.16
DISCCART	600097.95	4134466.95	27.13	27.13
DISCCART	600093.28	4134472.87	27.13	27.13
DISCCART	600348.40	4134126.93	27.43	27.43
DISCCART	600320.36	4134162.41	27.43	27.43
DISCCART	600315.69	4134168.32	27.43	27.43
DISCCART	600311.02	4134174.24	27.43	27.43
DISCCART	600282.98	4134209.72	27.24	27.24
DISCCART	600278.31	4134215.63	27.18	27.18
DISCCART	600273.64	4134221.55	27.14	27.14
DISCCART	600268.97	4134227.46	27.13	27.13
DISCCART	600240.93	4134262.94	27.06	27.06
DISCCART	600236.26	4134268.86	27.00	27.00
DISCCART	600231.59	4134274.77	26.94	26.94
DISCCART	600226.92	4134280.68	26.88	26.88
DISCCART	600217.57	4134292.51	26.82	26.82
DISCCART	600212.90	4134298.43	26.82	26.82
DISCCART	600203.55	4134310.25	26.82	26.82
DISCCART	600198.88	4134316.17	26.87	26.87
DISCCART	600194.21	4134322.08	26.91	26.91
DISCCART	600189.54	4134327.99	26.96	26.96
DISCCART	600184.86	4134333.91	27.01	27.01
DISCCART	600170.85	4134351.65	27.08	27.08
DISCCART	600166.17	4134357.56	27.04	27.04
DISCCART	600161.50	4134363.48	27.02	27.02
DISCCART	600156.83	4134369.39	27.02	27.02
DISCCART	600152.16	4134375.30	27.04	27.04
DISCCART	600147.48	4134381.22	27.13	27.13
DISCCART	600142.81	4134387.13	27.24	27.24
DISCCART	600138.14	4134393.05	27.32	27.32
DISCCART	600133.47	4134398.96	27.38	27.38
DISCCART	600128.79	4134404.87	27.42	27.42
DISCCART	600124.12	4134410.79	27.43	27.43
DISCCART	600119.45	4134416.70	27.43	27.43
DISCCART	600114.78	4134422.62	27.43	27.43
DISCCART	600110.10	4134428.53	27.41	27.41
DISCCART	600105.43	4134434.44	27.36	27.36
DISCCART	600100.76	4134440.36	27.28	27.28
DISCCART	600096.09	4134446.27	27.22	27.22
DISCCART	600091.42	4134452.18	27.17	27.17
DISCCART	600086.74	4134458.10	27.14	27.14
DISCCART	600082.07	4134464.01	27.12	27.12
DISCCART	600332.47	4134104.74	27.43	27.43
DISCCART	600327.80	4134110.65	27.43	27.43
DISCCART	600323.13	4134116.57	27.43	27.43
DISCCART	600299.77	4134146.13	27.43	27.43
DISCCART	600295.09	4134152.05	27.43	27.43
DISCCART	600290.42	4134157.96	27.43	27.43

DISCCART	600262.39	4134193.45	27.16	27.16
DISCCART	600257.71	4134199.36	27.13	27.13
DISCCART	600253.04	4134205.27	27.13	27.13
DISCCART	600248.37	4134211.19	27.13	27.13
DISCCART	600243.70	4134217.10	27.13	27.13
DISCCART	600220.34	4134246.67	27.13	27.13
DISCCART	600215.66	4134252.58	27.13	27.13
DISCCART	600210.99	4134258.50	27.11	27.11
DISCCART	600206.32	4134264.41	27.05	27.05
DISCCART	600187.63	4134288.07	26.98	26.98
DISCCART	600182.96	4134293.98	27.03	27.03
DISCCART	600178.28	4134299.89	27.08	27.08
DISCCART	600173.61	4134305.81	27.12	27.12
DISCCART	600168.94	4134311.72	27.13	27.13
DISCCART	600164.27	4134317.63	27.13	27.13
DISCCART	600150.25	4134335.38	27.13	27.13
DISCCART	600145.58	4134341.29	27.13	27.13
DISCCART	600140.90	4134347.20	27.15	27.15
DISCCART	600136.23	4134353.12	27.20	27.20
DISCCART	600131.56	4134359.03	27.25	27.25
DISCCART	600126.89	4134364.95	27.29	27.29
DISCCART	600122.21	4134370.86	27.34	27.34
DISCCART	600117.54	4134376.77	27.39	27.39
DISCCART	600112.87	4134382.69	27.43	27.43
DISCCART	600108.20	4134388.60	27.43	27.43
DISCCART	600103.53	4134394.51	27.43	27.43
DISCCART	600098.85	4134400.43	27.43	27.43
DISCCART	600094.18	4134406.34	27.43	27.43
DISCCART	600089.51	4134412.26	27.39	27.39
DISCCART	600084.84	4134418.17	27.32	27.32
DISCCART	600080.16	4134424.08	27.21	27.21
DISCCART	600075.49	4134430.00	27.10	27.10
DISCCART	600070.82	4134435.91	27.00	27.00
DISCCART	600066.15	4134441.82	26.95	26.95
DISCCART	600061.47	4134447.74	26.91	26.91
DISCCART	600291.28	4134072.19	27.43	27.43
DISCCART	600286.61	4134078.11	27.43	27.43
DISCCART	600281.93	4134084.02	27.43	27.43
DISCCART	600277.26	4134089.93	27.43	27.43
DISCCART	600253.90	4134119.50	27.43	27.43
DISCCART	600249.23	4134125.42	27.43	27.43
DISCCART	600216.52	4134166.81	27.43	27.43
DISCCART	600211.85	4134172.73	27.37	27.37
DISCCART	600207.18	4134178.64	27.31	27.31
DISCCART	600202.50	4134184.55	27.25	27.25
DISCCART	600197.83	4134190.47	27.19	27.19
DISCCART	600193.16	4134196.38	27.13	27.13
DISCCART	600188.49	4134202.29	27.13	27.13
DISCCART	600183.81	4134208.21	27.13	27.13
DISCCART	600179.14	4134214.12	27.13	27.13
DISCCART	600174.47	4134220.04	27.13	27.13
DISCCART	600169.80	4134225.95	27.13	27.13
DISCCART	600165.12	4134231.86	27.13	27.13
DISCCART	600160.45	4134237.78	27.13	27.13
DISCCART	600155.78	4134243.69	27.13	27.13
DISCCART	600151.11	4134249.61	27.13	27.13
DISCCART	600146.43	4134255.52	27.13	27.13
DISCCART	600141.76	4134261.43	27.13	27.13
DISCCART	600137.09	4134267.35	27.13	27.13
DISCCART	600132.42	4134273.26	27.13	27.13
DISCCART	600127.74	4134279.17	27.13	27.13
DISCCART	600123.07	4134285.09	27.13	27.13
DISCCART	600109.06	4134302.83	27.15	27.15
DISCCART	600104.38	4134308.74	27.19	27.19

DISCCART	600099.71	4134314.66	27.26	27.26
DISCCART	600095.04	4134320.57	27.33	27.33
DISCCART	600090.37	4134326.48	27.38	27.38
DISCCART	600085.69	4134332.40	27.42	27.42
DISCCART	600081.02	4134338.31	27.41	27.41
DISCCART	600076.35	4134344.23	27.36	27.36
DISCCART	600071.68	4134350.14	27.32	27.32
DISCCART	600067.00	4134356.05	27.27	27.27
DISCCART	600062.33	4134361.97	27.22	27.22
DISCCART	600057.66	4134367.88	27.17	27.17
DISCCART	600052.99	4134373.79	27.13	27.13
DISCCART	600048.31	4134379.71	27.04	27.04
DISCCART	600043.64	4134385.62	26.94	26.94
DISCCART	600038.97	4134391.54	26.83	26.83
DISCCART	600034.30	4134397.45	26.72	26.72
DISCCART	600029.62	4134403.36	26.61	26.61
DISCCART	600024.95	4134409.28	26.54	26.54
DISCCART	600020.28	4134415.19	26.52	26.52
DISCCART	600270.68	4134055.92	27.43	27.43
DISCCART	600266.01	4134061.83	27.43	27.43
DISCCART	600261.34	4134067.75	27.43	27.43
DISCCART	600256.66	4134073.66	27.43	27.43
DISCCART	600233.30	4134103.23	27.43	27.43
DISCCART	600228.63	4134109.14	27.43	27.43
DISCCART	600214.61	4134126.88	27.43	27.43
DISCCART	600209.94	4134132.80	27.43	27.43
DISCCART	600205.27	4134138.71	27.43	27.43
DISCCART	600200.60	4134144.62	27.43	27.43
DISCCART	600195.92	4134150.54	27.43	27.43
DISCCART	600191.25	4134156.45	27.43	27.43
DISCCART	600186.58	4134162.37	27.43	27.43
DISCCART	600181.91	4134168.28	27.41	27.41
DISCCART	600177.23	4134174.19	27.35	27.35
DISCCART	600172.56	4134180.11	27.29	27.29
DISCCART	600167.89	4134186.02	27.23	27.23
DISCCART	600163.22	4134191.94	27.17	27.17
DISCCART	600158.54	4134197.85	27.13	27.13
DISCCART	600153.87	4134203.76	27.13	27.13
DISCCART	600149.20	4134209.68	27.13	27.13
DISCCART	600144.53	4134215.59	27.13	27.13
DISCCART	600139.85	4134221.50	27.13	27.13
DISCCART	600135.18	4134227.42	27.13	27.13
DISCCART	600130.51	4134233.33	27.13	27.13
DISCCART	600125.84	4134239.25	27.13	27.13
DISCCART	600121.16	4134245.16	27.13	27.13
DISCCART	600116.49	4134251.07	27.13	27.13
DISCCART	600111.82	4134256.99	27.13	27.13
DISCCART	600107.15	4134262.90	27.13	27.13
DISCCART	600102.48	4134268.81	27.13	27.13
DISCCART	600088.46	4134286.56	27.13	27.13
DISCCART	600083.79	4134292.47	27.19	27.19
DISCCART	600079.11	4134298.38	27.23	27.23
DISCCART	600074.44	4134304.30	27.26	27.26
DISCCART	600069.77	4134310.21	27.26	27.26
DISCCART	600065.10	4134316.12	27.25	27.25
DISCCART	600060.42	4134322.04	27.20	27.20
DISCCART	600055.75	4134327.95	27.15	27.15
DISCCART	600051.08	4134333.87	27.11	27.11
DISCCART	600046.41	4134339.78	27.07	27.07
DISCCART	600041.73	4134345.69	27.01	27.01
DISCCART	600037.06	4134351.61	26.96	26.96
DISCCART	600032.39	4134357.52	26.92	26.92
DISCCART	600027.72	4134363.44	26.87	26.87
DISCCART	600023.04	4134369.35	26.82	26.82

DISCCART	600018.37	4134375.26	26.77	26.77
DISCCART	600013.70	4134381.18	26.69	26.69
DISCCART	600009.03	4134387.09	26.62	26.62
DISCCART	600004.35	4134393.00	26.57	26.57
DISCCART	599999.68	4134398.92	26.53	26.53
DISCCART	600180.65	4134609.15	26.79	26.79
DISCCART	600178.12	4134600.06	26.77	26.77
DISCCART	600173.84	4134611.14	26.82	26.82
DISCCART	600167.67	4134623.27	26.81	26.81
DISCCART	600157.52	4134605.56	26.88	26.88
DISCCART	600159.71	4134594.69	26.92	26.92
DISCCART	600168.46	4134551.18	26.61	26.61
DISCCART	600153.34	4134617.05	26.82	26.82
DISCCART	600150.65	4134607.42	26.89	26.89
DISCCART	600152.87	4134596.42	26.96	26.96
DISCCART	600155.08	4134585.42	27.00	27.00
DISCCART	600163.93	4134541.43	26.71	26.71
DISCCART	600150.32	4134623.18	26.77	26.77
DISCCART	600143.78	4134609.28	26.89	26.89
DISCCART	600146.02	4134598.18	26.99	26.99
DISCCART	600148.25	4134587.08	27.07	27.07
DISCCART	600157.19	4134542.66	26.84	26.84
DISCCART	600147.32	4134638.76	26.63	26.63
DISCCART	600139.95	4134630.72	26.68	26.68
DISCCART	600132.59	4134622.69	26.76	26.76
DISCCART	600129.98	4134613.33	26.85	26.85
DISCCART	600132.13	4134602.64	26.96	26.96
DISCCART	600134.28	4134591.95	27.07	27.07
DISCCART	600136.43	4134581.27	27.14	27.14
DISCCART	600138.58	4134570.58	27.15	27.15
DISCCART	600145.03	4134538.52	27.09	27.09
DISCCART	600147.18	4134527.84	27.05	27.05
DISCCART	600141.38	4134651.13	26.52	26.52
DISCCART	600133.89	4134642.95	26.55	26.55
DISCCART	600126.39	4134634.77	26.64	26.64
DISCCART	600118.89	4134626.59	26.72	26.72
DISCCART	600116.24	4134617.06	26.82	26.82
DISCCART	600118.43	4134606.19	26.93	26.93
DISCCART	600120.61	4134595.31	27.04	27.04
DISCCART	600122.80	4134584.43	27.14	27.14
DISCCART	600124.99	4134573.56	27.21	27.21
DISCCART	600127.18	4134562.68	27.26	27.26
DISCCART	600133.74	4134530.05	27.22	27.22
DISCCART	600135.93	4134519.17	27.18	27.18
DISCCART	600131.80	4134659.53	26.52	26.52
DISCCART	600124.20	4134651.23	26.52	26.52
DISCCART	600116.59	4134642.93	26.55	26.55
DISCCART	600108.99	4134634.63	26.66	26.66
DISCCART	600102.49	4134620.82	26.79	26.79
DISCCART	600104.71	4134609.78	26.89	26.89
DISCCART	600106.93	4134598.75	27.00	27.00
DISCCART	600109.15	4134587.71	27.11	27.11
DISCCART	600111.37	4134576.68	27.23	27.23
DISCCART	600113.59	4134565.64	27.34	27.34
DISCCART	600115.81	4134554.61	27.41	27.41
DISCCART	600122.47	4134521.51	27.30	27.30
DISCCART	600124.69	4134510.47	27.21	27.21
DISCCART	600126.10	4134672.16	26.52	26.52
DISCCART	600118.41	4134663.76	26.52	26.52
DISCCART	600110.71	4134655.36	26.54	26.54
DISCCART	600103.01	4134646.96	26.62	26.62
DISCCART	600095.32	4134638.57	26.73	26.73
DISCCART	600088.74	4134624.59	26.81	26.81
DISCCART	600090.99	4134613.42	26.85	26.85

DISCCART	600093.24	4134602.25	26.97	26.97
DISCCART	600095.48	4134591.08	27.08	27.08
DISCCART	600097.73	4134579.92	27.19	27.19
DISCCART	600099.97	4134568.75	27.31	27.31
DISCCART	600102.22	4134557.58	27.42	27.42
DISCCART	600104.47	4134546.42	27.40	27.40
DISCCART	600111.21	4134512.91	27.28	27.28
DISCCART	600113.45	4134501.75	27.18	27.18
DISCCART	600199.82	4134741.14	26.23	26.23
DISCCART	600115.09	4134678.99	26.49	26.49
DISCCART	600107.59	4134670.81	26.53	26.53
DISCCART	600100.10	4134662.63	26.58	26.58
DISCCART	600092.60	4134654.45	26.67	26.67
DISCCART	600085.10	4134646.27	26.80	26.80
DISCCART	600077.61	4134638.09	26.82	26.82
DISCCART	600074.95	4134628.56	26.82	26.82
DISCCART	600077.14	4134617.69	26.82	26.82
DISCCART	600079.33	4134606.81	26.92	26.92
DISCCART	600081.52	4134595.93	27.03	27.03
DISCCART	600083.70	4134585.06	27.14	27.14
DISCCART	600085.89	4134574.18	27.25	27.25
DISCCART	600088.08	4134563.30	27.36	27.36
DISCCART	600090.27	4134552.43	27.40	27.40
DISCCART	600092.46	4134541.55	27.33	27.33
DISCCART	600094.64	4134530.67	27.27	27.27
DISCCART	600194.81	4134754.51	26.31	26.31
DISCCART	600113.15	4134695.73	26.32	26.32
DISCCART	600105.57	4134687.46	26.41	26.41
DISCCART	600098.00	4134679.19	26.49	26.49
DISCCART	600090.42	4134670.92	26.56	26.56
DISCCART	600082.84	4134662.65	26.66	26.66
DISCCART	600075.26	4134654.38	26.74	26.74
DISCCART	600067.68	4134646.11	26.82	26.82
DISCCART	600061.20	4134632.34	26.82	26.82
DISCCART	600063.42	4134621.34	26.82	26.82
DISCCART	600065.63	4134610.34	26.88	26.88
DISCCART	600067.84	4134599.34	27.00	27.00
DISCCART	600070.05	4134588.35	27.11	27.11
DISCCART	600072.26	4134577.35	27.19	27.19
DISCCART	600074.48	4134566.35	27.27	27.27
DISCCART	600076.69	4134555.35	27.36	27.36
DISCCART	600078.90	4134544.35	27.28	27.28
DISCCART	600089.96	4134489.36	27.13	27.13
DISCCART	600189.79	4134767.89	26.38	26.38
DISCCART	600103.73	4134704.29	26.23	26.23
DISCCART	600096.08	4134695.94	26.32	26.32
DISCCART	600088.42	4134687.59	26.40	26.40
DISCCART	600080.77	4134679.24	26.49	26.49
DISCCART	600073.12	4134670.89	26.57	26.57
DISCCART	600065.47	4134662.54	26.66	26.66
DISCCART	600057.81	4134654.19	26.74	26.74
DISCCART	600050.16	4134645.84	26.82	26.82
DISCCART	600047.45	4134636.12	26.82	26.82
DISCCART	600049.69	4134625.01	26.82	26.82
DISCCART	600051.92	4134613.91	26.85	26.85
DISCCART	600054.15	4134602.81	26.96	26.96
DISCCART	600056.39	4134591.70	27.07	27.07
DISCCART	600058.62	4134580.60	27.14	27.14
DISCCART	600060.85	4134569.50	27.17	27.17
DISCCART	600063.09	4134558.39	27.22	27.22
DISCCART	600078.72	4134480.67	27.08	27.08
DISCCART	600174.11	4134777.27	26.22	26.22
DISCCART	600184.78	4134781.27	26.33	26.33
DISCCART	600155.71	4134795.65	26.21	26.21

DISCCART	600086.46	4134720.08	26.07	26.07
DISCCART	600078.76	4134711.69	26.16	26.16
DISCCART	600071.07	4134703.29	26.25	26.25
DISCCART	600063.37	4134694.89	26.33	26.33
DISCCART	600055.68	4134686.50	26.42	26.42
DISCCART	600047.98	4134678.10	26.50	26.50
DISCCART	600040.29	4134669.70	26.59	26.59
DISCCART	600032.59	4134661.31	26.67	26.67
DISCCART	600024.90	4134652.91	26.76	26.76
DISCCART	600022.17	4134643.13	26.82	26.82
DISCCART	600024.42	4134631.97	26.82	26.82
DISCCART	600026.66	4134620.80	26.82	26.82
DISCCART	600028.91	4134609.64	26.89	26.89
DISCCART	600031.15	4134598.47	27.01	27.01
DISCCART	600042.38	4134542.64	27.13	27.13
DISCCART	600044.63	4134531.48	27.13	27.13
DISCCART	600046.88	4134520.31	27.06	27.06
DISCCART	600058.10	4134464.49	26.87	26.87
DISCCART	600164.89	4134801.84	26.20	26.20
DISCCART	600175.56	4134805.84	26.23	26.23
DISCCART	600146.57	4134820.31	26.00	26.00
DISCCART	600139.03	4134812.08	26.01	26.01
DISCCART	600071.17	4134738.03	25.91	25.91
DISCCART	600063.63	4134729.81	25.98	25.98
DISCCART	600056.09	4134721.58	26.06	26.06
DISCCART	600048.54	4134713.35	26.14	26.14
DISCCART	600041.00	4134705.12	26.23	26.23
DISCCART	600033.46	4134696.90	26.31	26.31
DISCCART	600025.92	4134688.67	26.39	26.39
DISCCART	600018.38	4134680.44	26.48	26.48
DISCCART	600010.84	4134672.21	26.56	26.56
DISCCART	600003.30	4134663.99	26.64	26.64
DISCCART	599996.86	4134650.29	26.78	26.78
DISCCART	599999.06	4134639.35	26.82	26.82
DISCCART	600001.26	4134628.41	26.82	26.82
DISCCART	600010.07	4134584.64	27.13	27.13
DISCCART	600012.27	4134573.70	27.13	27.13
DISCCART	600014.47	4134562.76	27.13	27.13
DISCCART	600016.67	4134551.82	27.13	27.13
DISCCART	600018.87	4134540.88	27.13	27.13
DISCCART	600021.07	4134529.94	27.13	27.13
DISCCART	600023.27	4134518.99	27.05	27.05
DISCCART	600025.47	4134508.05	26.94	26.94
DISCCART	600027.67	4134497.11	26.83	26.83
DISCCART	600038.68	4134442.41	26.68	26.68
DISCCART	600155.67	4134826.42	26.04	26.04
DISCCART	600166.34	4134830.42	26.10	26.10
DISCCART	600137.33	4134844.86	25.70	25.70
DISCCART	600129.75	4134836.59	25.71	25.71
DISCCART	600053.90	4134753.83	25.91	25.91
DISCCART	600046.32	4134745.56	25.91	25.91
DISCCART	600038.73	4134737.28	25.91	25.91
DISCCART	600031.15	4134729.01	25.98	25.98
DISCCART	600023.57	4134720.73	26.07	26.07
DISCCART	600015.98	4134712.46	26.15	26.15
DISCCART	600008.40	4134704.18	26.24	26.24
DISCCART	600000.81	4134695.90	26.32	26.32
DISCCART	599993.23	4134687.63	26.40	26.40
DISCCART	599985.64	4134679.35	26.49	26.49
DISCCART	599978.06	4134671.08	26.54	26.54
DISCCART	599980.44	4134613.28	26.84	26.84
DISCCART	599982.65	4134602.28	26.92	26.92
DISCCART	599984.86	4134591.27	27.01	27.01
DISCCART	599987.08	4134580.27	27.08	27.08

DISCCART	599989.29	4134569.26	27.11	27.11
DISCCART	599991.50	4134558.26	27.13	27.13
DISCCART	599993.72	4134547.25	27.13	27.13
DISCCART	599995.93	4134536.25	27.13	27.13
DISCCART	599998.14	4134525.24	27.11	27.11
DISCCART	600018.07	4134426.20	26.52	26.52
DISCCART	600146.46	4134851.00	25.69	25.69
DISCCART	600157.12	4134855.00	25.76	25.76
DISCCART	600128.10	4134869.42	25.41	25.41
DISCCART	600120.48	4134861.11	25.52	25.52
DISCCART	600112.85	4134852.79	25.60	25.60
DISCCART	600036.64	4134769.63	25.88	25.88
DISCCART	600029.02	4134761.32	25.91	25.91
DISCCART	600021.40	4134753.00	25.91	25.91
DISCCART	600013.78	4134744.69	25.91	25.91
DISCCART	600006.16	4134736.37	25.91	25.91
DISCCART	599998.54	4134728.06	25.99	25.99
DISCCART	599990.91	4134719.74	26.08	26.08
DISCCART	599983.29	4134711.42	26.16	26.16
DISCCART	599975.67	4134703.11	26.25	26.25
DISCCART	599968.05	4134694.79	26.33	26.33
DISCCART	599960.43	4134686.48	26.42	26.42
DISCCART	599950.75	4134642.20	26.56	26.56
DISCCART	599952.97	4134631.14	26.67	26.67
DISCCART	599955.20	4134620.08	26.79	26.79
DISCCART	599957.42	4134609.03	26.82	26.82
DISCCART	599959.64	4134597.97	26.82	26.82
DISCCART	599961.87	4134586.91	26.82	26.82
DISCCART	599964.09	4134575.85	26.94	26.94
DISCCART	599966.32	4134564.79	27.05	27.05
DISCCART	599968.54	4134553.73	27.13	27.13
DISCCART	599970.77	4134542.68	27.13	27.13
DISCCART	599972.99	4134531.62	27.13	27.13
DISCCART	599975.21	4134520.56	27.07	27.07
DISCCART	599997.46	4134409.98	26.52	26.52
DISCCART	600137.24	4134875.58	25.37	25.37
DISCCART	600147.91	4134879.58	25.42	25.42
** DESCRREC	" "	" "		
DISCCART	600234.60	4134518.59	26.27	26.27
DISCCART	600240.83	4134506.74	26.28	26.28
DISCCART	600368.01	4134352.14	26.92	26.92
DISCCART	600360.52	4134362.73	26.89	26.89
DISCCART	600246.44	4134527.32	26.09	26.09
DISCCART	600253.92	4134517.34	26.03	26.03
DISCCART	600364.27	4134369.59	26.78	26.78
DISCCART	600373.62	4134358.99	26.79	26.79
DISCCART	600612.70	4134331.32	26.52	26.52
DISCCART	600644.75	4134278.94	26.82	26.82
DISCCART	600664.13	4134289.94	26.68	26.68
DISCCART	600632.79	4134344.48	26.52	26.52
DISCCART	600622.27	4134338.26	26.52	26.52
DISCCART	600627.53	4134305.73	26.63	26.63
DISCCART	600647.14	4134318.88	26.52	26.52
DISCCART	600619.87	4134318.88	26.52	26.52
DISCCART	600640.45	4134331.08	26.52	26.52
DISCCART	600629.20	4134325.58	26.52	26.52
DISCCART	600636.62	4134312.42	26.56	26.56
DISCCART	600636.14	4134292.33	26.76	26.76
DISCCART	600646.90	4134298.07	26.70	26.70
DISCCART	600656.23	4134303.81	26.62	26.62
DISCCART	600654.56	4134283.24	26.81	26.81
DISCCART	600589.73	4134278.46	26.55	26.55
** DISCRETE CARTESIAN PLANT BOUNDARY - PRIMARY RECEPTORS				
** PLANT BOUNDARY NAME CONZONE				

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** DESCRREC " " " "
DISCCART    600239.00    4134588.00    25.94    25.94
DISCCART    600255.00    4134594.00    26.06    26.06
DISCCART    600336.00    4134493.00    26.19    26.19
DISCCART    600461.00    4134590.00    28.13    28.13
DISCCART    600456.00    4134597.00    28.32    28.32
DISCCART    600489.00    4134621.00    28.33    28.33
DISCCART    600494.00    4134621.00    28.23    28.23
DISCCART    600498.00    4134619.00    28.15    28.15
DISCCART    600669.00    4134414.00    26.97    26.97
DISCCART    600672.00    4134406.00    26.93    26.93
DISCCART    600672.00    4134400.00    26.91    26.91
DISCCART    600668.00    4134391.00    26.90    26.90
DISCCART    600665.00    4134386.00    26.88    26.88
DISCCART    600593.00    4134329.00    26.52    26.52
DISCCART    600545.00    4134299.00    26.77    26.77
DISCCART    600514.00    4134275.00    27.02    27.02
DISCCART    600562.00    4134215.00    26.83    26.83
DISCCART    600586.00    4134173.00    26.88    26.88
DISCCART    600561.00    4134155.00    27.14    27.14
DISCCART    600496.00    4134236.00    27.20    27.20
DISCCART    600510.00    4134245.00    27.06    27.06

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RE FINISHED

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**
*****
** AERMOD METEOROLOGY PATHWAY
*****

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**
**
ME STARTING
SURFFILE "J:\PROJECTS\BART SILICON VALLEY SANTA CLARA EXT 2013-002\AIR
QUALITY\DISPERSIONMODELING\METDATA\ALVISO_AERMOD_READY\ALVISOMETDATA.SFC"
PROFFILE "J:\PROJECTS\BART SILICON VALLEY SANTA CLARA EXT 2013-002\AIR
QUALITY\DISPERSIONMODELING\METDATA\ALVISO_AERMOD_READY\ALVISOMETDATA.PFL"
SURFDATA 23293 1998
UAIRDATA 23230 1998 OAKLAND/WSO_AP
SITEDATA 7905 1998
PROFBASE 10.0 METERS

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ME FINISHED

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**
*****
** AERMOD OUTPUT PATHWAY
*****

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**
**
OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
RECTABLE 8 1ST
RECTABLE 24 1ST
** AUTO-GENERATED PLOTFILES
PLOTFILE 1 ALL 1ST BART-FAC.AD\01H1GALL.PLT 31
PLOTFILE 8 ALL 1ST BART-FAC.AD\08H1GALL.PLT 32
PLOTFILE 24 ALL 1ST BART-FAC.AD\24H1GALL.PLT 33
PLOTFILE PERIOD ALL BART-FAC.AD\PE00GALL.PLT 34
SUMMFILE BART-FAC.SUM

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OU FINISHED

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

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*** AERMET - VERSION 15181 *** **

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**MODELOPTs: RegDEFAULT CONC ELEV

*** 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:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: Q/CHI

**Model Calculates 3 Short Term Average(s) of: 1-HR 8-HR 24-HR
and Calculates PERIOD Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 2959 Receptor(s)

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

**The AERMET Input Meteorological Data Version Date: 15181

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 10.00 ; 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 = 4.0 MB of RAM.

**Detailed Error/Message File:

BART-FAC.ERR

**File for Summary of Results:

BART-FAC.SUM

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**MODELOPTs: RegDEFAULT CONC ELEV

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR	EMISSION RATE VARY BY
CON_ZONE	0	0.14069E-04	600239.0	4134588.0	25.9	6.80	21	3.40	NO		HROFDY

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**MODELOPTs: RegDEFAULT CONC ELEV

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	CON_ZONE

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**MODELOPTs: RegDEFAULT CONC ELEV

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.00000E+00	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.00000E+00	23	.10000E+01	24	.10000E+01

SOURCE ID = CON_ZONE ; SOURCE TYPE = AREAPOLY :

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**MODELOPTs: RegDEFAULT CONC ELEV

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(600272.4, 4134683.2, 27.6, 27.6, 0.0);	(600265.3, 4134682.9, 27.4, 27.4, 0.0);
(600258.1, 4134682.6, 27.4, 27.4, 0.0);	(600274.6, 4134690.1, 27.5, 27.5, 0.0);
(600261.0, 4134689.5, 27.3, 27.3, 0.0);	(600247.3, 4134688.9, 27.2, 27.2, 0.0);
(600291.2, 4134700.3, 27.8, 27.8, 0.0);	(600278.2, 4134703.9, 27.5, 27.5, 0.0);
(600271.2, 4134703.6, 27.3, 27.3, 0.0);	(600264.2, 4134703.2, 27.2, 27.2, 0.0);
(600257.1, 4134702.9, 27.1, 27.1, 0.0);	(600250.1, 4134702.6, 27.1, 27.1, 0.0);
(600243.0, 4134702.3, 27.0, 27.0, 0.0);	(600236.0, 4134702.0, 26.9, 26.9, 0.0);
(600301.1, 4134710.1, 27.9, 27.9, 0.0);	(600295.1, 4134714.0, 27.7, 27.7, 0.0);
(600281.9, 4134717.6, 27.4, 27.4, 0.0);	(600274.7, 4134717.3, 27.3, 27.3, 0.0);
(600267.5, 4134717.0, 27.2, 27.2, 0.0);	(600260.2, 4134716.7, 27.1, 27.1, 0.0);
(600253.1, 4134716.3, 27.0, 27.0, 0.0);	(600245.9, 4134716.0, 26.9, 26.9, 0.0);
(600238.7, 4134715.7, 26.9, 26.9, 0.0);	(600231.5, 4134715.4, 26.8, 26.8, 0.0);
(600224.2, 4134715.0, 26.7, 26.7, 0.0);	(600311.2, 4134719.7, 28.2, 28.2, 0.0);
(600305.1, 4134723.7, 27.9, 27.9, 0.0);	(600299.0, 4134727.7, 27.7, 27.7, 0.0);
(600285.5, 4134731.4, 27.4, 27.4, 0.0);	(600278.2, 4134731.1, 27.3, 27.3, 0.0);
(600270.8, 4134730.8, 27.2, 27.2, 0.0);	(600263.5, 4134730.4, 27.1, 27.1, 0.0);
(600256.2, 4134730.1, 27.1, 27.1, 0.0);	(600248.8, 4134729.8, 27.0, 27.0, 0.0);
(600241.5, 4134729.4, 26.9, 26.9, 0.0);	(600234.2, 4134729.1, 26.8, 26.8, 0.0);
(600226.8, 4134728.8, 26.7, 26.7, 0.0);	(600219.5, 4134728.4, 26.6, 26.6, 0.0);
(600212.2, 4134728.1, 26.4, 26.4, 0.0);	(600321.5, 4134729.2, 28.4, 28.4, 0.0);
(600315.3, 4134733.2, 28.1, 28.1, 0.0);	(600309.1, 4134737.3, 27.9, 27.9, 0.0);
(600302.9, 4134741.4, 27.7, 27.7, 0.0);	(600289.2, 4134745.2, 27.4, 27.4, 0.0);
(600281.7, 4134744.9, 27.3, 27.3, 0.0);	(600274.3, 4134744.5, 27.2, 27.2, 0.0);
(600266.8, 4134744.2, 27.2, 27.2, 0.0);	(600259.4, 4134743.8, 27.1, 27.1, 0.0);
(600251.9, 4134743.5, 27.0, 27.0, 0.0);	(600244.5, 4134743.2, 26.9, 26.9, 0.0);
(600237.1, 4134742.8, 26.9, 26.9, 0.0);	(600229.6, 4134742.5, 26.8, 26.8, 0.0);
(600222.2, 4134742.1, 26.6, 26.6, 0.0);	(600214.7, 4134741.8, 26.5, 26.5, 0.0);
(600207.3, 4134741.5, 26.3, 26.3, 0.0);	(600332.0, 4134738.6, 28.6, 28.6, 0.0);
(600325.6, 4134742.7, 28.4, 28.4, 0.0);	(600319.3, 4134746.9, 28.2, 28.2, 0.0);
(600313.0, 4134751.0, 28.0, 28.0, 0.0);	(600306.7, 4134755.2, 27.8, 27.8, 0.0);
(600292.9, 4134759.0, 27.4, 27.4, 0.0);	(600285.3, 4134758.6, 27.4, 27.4, 0.0);

27.4,	0.0);						
(600277.8,	4134758.3,	27.3,	27.3,	0.0);	(600270.2,	4134757.9,	27.2,
27.2,	0.0);						
(600262.7,	4134757.6,	27.1,	27.1,	0.0);	(600255.2,	4134757.2,	27.1,
27.1,	0.0);						
(600247.6,	4134756.9,	27.0,	27.0,	0.0);	(600240.1,	4134756.6,	26.9,
26.9,	0.0);						
(600232.5,	4134756.2,	26.8,	26.8,	0.0);	(600225.0,	4134755.9,	26.7,
26.7,	0.0);						
(600217.4,	4134755.5,	26.6,	26.6,	0.0);	(600209.9,	4134755.2,	26.5,
26.5,	0.0);						
(600202.4,	4134754.9,	26.4,	26.4,	0.0);	(600346.1,	4134745.6,	29.0,
29.0,	0.0);						
(600340.1,	4134749.5,	28.8,	28.8,	0.0);	(600334.1,	4134753.4,	28.6,
28.6,	0.0);						
(600328.1,	4134757.4,	28.5,	28.5,	0.0);	(600322.1,	4134761.3,	28.3,
28.3,	0.0);						
(600316.2,	4134765.2,	28.1,	28.1,	0.0);	(600310.2,	4134769.1,	27.9,
27.9,	0.0);						
(600297.0,	4134772.8,	27.6,	27.6,	0.0);	(600289.9,	4134772.4,	27.4,
27.4,	0.0);						
(600282.7,	4134772.1,	27.4,	27.4,	0.0);	(600275.6,	4134771.8,	27.3,
27.3,	0.0);						
(600268.4,	4134771.5,	27.2,	27.2,	0.0);	(600261.3,	4134771.1,	27.1,
27.1,	0.0);						
(600254.1,	4134770.8,	27.0,	27.0,	0.0);	(600247.0,	4134770.5,	27.0,
27.0,	0.0);						
(600239.8,	4134770.2,	26.9,	26.9,	0.0);	(600232.7,	4134769.8,	26.8,
26.8,	0.0);						

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600225.5,	4134769.5,	26.7,	26.7,	0.0);	(600218.4,	4134769.2,	26.7,
26.7,	0.0);						
(600211.2,	4134768.9,	26.6,	26.6,	0.0);	(600204.1,	4134768.5,	26.5,
26.5,	0.0);						
(600196.9,	4134768.2,	26.4,	26.4,	0.0);	(600350.4,	4134759.0,	29.0,
29.0,	0.0);						
(600344.3,	4134762.9,	28.8,	28.8,	0.0);	(600338.3,	4134766.9,	28.7,
28.7,	0.0);						
(600332.2,	4134770.9,	28.5,	28.5,	0.0);	(600326.2,	4134774.9,	28.3,
28.3,	0.0);						
(600320.1,	4134778.9,	28.2,	28.2,	0.0);	(600314.0,	4134782.9,	28.0,
28.0,	0.0);						
(600300.7,	4134786.5,	27.8,	27.8,	0.0);	(600293.5,	4134786.2,	27.6,
27.6,	0.0);						
(600286.2,	4134785.9,	27.5,	27.5,	0.0);	(600279.0,	4134785.5,	27.4,
27.4,	0.0);						
(600271.7,	4134785.2,	27.3,	27.3,	0.0);	(600264.5,	4134784.9,	27.2,
27.2,	0.0);						
(600257.2,	4134784.6,	27.1,	27.1,	0.0);	(600250.0,	4134784.2,	27.0,
27.0,	0.0);						
(600242.8,	4134783.9,	26.9,	26.9,	0.0);	(600235.5,	4134783.6,	26.9,
26.9,	0.0);						
(600228.3,	4134783.2,	26.8,	26.8,	0.0);	(600221.0,	4134782.9,	26.7,

26.7, (600213.8, 4134782.6, 26.6, 0.0);	26.6, 26.6, 0.0);	26.6, 26.6, 0.0);	26.6, 26.6, 0.0);	(600206.5, 4134782.2, 26.6, 0.0);
(600199.3, 4134781.9, 26.4, 0.0);	(600192.0, 4134781.6, 26.4, 0.0);	(600307.6, 4134811.8, 27.6, 0.0);	(600300.2, 4134811.5, 27.6, 0.0);	(600285.6, 4134810.8, 27.5, 0.0);
(600292.9, 4134811.2, 27.5, 0.0);	(600278.2, 4134810.5, 27.2, 0.0);	(600263.6, 4134809.8, 27.0, 0.0);	(600256.2, 4134809.5, 27.0, 0.0);	(600241.6, 4134808.8, 26.8, 0.0);
(600234.2, 4134808.5, 26.6, 0.0);	(600219.6, 4134807.8, 26.5, 0.0);	(600204.9, 4134807.2, 26.4, 0.0);	(600197.6, 4134806.8, 26.4, 0.0);	(600182.9, 4134806.2, 26.3, 0.0);
(600190.2, 4134806.5, 26.3, 0.0);	(600292.2, 4134836.1, 27.1, 0.0);	(600277.4, 4134835.5, 27.0, 0.0);	(600270.0, 4134835.1, 27.0, 0.0);	(600255.2, 4134834.5, 26.9, 0.0);
(600262.6, 4134834.8, 26.9, 0.0);	(600247.8, 4134834.1, 26.6, 0.0);	(600233.0, 4134833.4, 26.4, 0.0);	(600225.6, 4134833.1, 26.4, 0.0);	(600210.8, 4134832.4, 26.3, 0.0);
(600218.2, 4134832.8, 26.3, 0.0);	(600203.4, 4134832.1, 26.2, 0.0);	(600188.6, 4134831.4, 26.2, 0.0);	(600181.2, 4134831.1, 26.2, 0.0);	(600196.0, 4134831.8, 26.2, 0.0);
(600173.8, 4134830.8, 26.4, 0.0);	(600261.6, 4134859.8, 26.5, 0.0);	(600246.7, 4134859.1, 26.5, 0.0);	(600239.2, 4134858.7, 26.5, 0.0);	(600269.1, 4134860.1, 26.4, 0.0);
(600231.8, 4134858.4, 26.4, 0.0);	(600216.9, 4134857.7, 26.3, 0.0);	(600201.9, 4134857.0, 26.1, 0.0);	(600224.3, 4134858.0, 26.4, 0.0);	(600209.4, 4134857.4, 26.3, 0.0);
(600187.0, 4134856.4, 26.0, 0.0);	(600172.1, 4134855.7, 25.8, 0.0);	(600187.0, 4134856.4, 26.1, 0.0);	(600179.5, 4134856.0, 26.0, 0.0);	(600194.5, 4134856.7, 26.1, 0.0);
(600172.1, 4134855.7, 25.8, 0.0);	(600253.1, 4134884.4, 26.0, 0.0);	(600172.1, 4134855.7, 25.9, 0.0);	(600164.6, 4134855.3, 25.8, 0.0);	(600164.6, 4134855.3, 25.8, 0.0);
(600238.1, 4134883.7, 26.0, 0.0);	(600223.1, 4134883.0, 26.0, 0.0);	(600238.1, 4134883.7, 26.0, 0.0);	(600223.1, 4134883.0, 26.0, 0.0);	(600245.6, 4134884.0, 26.0, 0.0);
(600208.0, 4134882.3, 25.9, 0.0);	(600193.0, 4134881.6, 25.9, 0.0);	(600208.0, 4134882.3, 26.0, 0.0);	(600193.0, 4134881.6, 25.9, 0.0);	(600230.6, 4134883.3, 26.0, 0.0);
(600193.0, 4134881.6, 25.9, 0.0);	(600185.5, 4134881.3, 25.8, 0.0);	(600208.0, 4134882.3, 26.0, 0.0);	(600185.5, 4134881.3, 25.8, 0.0);	(600215.5, 4134882.6, 26.0, 0.0);
(600193.0, 4134881.6, 25.9, 0.0);	(600185.5, 4134881.3, 25.8, 0.0);	(600208.0, 4134882.3, 26.0, 0.0);	(600185.5, 4134881.3, 25.8, 0.0);	(600200.5, 4134882.0, 25.9, 0.0);

25.8, 0.0);
 (600178.0, 4134880.9, 25.7, 25.7, 0.0); (600170.5, 4134880.6, 25.6,
 25.6, 0.0);

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
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**MODELOPTs: RegDFAULT CONC ELEV

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

(600162.9, 4134880.3, 25.6, 25.6, 0.0);	(600155.4, 4134879.9, 25.5,
25.5, 0.0);	
(600492.9, 4134784.8, 29.6, 29.6, 0.0);	(600497.7, 4134778.9, 29.5,
29.5, 0.0);	
(600502.5, 4134772.9, 29.5, 29.5, 0.0);	(600507.2, 4134767.0, 29.4,
29.4, 0.0);	
(600512.0, 4134761.0, 29.2, 29.2, 0.0);	(600516.8, 4134755.1, 29.0,
29.0, 0.0);	
(600521.5, 4134749.2, 28.8, 28.8, 0.0);	(600526.3, 4134743.2, 28.6,
28.6, 0.0);	
(600531.1, 4134737.3, 28.4, 28.4, 0.0);	(600535.8, 4134731.3, 28.4,
28.4, 0.0);	
(600540.6, 4134725.4, 28.4, 28.4, 0.0);	(600545.4, 4134719.5, 28.3,
28.3, 0.0);	
(600550.1, 4134713.5, 28.3, 28.3, 0.0);	(600554.9, 4134707.6, 28.3,
28.3, 0.0);	
(600559.6, 4134701.6, 28.2, 28.2, 0.0);	(600564.4, 4134695.7, 28.1,
28.1, 0.0);	
(600569.2, 4134689.8, 28.2, 28.2, 0.0);	(600573.9, 4134683.8, 28.2,
28.2, 0.0);	
(600284.8, 4134706.4, 27.6, 27.6, 0.0);	(600298.5, 4134750.3, 27.6,
27.6, 0.0);	
(600322.3, 4134768.7, 28.3, 28.3, 0.0);	(600266.3, 4134791.8, 27.2,
27.2, 0.0);	
(600272.2, 4134796.4, 27.3, 27.3, 0.0);	(600278.2, 4134801.0, 27.4,
27.4, 0.0);	
(600184.7, 4134761.7, 26.3, 26.3, 0.0);	(600202.6, 4134775.5, 26.5,
26.5, 0.0);	
(600226.4, 4134794.0, 26.8, 26.8, 0.0);	(600232.4, 4134798.6, 26.8,
26.8, 0.0);	
(600256.2, 4134817.1, 27.0, 27.0, 0.0);	(600262.1, 4134821.7, 27.1,
27.1, 0.0);	
(600268.1, 4134826.3, 27.2, 27.2, 0.0);	(600255.5, 4134443.2, 26.5,
26.5, 0.0);	
(600250.5, 4134450.2, 26.4, 26.4, 0.0);	(600234.2, 4134428.0, 26.5,
26.5, 0.0);	
(600229.2, 4134435.0, 26.6, 26.6, 0.0);	(600212.8, 4134412.7, 26.7,
26.7, 0.0);	
(600207.8, 4134419.7, 26.8, 26.8, 0.0);	(600295.2, 4134734.8, 27.5,
27.5, 0.0);	
(600288.2, 4134723.5, 27.5, 27.5, 0.0);	(600328.4, 4134784.0, 28.2,
28.2, 0.0);	
(600304.0, 4134795.6, 27.8, 27.8, 0.0);	(600241.5, 4134693.9, 27.1,
27.1, 0.0);	
(600247.5, 4134463.1, 26.4, 26.4, 0.0);	(600313.0, 4134805.2, 27.8,
27.8, 0.0);	
(600188.4, 4134609.4, 26.8, 26.8, 0.0);	(600212.6, 4134506.0, 26.6,
26.6, 0.0);	
(600215.6, 4134493.1, 26.7, 26.7, 0.0);	(600218.6, 4134480.2, 26.7,

26.7,	0.0);						
(600221.6,	4134467.3,	26.6,	26.6,	0.0);	(600224.6,	4134454.4,	26.6,
26.6,	0.0);						
(600292.1,	4134822.4,	27.5,	27.5,	0.0);	(600248.8,	4134798.4,	27.0,
27.0,	0.0);						
(600156.5,	4134639.4,	26.7,	26.7,	0.0);	(600159.5,	4134626.5,	26.8,
26.8,	0.0);						
(600162.5,	4134613.5,	26.8,	26.8,	0.0);	(600165.5,	4134600.6,	26.9,
26.9,	0.0);						
(600177.6,	4134548.9,	26.4,	26.4,	0.0);	(600180.6,	4134536.0,	26.4,
26.4,	0.0);						
(600183.6,	4134523.1,	26.5,	26.5,	0.0);	(600186.7,	4134510.2,	26.7,
26.7,	0.0);						
(600189.7,	4134497.2,	26.9,	26.9,	0.0);	(600192.7,	4134484.3,	27.0,
27.0,	0.0);						
(600195.7,	4134471.4,	27.0,	27.0,	0.0);	(600198.8,	4134458.5,	26.9,
26.9,	0.0);						
(600201.8,	4134445.6,	26.9,	26.9,	0.0);	(600204.8,	4134432.6,	26.8,
26.8,	0.0);						
(600276.6,	4134843.7,	26.8,	26.8,	0.0);	(600494.0,	4134792.4,	29.6,
29.6,	0.0);						
(600484.2,	4134805.2,	29.7,	29.7,	0.0);	(600494.0,	4134806.7,	29.4,
29.4,	0.0);						
(600484.3,	4134819.5,	29.5,	29.5,	0.0);	(600494.0,	4134821.0,	29.2,
29.2,	0.0);						
(600534.7,	4134711.4,	28.8,	28.8,	0.0);	(600542.7,	4134708.4,	28.6,
28.6,	0.0);						
(600528.1,	4134727.2,	28.6,	28.6,	0.0);	(600547.4,	4134737.0,	27.9,
27.9,	0.0);						
(600539.2,	4134738.9,	28.2,	28.2,	0.0);	(600514.5,	4134744.7,	28.9,
28.9,	0.0);						
(600555.5,	4134734.0,	27.7,	27.7,	0.0);	(600553.6,	4134749.8,	27.9,
27.9,	0.0);						
(600545.1,	4134751.8,	28.1,	28.1,	0.0);	(600536.6,	4134753.8,	28.4,
28.4,	0.0);						
(600528.1,	4134755.8,	28.7,	28.7,	0.0);	(600561.9,	4134746.8,	27.6,
27.6,	0.0);						
(600560.1,	4134762.5,	27.8,	27.8,	0.0);	(600551.9,	4134764.5,	28.1,
28.1,	0.0);						
(600543.6,	4134766.4,	28.3,	28.3,	0.0);	(600535.3,	4134768.4,	28.6,
28.6,	0.0);						

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

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*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600527.1,	4134770.3,	28.8,	28.8,	0.0);	(600518.8,	4134772.3,	29.0,
29.0,	0.0);						
(600510.5,	4134774.2,	29.3,	29.3,	0.0);	(600568.3,	4134759.5,	27.6,
27.6,	0.0);						
(600566.4,	4134775.3,	27.6,	27.6,	0.0);	(600557.9,	4134777.3,	27.8,
27.8,	0.0);						
(600549.4,	4134779.4,	28.0,	28.0,	0.0);	(600540.9,	4134781.4,	28.3,
28.3,	0.0);						
(600532.3,	4134783.4,	28.5,	28.5,	0.0);	(600523.8,	4134785.4,	28.7,
28.7,	0.0);						
(600515.3,	4134787.4,	29.0,	29.0,	0.0);	(600506.8,	4134789.4,	29.2,

29.2, (600574.7, 4134772.3, 27.4, 0.0);	27.5, 27.5, 0.0);	27.5, 27.5, 0.0);	27.5, 27.5, 0.0);	(600572.9, 4134788.1, 27.4,
(600564.6, 4134790.0, 27.7, 0.0);	27.5, 27.5, 0.0);	27.5, 27.5, 0.0);	27.5, 27.5, 0.0);	(600556.3, 4134792.0, 27.7,
(600548.0, 4134794.0, 28.2, 0.0);	27.9, 27.9, 0.0);	27.9, 27.9, 0.0);	27.9, 27.9, 0.0);	(600539.7, 4134795.9, 28.2,
(600531.4, 4134797.9, 28.6, 0.0);	28.4, 28.4, 0.0);	28.4, 28.4, 0.0);	28.4, 28.4, 0.0);	(600523.1, 4134799.8, 28.6,
(600514.8, 4134801.8, 29.1, 0.0);	28.9, 28.9, 0.0);	28.9, 28.9, 0.0);	28.9, 28.9, 0.0);	(600506.5, 4134803.8, 29.1,
(600581.1, 4134785.1, 27.1, 0.0);	27.2, 27.2, 0.0);	27.2, 27.2, 0.0);	27.2, 27.2, 0.0);	(600579.2, 4134800.9, 27.1,
(600570.7, 4134802.9, 27.5, 0.0);	27.3, 27.3, 0.0);	27.3, 27.3, 0.0);	27.3, 27.3, 0.0);	(600562.2, 4134804.9, 27.5,
(600553.6, 4134806.9, 28.0, 0.0);	27.7, 27.7, 0.0);	27.7, 27.7, 0.0);	27.7, 27.7, 0.0);	(600545.1, 4134808.9, 28.0,
(600536.6, 4134810.9, 28.5, 0.0);	28.2, 28.2, 0.0);	28.2, 28.2, 0.0);	28.2, 28.2, 0.0);	(600528.1, 4134813.0, 28.5,
(600519.6, 4134815.0, 28.9, 0.0);	28.7, 28.7, 0.0);	28.7, 28.7, 0.0);	28.7, 28.7, 0.0);	(600511.0, 4134817.0, 28.9,
(600502.5, 4134819.0, 26.9, 0.0);	29.1, 29.1, 0.0);	29.1, 29.1, 0.0);	29.1, 29.1, 0.0);	(600587.4, 4134797.9, 26.9,
(600591.0, 4134824.4, 27.2, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600582.5, 4134826.3, 27.2,
(600574.1, 4134828.3, 27.4, 0.0);	27.3, 27.3, 0.0);	27.3, 27.3, 0.0);	27.3, 27.3, 0.0);	(600565.7, 4134830.3, 27.4,
(600557.2, 4134832.3, 27.8, 0.0);	27.6, 27.6, 0.0);	27.6, 27.6, 0.0);	27.6, 27.6, 0.0);	(600548.8, 4134834.3, 27.8,
(600540.4, 4134836.3, 28.2, 0.0);	28.1, 28.1, 0.0);	28.1, 28.1, 0.0);	28.1, 28.1, 0.0);	(600531.9, 4134838.3, 28.2,
(600523.5, 4134840.3, 28.5, 0.0);	28.4, 28.4, 0.0);	28.4, 28.4, 0.0);	28.4, 28.4, 0.0);	(600515.1, 4134842.3, 28.5,
(600506.7, 4134844.3, 26.9, 0.0);	28.5, 28.5, 0.0);	28.5, 28.5, 0.0);	28.5, 28.5, 0.0);	(600599.2, 4134821.4, 26.9,
(600602.6, 4134847.9, 26.9, 0.0);	26.7, 26.7, 0.0);	26.7, 26.7, 0.0);	26.7, 26.7, 0.0);	(600593.9, 4134849.9, 26.9,
(600585.2, 4134852.0, 27.2, 0.0);	27.0, 27.0, 0.0);	27.0, 27.0, 0.0);	27.0, 27.0, 0.0);	(600576.5, 4134854.0, 27.2,
(600567.8, 4134856.1, 27.5, 0.0);	27.3, 27.3, 0.0);	27.3, 27.3, 0.0);	27.3, 27.3, 0.0);	(600559.2, 4134858.1, 27.5,
(600550.5, 4134860.2, 27.8, 0.0);	27.7, 27.7, 0.0);	27.7, 27.7, 0.0);	27.7, 27.7, 0.0);	(600541.8, 4134862.2, 27.8,
(600533.1, 4134864.3, 26.6, 0.0);	27.9, 27.9, 0.0);	27.9, 27.9, 0.0);	27.9, 27.9, 0.0);	(600610.9, 4134844.8, 26.6,
(600614.4, 4134871.3, 26.6, 0.0);	26.4, 26.4, 0.0);	26.4, 26.4, 0.0);	26.4, 26.4, 0.0);	(600605.8, 4134873.4, 26.6,
(600597.2, 4134875.4, 26.9, 0.0);	26.7, 26.7, 0.0);	26.7, 26.7, 0.0);	26.7, 26.7, 0.0);	(600588.6, 4134877.4, 26.9,
(600580.0, 4134879.4, 27.3, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600571.4, 4134881.5, 27.3,
(600562.8, 4134883.5, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600554.2, 4134885.5, 27.4,
(600622.7, 4134868.3, 26.3, 0.0);	26.2, 26.2, 0.0);	26.2, 26.2, 0.0);	26.2, 26.2, 0.0);	(600626.1, 4134894.8, 26.3,
(600617.6, 4134896.8, 26.6, 0.0);	26.4, 26.4, 0.0);	26.4, 26.4, 0.0);	26.4, 26.4, 0.0);	(600609.1, 4134898.8, 26.6,
(600600.6, 4134900.8, 26.8, 0.0);	26.7, 26.7, 0.0);	26.7, 26.7, 0.0);	26.7, 26.7, 0.0);	(600592.0, 4134902.9, 26.8,
(600583.5, 4134904.9, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600575.0, 4134906.9, 26.9,
(600634.4, 4134891.8, 27.7, 0.0);	26.1, 26.1, 0.0);	26.1, 26.1, 0.0);	26.1, 26.1, 0.0);	(600572.6, 4134652.2, 27.7,
(600573.3, 4134662.5, 27.9,	27.9, 27.9, 0.0);	27.9, 27.9, 0.0);	27.9, 27.9, 0.0);	(600578.1, 4134656.8, 27.8,

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27.8,      0.0);
( 600582.8, 4134651.1,      27.7,      27.7,      0.0);      ( 600587.6, 4134645.4,      27.7,
27.7,      0.0);
( 600592.3, 4134639.7,      27.5,      27.5,      0.0);      ( 600597.1, 4134634.0,      27.4,
27.4,      0.0);
( 600601.8, 4134628.3,      27.3,      27.3,      0.0);      ( 600606.6, 4134622.6,      27.2,
27.2,      0.0);
( 600611.3, 4134617.0,      27.2,      27.2,      0.0);      ( 600616.1, 4134611.3,      27.2,
27.2,      0.0);
( 600620.8, 4134605.6,      27.3,      27.3,      0.0);      ( 600625.6, 4134599.9,      27.3,
27.3,      0.0);
( 600630.3, 4134594.2,      27.3,      27.3,      0.0);      ( 600635.1, 4134588.5,      27.3,
27.3,      0.0);
( 600639.8, 4134582.8,      27.3,      27.3,      0.0);      ( 600643.3, 4134682.4,      28.3,
28.3,      0.0);
    
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*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION
 01/05/16

*** AERMET - VERSION 15181 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV

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

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( 600554.4, 4134690.3,      28.3,      28.3,      0.0);      ( 600574.1, 4134672.8,      28.2,
28.2,      0.0);
( 600578.8, 4134667.1,      28.0,      28.0,      0.0);      ( 600583.6, 4134661.4,      27.9,
27.9,      0.0);
( 600588.3, 4134655.7,      27.8,      27.8,      0.0);      ( 600593.1, 4134650.0,      27.8,
27.8,      0.0);
( 600597.8, 4134644.3,      27.7,      27.7,      0.0);      ( 600602.6, 4134638.6,      27.6,
27.6,      0.0);
( 600607.3, 4134632.9,      27.4,      27.4,      0.0);      ( 600612.1, 4134627.2,      27.4,
27.4,      0.0);
( 600616.8, 4134621.5,      27.4,      27.4,      0.0);      ( 600621.6, 4134615.8,      27.4,
27.4,      0.0);
( 600626.3, 4134610.1,      27.4,      27.4,      0.0);      ( 600631.1, 4134604.4,      27.3,
27.3,      0.0);
( 600635.8, 4134598.8,      27.3,      27.3,      0.0);      ( 600640.6, 4134593.1,      27.3,
27.3,      0.0);
( 600645.3, 4134587.4,      27.4,      27.4,      0.0);      ( 600650.1, 4134581.7,      27.4,
27.4,      0.0);
( 600654.8, 4134576.0,      27.3,      27.3,      0.0);      ( 600659.6, 4134570.3,      27.3,
27.3,      0.0);
( 600664.3, 4134564.6,      27.3,      27.3,      0.0);      ( 600669.1, 4134558.9,      27.3,
27.3,      0.0);
( 600673.8, 4134553.2,      27.3,      27.3,      0.0);      ( 600678.6, 4134547.5,      27.3,
27.3,      0.0);
( 600683.3, 4134541.8,      27.3,      27.3,      0.0);      ( 600688.1, 4134536.1,      27.3,
27.3,      0.0);
( 600692.8, 4134530.4,      27.2,      27.2,      0.0);      ( 600697.6, 4134524.7,      27.3,
27.3,      0.0);
( 600702.3, 4134519.0,      27.2,      27.2,      0.0);      ( 600707.1, 4134513.3,      27.2,
27.2,      0.0);
( 600711.8, 4134507.6,      27.2,      27.2,      0.0);      ( 600716.6, 4134501.9,      27.2,
27.2,      0.0);
( 600721.3, 4134496.3,      27.2,      27.2,      0.0);      ( 600579.5, 4134677.4,      28.2,
28.2,      0.0);
( 600584.3, 4134671.7,      28.1,      28.1,      0.0);      ( 600589.0, 4134666.0,      27.9,
27.9,      0.0);
( 600593.8, 4134660.3,      27.9,      27.9,      0.0);      ( 600598.5, 4134654.6,      27.8,
27.8,      0.0);
    
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27.8,	0.0);						
(600603.3,	4134648.9,	27.8,	27.8,	0.0);	(600608.0,	4134643.2,	27.7,
27.7,	0.0);						
(600612.8,	4134637.5,	27.6,	27.6,	0.0);	(600617.5,	4134631.8,	27.5,
27.5,	0.0);						
(600622.3,	4134626.1,	27.5,	27.5,	0.0);	(600627.0,	4134620.4,	27.5,
27.5,	0.0);						
(600631.8,	4134614.7,	27.4,	27.4,	0.0);	(600636.5,	4134609.0,	27.4,
27.4,	0.0);						
(600641.3,	4134603.3,	27.4,	27.4,	0.0);	(600646.0,	4134597.6,	27.4,
27.4,	0.0);						
(600650.8,	4134591.9,	27.4,	27.4,	0.0);	(600655.5,	4134586.2,	27.4,
27.4,	0.0);						
(600660.3,	4134580.6,	27.4,	27.4,	0.0);	(600665.0,	4134574.9,	27.4,
27.4,	0.0);						
(600669.8,	4134569.2,	27.4,	27.4,	0.0);	(600674.5,	4134563.5,	27.4,
27.4,	0.0);						
(600679.3,	4134557.8,	27.4,	27.4,	0.0);	(600684.0,	4134552.1,	27.4,
27.4,	0.0);						
(600688.8,	4134546.4,	27.4,	27.4,	0.0);	(600693.5,	4134540.7,	27.3,
27.3,	0.0);						
(600698.3,	4134535.0,	27.3,	27.3,	0.0);	(600703.0,	4134529.3,	27.3,
27.3,	0.0);						
(600707.8,	4134523.6,	27.4,	27.4,	0.0);	(600712.5,	4134517.9,	27.3,
27.3,	0.0);						
(600717.3,	4134512.2,	27.3,	27.3,	0.0);	(600722.0,	4134506.5,	27.3,
27.3,	0.0);						
(600726.8,	4134500.8,	27.3,	27.3,	0.0);	(600731.5,	4134495.1,	27.3,
27.3,	0.0);						
(600736.3,	4134489.4,	27.3,	27.3,	0.0);	(600741.0,	4134483.8,	27.3,
27.3,	0.0);						
(600745.8,	4134478.1,	27.2,	27.2,	0.0);	(600580.5,	4134696.3,	28.0,
28.0,	0.0);						
(600570.1,	4134704.6,	28.0,	28.0,	0.0);	(600559.6,	4134712.9,	28.0,
28.0,	0.0);						
(600590.5,	4134686.5,	28.0,	28.0,	0.0);	(600595.3,	4134680.8,	28.0,
28.0,	0.0);						
(600600.0,	4134675.1,	28.0,	28.0,	0.0);	(600604.8,	4134669.4,	28.0,
28.0,	0.0);						
(600609.5,	4134663.7,	27.9,	27.9,	0.0);	(600614.3,	4134658.0,	27.9,
27.9,	0.0);						
(600619.0,	4134652.3,	27.8,	27.8,	0.0);	(600623.8,	4134646.6,	27.7,
27.7,	0.0);						
(600628.5,	4134641.0,	27.6,	27.6,	0.0);	(600633.3,	4134635.3,	27.6,
27.6,	0.0);						
(600638.0,	4134629.6,	27.5,	27.5,	0.0);	(600642.8,	4134623.9,	27.5,
27.5,	0.0);						
(600647.5,	4134618.2,	27.4,	27.4,	0.0);	(600652.3,	4134612.5,	27.4,
27.4,	0.0);						
(600657.0,	4134606.8,	27.4,	27.4,	0.0);	(600661.8,	4134601.1,	27.4,
27.4,	0.0);						
(600666.5,	4134595.4,	27.4,	27.4,	0.0);	(600671.3,	4134589.7,	27.4,
27.4,	0.0);						

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*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

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

(METERS)
A-1227

(600676.0, 4134584.0, 27.4, 27.4, 0.0);	(600680.8, 4134578.3, 27.4,
27.4, 0.0);	
(600685.5, 4134572.6, 27.4, 27.4, 0.0);	(600690.3, 4134566.9, 27.4,
27.4, 0.0);	
(600695.0, 4134561.2, 27.4, 27.4, 0.0);	(600699.8, 4134555.5, 27.4,
27.4, 0.0);	
(600704.5, 4134549.8, 27.4, 27.4, 0.0);	(600709.3, 4134544.1, 27.4,
27.4, 0.0);	
(600714.0, 4134538.5, 27.4, 27.4, 0.0);	(600718.8, 4134532.8, 27.4,
27.4, 0.0);	
(600723.5, 4134527.1, 27.4, 27.4, 0.0);	(600728.3, 4134521.4, 27.4,
27.4, 0.0);	
(600733.0, 4134515.7, 27.4, 27.4, 0.0);	(600737.8, 4134510.0, 27.4,
27.4, 0.0);	
(600742.5, 4134504.3, 27.4, 27.4, 0.0);	(600747.3, 4134498.6, 27.4,
27.4, 0.0);	
(600752.0, 4134492.9, 27.4, 27.4, 0.0);	(600756.8, 4134487.2, 27.3,
27.3, 0.0);	
(600591.6, 4134705.4, 27.8, 27.8, 0.0);	(600581.3, 4134713.6, 27.8,
27.8, 0.0);	
(600571.0, 4134721.8, 27.7, 27.7, 0.0);	(600601.5, 4134695.7, 27.9,
27.9, 0.0);	
(600606.2, 4134690.0, 27.9, 27.9, 0.0);	(600611.0, 4134684.3, 28.0,
28.0, 0.0);	
(600615.7, 4134678.6, 28.0, 28.0, 0.0);	(600620.5, 4134672.9, 28.0,
28.0, 0.0);	
(600625.2, 4134667.2, 27.9, 27.9, 0.0);	(600630.0, 4134661.5, 27.8,
27.8, 0.0);	
(600634.7, 4134655.8, 27.7, 27.7, 0.0);	(600639.5, 4134650.1, 27.6,
27.6, 0.0);	
(600644.2, 4134644.4, 27.5, 27.5, 0.0);	(600649.0, 4134638.7, 27.5,
27.5, 0.0);	
(600653.7, 4134633.0, 27.4, 27.4, 0.0);	(600658.5, 4134627.3, 27.4,
27.4, 0.0);	
(600663.2, 4134621.6, 27.4, 27.4, 0.0);	(600668.0, 4134615.9, 27.4,
27.4, 0.0);	
(600672.7, 4134610.2, 27.4, 27.4, 0.0);	(600677.5, 4134604.5, 27.4,
27.4, 0.0);	
(600682.2, 4134598.9, 27.4, 27.4, 0.0);	(600687.0, 4134593.2, 27.4,
27.4, 0.0);	
(600691.7, 4134587.5, 27.4, 27.4, 0.0);	(600696.5, 4134581.8, 27.3,
27.3, 0.0);	
(600701.2, 4134576.1, 27.3, 27.3, 0.0);	(600706.0, 4134570.4, 27.3,
27.3, 0.0);	
(600710.7, 4134564.7, 27.4, 27.4, 0.0);	(600715.5, 4134559.0, 27.4,
27.4, 0.0);	
(600720.2, 4134553.3, 27.4, 27.4, 0.0);	(600725.0, 4134547.6, 27.4,
27.4, 0.0);	
(600729.7, 4134541.9, 27.4, 27.4, 0.0);	(600734.5, 4134536.2, 27.4,
27.4, 0.0);	
(600739.2, 4134530.5, 27.4, 27.4, 0.0);	(600744.0, 4134524.8, 27.4,
27.4, 0.0);	
(600748.7, 4134519.1, 27.4, 27.4, 0.0);	(600753.5, 4134513.4, 27.4,
27.4, 0.0);	
(600758.2, 4134507.8, 27.4, 27.4, 0.0);	(600763.0, 4134502.0, 27.4,
27.4, 0.0);	
(600767.7, 4134496.4, 27.4, 27.4, 0.0);	(600602.0, 4134715.0, 27.7,
27.7, 0.0);	
(600596.2, 4134719.6, 27.6, 27.6, 0.0);	(600590.5, 4134724.1, 27.6,
27.6, 0.0);	
(600584.8, 4134728.6, 27.5, 27.5, 0.0);	(600579.1, 4134733.2, 27.5,
27.5, 0.0);	
(600573.3, 4134737.7, 27.4, 27.4, 0.0);	(600567.6, 4134742.2, 27.5,

27.5,	0.0);						
(600607.7,	4134710.5,	27.7,	27.7,	0.0);	(600612.5,	4134704.8,	27.8,
27.8,	0.0);						
(600617.2,	4134699.1,	27.8,	27.8,	0.0);	(600622.0,	4134693.4,	27.9,
27.9,	0.0);						
(600626.7,	4134687.7,	27.9,	27.9,	0.0);	(600631.5,	4134682.0,	27.8,
27.8,	0.0);						
(600636.2,	4134676.3,	27.8,	27.8,	0.0);	(600641.0,	4134670.6,	27.7,
27.7,	0.0);						
(600645.7,	4134664.9,	27.6,	27.6,	0.0);	(600650.5,	4134659.3,	27.5,
27.5,	0.0);						
(600655.2,	4134653.6,	27.4,	27.4,	0.0);	(600660.0,	4134647.9,	27.4,
27.4,	0.0);						
(600664.7,	4134642.2,	27.4,	27.4,	0.0);	(600669.5,	4134636.5,	27.4,
27.4,	0.0);						
(600674.2,	4134630.8,	27.4,	27.4,	0.0);	(600679.0,	4134625.1,	27.4,
27.4,	0.0);						
(600683.7,	4134619.4,	27.4,	27.4,	0.0);	(600688.5,	4134613.7,	27.4,
27.4,	0.0);						
(600693.2,	4134608.0,	27.3,	27.3,	0.0);	(600698.0,	4134602.3,	27.3,
27.3,	0.0);						
(600702.7,	4134596.6,	27.2,	27.2,	0.0);	(600707.5,	4134590.9,	27.2,
27.2,	0.0);						
(600712.2,	4134585.2,	27.2,	27.2,	0.0);	(600717.0,	4134579.5,	27.2,
27.2,	0.0);						
(600721.7,	4134573.8,	27.3,	27.3,	0.0);	(600726.5,	4134568.1,	27.3,
27.3,	0.0);						

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600731.2,	4134562.4,	27.4,	27.4,	0.0);	(600736.0,	4134556.8,	27.4,
27.4,	0.0);						
(600740.7,	4134551.1,	27.4,	27.4,	0.0);	(600745.5,	4134545.4,	27.4,
27.4,	0.0);						
(600750.2,	4134539.7,	27.4,	27.4,	0.0);	(600755.0,	4134534.0,	27.3,
27.3,	0.0);						
(600759.7,	4134528.3,	27.3,	27.3,	0.0);	(600764.5,	4134522.6,	27.2,
27.2,	0.0);						
(600769.2,	4134516.9,	27.2,	27.2,	0.0);	(600774.0,	4134511.2,	27.3,
27.3,	0.0);						
(600778.7,	4134505.5,	27.3,	27.3,	0.0);	(600613.1,	4134724.1,	27.6,
27.6,	0.0);						
(600607.5,	4134728.5,	27.5,	27.5,	0.0);	(600601.9,	4134733.0,	27.5,
27.5,	0.0);						
(600596.3,	4134737.4,	27.4,	27.4,	0.0);	(600590.7,	4134741.8,	27.4,
27.4,	0.0);						
(600585.1,	4134746.2,	27.5,	27.5,	0.0);	(600579.5,	4134750.7,	27.5,
27.5,	0.0);						
(600573.9,	4134755.1,	27.6,	27.6,	0.0);	(600618.7,	4134719.7,	27.6,
27.6,	0.0);						
(600623.4,	4134714.0,	27.7,	27.7,	0.0);	(600628.2,	4134708.3,	27.7,
27.7,	0.0);						
(600632.9,	4134702.6,	27.7,	27.7,	0.0);	(600637.7,	4134696.9,	27.6,
27.6,	0.0);						
(600642.4,	4134691.2,	27.6,	27.6,	0.0);	(600647.2,	4134685.5,	27.5,

27.5, (600651.9, 4134679.8, 27.4, 0.0);	27.5, 27.5, 0.0);	(600656.7, 4134674.1, 27.4,
(600661.4, 4134668.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600666.2, 4134662.7, 27.4,
(600670.9, 4134657.0, 27.4, 0.0);	27.4, 27.4, 0.0);	(600675.7, 4134651.3, 27.4,
(600680.4, 4134645.6, 27.4, 0.0);	27.4, 27.4, 0.0);	(600685.2, 4134639.9, 27.4,
(600689.9, 4134634.2, 27.3, 0.0);	27.4, 27.4, 0.0);	(600694.7, 4134628.5, 27.3,
(600699.4, 4134622.8, 27.2, 0.0);	27.3, 27.3, 0.0);	(600704.2, 4134617.2, 27.2,
(600708.9, 4134611.5, 27.1, 0.0);	27.2, 27.2, 0.0);	(600713.7, 4134605.8, 27.1,
(600718.4, 4134600.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600723.2, 4134594.4, 27.1,
(600727.9, 4134588.7, 27.2, 0.0);	27.1, 27.1, 0.0);	(600732.7, 4134583.0, 27.2,
(600737.4, 4134577.3, 27.3, 0.0);	27.2, 27.2, 0.0);	(600742.2, 4134571.6, 27.3,
(600746.9, 4134565.9, 27.3, 0.0);	27.3, 27.3, 0.0);	(600751.7, 4134560.2, 27.3,
(600756.4, 4134554.5, 27.2, 0.0);	27.3, 27.3, 0.0);	(600761.2, 4134548.8, 27.2,
(600765.9, 4134543.1, 27.2, 0.0);	27.2, 27.2, 0.0);	(600770.7, 4134537.4, 27.2,
(600775.4, 4134531.7, 27.1, 0.0);	27.1, 27.1, 0.0);	(600780.2, 4134526.0, 27.1,
(600784.9, 4134520.3, 27.2, 0.0);	27.2, 27.2, 0.0);	(600789.7, 4134514.7, 27.2,
(600624.1, 4134733.2, 27.4, 0.0);	27.4, 27.4, 0.0);	(600618.7, 4134737.5, 27.4,
(600613.2, 4134741.9, 27.4, 0.0);	27.4, 27.4, 0.0);	(600607.7, 4134746.2, 27.4,
(600602.2, 4134750.6, 27.4, 0.0);	27.4, 27.4, 0.0);	(600596.7, 4134754.9, 27.4,
(600591.2, 4134759.3, 27.5, 0.0);	27.4, 27.4, 0.0);	(600585.7, 4134763.6, 27.5,
(600580.2, 4134768.0, 27.4, 0.0);	27.5, 27.5, 0.0);	(600629.6, 4134728.8, 27.4,
(600634.4, 4134723.1, 27.4, 0.0);	27.4, 27.4, 0.0);	(600639.1, 4134717.4, 27.4,
(600643.9, 4134711.7, 27.5, 0.0);	27.4, 27.4, 0.0);	(600648.6, 4134706.0, 27.5,
(600653.4, 4134700.3, 27.4, 0.0);	27.4, 27.4, 0.0);	(600658.1, 4134694.6, 27.4,
(600662.9, 4134688.9, 27.4, 0.0);	27.4, 27.4, 0.0);	(600667.6, 4134683.2, 27.4,
(600672.4, 4134677.6, 27.4, 0.0);	27.4, 27.4, 0.0);	(600677.1, 4134671.9, 27.4,
(600681.9, 4134666.2, 27.4, 0.0);	27.4, 27.4, 0.0);	(600686.6, 4134660.5, 27.4,
(600691.4, 4134654.8, 27.3, 0.0);	27.4, 27.4, 0.0);	(600696.1, 4134649.1, 27.3,
(600700.9, 4134643.4, 27.2, 0.0);	27.2, 27.2, 0.0);	(600705.6, 4134637.7, 27.2,
(600710.4, 4134632.0, 27.1, 0.0);	27.2, 27.2, 0.0);	(600715.1, 4134626.3, 27.1,
(600719.9, 4134620.6, 27.0, 0.0);	27.1, 27.1, 0.0);	(600724.6, 4134614.9, 27.0,
(600729.4, 4134609.2, 27.0, 0.0);	27.0, 27.0, 0.0);	(600734.1, 4134603.5, 27.0,
(600738.9, 4134597.8, 27.0, 0.0);	27.0, 27.0, 0.0);	(600743.6, 4134592.1, 27.1,

27.1, 0.0);

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600748.4, 4134586.4,	27.1,	27.1,	0.0);	(600753.1, 4134580.8,	27.1,
27.1,	0.0);				
(600757.9, 4134575.1,	27.1,	27.1,	0.0);	(600762.6, 4134569.4,	27.1,
27.1,	0.0);				
(600767.4, 4134563.7,	27.1,	27.1,	0.0);	(600772.1, 4134558.0,	27.1,
27.1,	0.0);				
(600776.9, 4134552.3,	27.1,	27.1,	0.0);	(600781.6, 4134546.6,	27.1,
27.1,	0.0);				
(600786.4, 4134540.9,	27.1,	27.1,	0.0);	(600791.1, 4134535.2,	27.1,
27.1,	0.0);				
(600795.9, 4134529.5,	27.1,	27.1,	0.0);	(600800.6, 4134523.8,	27.2,
27.2,	0.0);				
(600635.2, 4134742.2,	27.2,	27.2,	0.0);	(600624.4, 4134750.8,	27.4,
27.4,	0.0);				
(600619.0, 4134755.1,	27.4,	27.4,	0.0);	(600613.5, 4134759.4,	27.4,
27.4,	0.0);				
(600608.1, 4134763.7,	27.4,	27.4,	0.0);	(600602.7, 4134768.0,	27.4,
27.4,	0.0);				
(600591.9, 4134776.5,	27.2,	27.2,	0.0);	(600640.6, 4134738.0,	27.1,
27.1,	0.0);				
(600645.4, 4134732.3,	27.1,	27.1,	0.0);	(600650.1, 4134726.6,	27.1,
27.1,	0.0);				
(600654.9, 4134720.9,	27.1,	27.1,	0.0);	(600659.6, 4134715.2,	27.2,
27.2,	0.0);				
(600664.4, 4134709.5,	27.3,	27.3,	0.0);	(600669.1, 4134703.8,	27.3,
27.3,	0.0);				
(600673.9, 4134698.1,	27.3,	27.3,	0.0);	(600678.6, 4134692.4,	27.3,
27.3,	0.0);				
(600683.4, 4134686.7,	27.3,	27.3,	0.0);	(600688.1, 4134681.0,	27.3,
27.3,	0.0);				
(600692.9, 4134675.3,	27.3,	27.3,	0.0);	(600697.6, 4134669.6,	27.3,
27.3,	0.0);				
(600702.4, 4134663.9,	27.2,	27.2,	0.0);	(600707.1, 4134658.2,	27.2,
27.2,	0.0);				
(600711.9, 4134652.5,	27.1,	27.1,	0.0);	(600716.6, 4134646.8,	27.1,
27.1,	0.0);				
(600721.4, 4134641.1,	27.0,	27.0,	0.0);	(600726.1, 4134635.5,	27.0,
27.0,	0.0);				
(600730.9, 4134629.8,	26.9,	26.9,	0.0);	(600735.6, 4134624.1,	26.9,
26.9,	0.0);				
(600740.4, 4134618.4,	26.9,	26.9,	0.0);	(600745.1, 4134612.7,	26.8,
26.8,	0.0);				
(600749.9, 4134607.0,	26.9,	26.9,	0.0);	(600754.6, 4134601.3,	26.9,
26.9,	0.0);				
(600759.4, 4134595.6,	26.9,	26.9,	0.0);	(600764.1, 4134589.9,	26.9,
26.9,	0.0);				
(600768.9, 4134584.2,	26.9,	26.9,	0.0);	(600773.6, 4134578.5,	26.9,
26.9,	0.0);				
(600778.4, 4134572.8,	26.9,	26.9,	0.0);	(600783.1, 4134567.1,	26.9,
26.9,	0.0);				
(600787.9, 4134561.4,	26.9,	26.9,	0.0);	(600792.6, 4134555.7,	26.9,

26.9,	0.0);						
(600797.4,	4134550.0,	26.9,	26.9,	0.0);	(600802.1,	4134544.3,	26.9,
26.9,	0.0);						
(600806.9,	4134538.6,	27.0,	27.0,	0.0);	(600811.6,	4134533.0,	27.1,
27.1,	0.0);						
(600646.2,	4134751.3,	27.0,	27.0,	0.0);	(600635.6,	4134759.8,	27.2,
27.2,	0.0);						
(600624.9,	4134768.3,	27.3,	27.3,	0.0);	(600614.2,	4134776.7,	27.0,
27.0,	0.0);						
(600603.5,	4134785.2,	26.9,	26.9,	0.0);	(600656.3,	4134741.4,	26.8,
26.8,	0.0);						
(600661.1,	4134735.7,	26.8,	26.8,	0.0);	(600665.8,	4134730.0,	26.8,
26.8,	0.0);						
(600670.6,	4134724.3,	26.9,	26.9,	0.0);	(600675.3,	4134718.6,	27.0,
27.0,	0.0);						
(600680.1,	4134712.9,	27.0,	27.0,	0.0);	(600684.8,	4134707.2,	27.1,
27.1,	0.0);						
(600689.6,	4134701.5,	27.1,	27.1,	0.0);	(600694.3,	4134695.9,	27.1,
27.1,	0.0);						
(600699.1,	4134690.2,	27.1,	27.1,	0.0);	(600703.8,	4134684.5,	27.1,
27.1,	0.0);						
(600708.6,	4134678.8,	27.2,	27.2,	0.0);	(600713.3,	4134673.1,	27.1,
27.1,	0.0);						
(600718.1,	4134667.4,	27.1,	27.1,	0.0);	(600722.8,	4134661.7,	27.0,
27.0,	0.0);						
(600727.6,	4134656.0,	27.0,	27.0,	0.0);	(600732.3,	4134650.3,	26.9,
26.9,	0.0);						
(600737.1,	4134644.6,	26.9,	26.9,	0.0);	(600741.8,	4134638.9,	26.8,
26.8,	0.0);						
(600746.6,	4134633.2,	26.8,	26.8,	0.0);	(600751.3,	4134627.5,	26.8,
26.8,	0.0);						
(600756.1,	4134621.8,	26.7,	26.7,	0.0);	(600760.8,	4134616.1,	26.7,
26.7,	0.0);						
(600765.6,	4134610.4,	26.7,	26.7,	0.0);	(600770.3,	4134604.8,	26.7,
26.7,	0.0);						
(600775.1,	4134599.0,	26.7,	26.7,	0.0);	(600779.8,	4134593.4,	26.8,
26.8,	0.0);						
(600784.6,	4134587.7,	26.8,	26.8,	0.0);	(600789.3,	4134582.0,	26.8,
26.8,	0.0);						

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*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFault CONC ELEV

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

(600794.1,	4134576.3,	26.9,	26.9,	0.0);	(600798.8,	4134570.6,	26.9,
26.9,	0.0);						
(600803.6,	4134564.9,	26.8,	26.8,	0.0);	(600808.3,	4134559.2,	26.8,
26.8,	0.0);						
(600813.1,	4134553.5,	26.9,	26.9,	0.0);	(600817.8,	4134547.8,	26.9,
26.9,	0.0);						
(600822.6,	4134542.1,	27.0,	27.0,	0.0);	(600666.2,	4134768.3,	26.6,
26.6,	0.0);						
(600660.6,	4134772.8,	26.6,	26.6,	0.0);	(600655.0,	4134777.2,	26.5,
26.5,	0.0);						
(600649.4,	4134781.6,	26.4,	26.4,	0.0);	(600643.8,	4134786.0,	26.3,
26.3,	0.0);						
(600638.2,	4134790.4,	26.2,	26.2,	0.0);	(600632.7,	4134794.8,	26.0,

26.0, (600627.1, 4134799.3, 26.1, 0.0); (600615.9, 4134808.1, 26.6, 0.0); (600604.8, 4134816.9, 26.6, 0.0); (600676.5, 4134758.2, 26.5, 0.0); (600686.0, 4134746.8, 26.4, 0.0); (600695.5, 4134735.4, 26.5, 0.0); (600705.0, 4134724.1, 26.6, 0.0); (600714.5, 4134712.7, 26.8, 0.0); (600724.0, 4134701.3, 26.9, 0.0); (600733.5, 4134689.9, 26.9, 0.0); (600743.0, 4134678.5, 26.8, 0.0); (600752.5, 4134667.1, 26.8, 0.0); (600762.0, 4134655.7, 26.8, 0.0); (600771.5, 4134644.3, 26.7, 0.0); (600781.0, 4134632.9, 26.6, 0.0); (600790.5, 4134621.6, 26.5, 0.0); (600800.0, 4134610.2, 26.7, 0.0); (600809.5, 4134598.8, 26.8, 0.0); (600819.0, 4134587.4, 26.8, 0.0); (600828.5, 4134576.0, 26.8, 0.0); (600838.0, 4134564.6, 26.8, 0.0); (600686.1, 4134785.3, 26.1, 0.0); (600674.6, 4134794.5, 25.9, 0.0); (600663.0, 4134803.6, 26.0, 0.0); (600651.4, 4134812.8, 26.2, 0.0); (600639.8, 4134821.9, 26.4, 0.0); (600628.3, 4134831.1, 26.4, 0.0); (600616.7, 4134840.3, 26.2, 0.0); (600696.7, 4134775.0, 26.3, 0.0); (600706.2, 4134763.7, 26.2, 0.0); (600715.7, 4134752.3, 26.2, 0.0); (600725.2, 4134740.9,	0.0);	26.0, 26.0, 26.3, 26.8, 26.6, 26.5, 26.4, 26.4, 26.6, 26.7, 26.9, 26.9, 26.8, 26.8, 26.8, 26.8, 26.7, 26.6, 26.6, 26.7, 26.8, 26.8, 26.8, 26.8, 26.1, 25.9, 26.0, 26.1, 26.3, 26.4, 26.5, 26.2, 26.3, 26.3, 26.2, 26.2,	0.0);	26.0, 26.0, 26.3, 26.8, 26.6, 26.5, 26.4, 26.4, 26.6, 26.7, 26.9, 26.9, 26.8, 26.8, 26.8, 26.8, 26.7, 26.6, 26.6, 26.7, 26.8, 26.8, 26.8, 26.8, 26.1, 25.9, 26.0, 26.1, 26.3, 26.4, 26.5, 26.2, 26.3, 26.3, 26.2, 26.2,	0.0);	(600621.5, 4134803.7, (600610.3, 4134812.5, (600671.7, 4134763.9, (600681.2, 4134752.5, (600690.7, 4134741.1, (600700.2, 4134729.8, (600709.7, 4134718.4, (600719.2, 4134707.0, (600728.7, 4134695.6, (600738.2, 4134684.2, (600747.7, 4134672.8, (600757.2, 4134661.4, (600766.7, 4134650.0, (600776.2, 4134638.6, (600785.7, 4134627.3, (600795.2, 4134615.9, (600804.7, 4134604.5, (600814.2, 4134593.1, (600823.7, 4134581.7, (600833.2, 4134570.3, (600842.7, 4134558.9, (600680.3, 4134789.9, (600668.8, 4134799.0, (600657.2, 4134808.2, (600645.6, 4134817.4, (600634.1, 4134826.5, (600622.5, 4134835.7, (600691.9, 4134780.7, (600701.4, 4134769.3, (600710.9, 4134758.0, (600720.4, 4134746.6, (600729.9, 4134735.2,	26.1, 26.6, 26.6, 26.5, 26.4, 26.5, 26.6, 26.8, 26.9, 26.9, 26.8, 26.8, 26.8, 26.8, 26.7, 26.6, 26.5, 26.7, 26.8, 26.8, 26.8, 26.8, 26.1, 25.9, 26.0, 26.2, 26.4, 26.4, 26.2, 26.3, 26.2, 26.2, 26.2,
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26.2,	0.0);						
(600734.7,	4134729.5,	26.4,	26.4,	0.0);	(600739.4,	4134723.8,	26.5,
26.5,	0.0);						
(600744.2,	4134718.1,	26.6,	26.6,	0.0);	(600748.9,	4134712.4,	26.7,
26.7,	0.0);						
(600753.7,	4134706.7,	26.7,	26.7,	0.0);	(600758.4,	4134701.0,	26.7,
26.7,	0.0);						
(600763.2,	4134695.3,	26.7,	26.7,	0.0);	(600767.9,	4134689.6,	26.7,
26.7,	0.0);						
(600772.7,	4134683.9,	26.8,	26.8,	0.0);	(600777.4,	4134678.2,	26.8,
26.8,	0.0);						
(600782.2,	4134672.5,	26.8,	26.8,	0.0);	(600786.9,	4134666.8,	26.8,
26.8,	0.0);						

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*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFault CONC ELEV

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

(600791.7,	4134661.2,	26.8,	26.8,	0.0);	(600796.4,	4134655.5,	26.8,
26.8,	0.0);						
(600801.2,	4134649.8,	26.8,	26.8,	0.0);	(600805.9,	4134644.1,	26.8,
26.8,	0.0);						
(600810.7,	4134638.4,	26.8,	26.8,	0.0);	(600815.4,	4134632.7,	26.7,
26.7,	0.0);						
(600820.2,	4134627.0,	26.7,	26.7,	0.0);	(600824.9,	4134621.3,	26.8,
26.8,	0.0);						
(600829.7,	4134615.6,	26.8,	26.8,	0.0);	(600834.4,	4134609.9,	26.8,
26.8,	0.0);						
(600839.2,	4134604.2,	26.8,	26.8,	0.0);	(600843.9,	4134598.5,	26.8,
26.8,	0.0);						
(600848.7,	4134592.8,	26.8,	26.8,	0.0);	(600853.4,	4134587.1,	26.8,
26.8,	0.0);						
(600858.2,	4134581.4,	26.8,	26.8,	0.0);	(600862.9,	4134575.7,	26.8,
26.8,	0.0);						
(600706.5,	4134802.0,	26.0,	26.0,	0.0);	(600700.9,	4134806.4,	26.0,
26.0,	0.0);						
(600695.3,	4134810.8,	26.1,	26.1,	0.0);	(600689.7,	4134815.2,	26.1,
26.1,	0.0);						
(600684.1,	4134819.7,	26.1,	26.1,	0.0);	(600678.5,	4134824.1,	26.2,
26.2,	0.0);						
(600673.0,	4134828.5,	26.2,	26.2,	0.0);	(600667.4,	4134832.9,	26.2,
26.2,	0.0);						
(600661.8,	4134837.4,	26.1,	26.1,	0.0);	(600656.2,	4134841.8,	26.1,
26.1,	0.0);						
(600650.6,	4134846.2,	26.0,	26.0,	0.0);	(600645.0,	4134850.6,	26.1,
26.1,	0.0);						
(600639.4,	4134855.0,	26.1,	26.1,	0.0);	(600633.8,	4134859.5,	26.1,
26.1,	0.0);						
(600628.2,	4134863.9,	26.2,	26.2,	0.0);	(600712.1,	4134797.5,	25.9,
25.9,	0.0);						
(600716.8,	4134791.9,	25.9,	25.9,	0.0);	(600721.6,	4134786.2,	26.0,
26.0,	0.0);						
(600726.3,	4134780.5,	26.1,	26.1,	0.0);	(600731.1,	4134774.8,	26.1,
26.1,	0.0);						
(600735.8,	4134769.1,	26.2,	26.2,	0.0);	(600740.6,	4134763.4,	26.2,
26.2,	0.0);						
(600745.3,	4134757.7,	26.2,	26.2,	0.0);	(600750.1,	4134752.0,	26.2,

26.2,	0.0);						
(600754.8,	4134746.3,	26.2,	26.2,	0.0);	(600759.6,	4134740.6,	26.2,
26.2,	0.0);						
(600764.3,	4134734.9,	26.2,	26.2,	0.0);	(600769.1,	4134729.2,	26.3,
26.3,	0.0);						
(600773.8,	4134723.5,	26.4,	26.4,	0.0);	(600778.6,	4134717.8,	26.4,
26.4,	0.0);						
(600783.3,	4134712.1,	26.5,	26.5,	0.0);	(600788.1,	4134706.4,	26.7,
26.7,	0.0);						
(600792.8,	4134700.8,	26.7,	26.7,	0.0);	(600797.6,	4134695.0,	26.8,
26.8,	0.0);						
(600802.3,	4134689.4,	26.8,	26.8,	0.0);	(600807.1,	4134683.7,	26.9,
26.9,	0.0);						
(600811.8,	4134678.0,	26.9,	26.9,	0.0);	(600816.6,	4134672.3,	26.9,
26.9,	0.0);						
(600821.3,	4134666.6,	26.9,	26.9,	0.0);	(600826.1,	4134660.9,	26.9,
26.9,	0.0);						
(600830.8,	4134655.2,	26.9,	26.9,	0.0);	(600835.6,	4134649.5,	26.9,
26.9,	0.0);						
(600840.3,	4134643.8,	26.8,	26.8,	0.0);	(600845.1,	4134638.1,	26.8,
26.8,	0.0);						
(600849.8,	4134632.4,	26.8,	26.8,	0.0);	(600854.6,	4134626.7,	26.8,
26.8,	0.0);						
(600859.3,	4134621.0,	26.8,	26.8,	0.0);	(600864.1,	4134615.3,	26.8,
26.8,	0.0);						
(600868.8,	4134609.6,	26.8,	26.8,	0.0);	(600873.6,	4134603.9,	26.8,
26.8,	0.0);						
(600878.3,	4134598.2,	26.8,	26.8,	0.0);	(600883.1,	4134592.5,	26.8,
26.8,	0.0);						
(600726.5,	4134818.9,	26.1,	26.1,	0.0);	(600720.7,	4134823.5,	26.2,
26.2,	0.0);						
(600715.0,	4134828.0,	26.2,	26.2,	0.0);	(600709.2,	4134832.6,	26.2,
26.2,	0.0);						
(600703.5,	4134837.1,	26.1,	26.1,	0.0);	(600697.7,	4134841.7,	26.1,
26.1,	0.0);						
(600691.9,	4134846.2,	26.0,	26.0,	0.0);	(600686.2,	4134850.8,	26.0,
26.0,	0.0);						
(600680.4,	4134855.4,	25.9,	25.9,	0.0);	(600674.7,	4134859.9,	25.9,
25.9,	0.0);						
(600668.9,	4134864.5,	25.9,	25.9,	0.0);	(600663.2,	4134869.0,	25.9,
25.9,	0.0);						
(600657.4,	4134873.6,	25.9,	25.9,	0.0);	(600651.7,	4134878.1,	25.9,
25.9,	0.0);						
(600645.9,	4134882.7,	26.0,	26.0,	0.0);	(600640.2,	4134887.2,	26.0,
26.0,	0.0);						
(600732.2,	4134814.4,	26.1,	26.1,	0.0);	(600737.0,	4134808.7,	26.0,
26.0,	0.0);						
(600741.7,	4134803.0,	26.0,	26.0,	0.0);	(600746.5,	4134797.3,	25.9,
25.9,	0.0);						
(600751.2,	4134791.6,	26.0,	26.0,	0.0);	(600756.0,	4134785.9,	26.0,
26.0,	0.0);						

FF *** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

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

(600760.7,	4134780.2,	26.1,	26.1,	0.0);	(600765.5,	4134774.5,	26.1,
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26.1,	0.0);						
(600770.2,	4134768.8,	26.2,	26.2,	0.0);	(600775.0,	4134763.1,	26.2,
26.2,	0.0);						
(600779.7,	4134757.4,	26.3,	26.3,	0.0);	(600784.5,	4134751.7,	26.3,
26.3,	0.0);						
(600789.2,	4134746.0,	26.3,	26.3,	0.0);	(600794.0,	4134740.3,	26.2,
26.2,	0.0);						
(600798.7,	4134734.6,	26.2,	26.2,	0.0);	(600803.5,	4134728.9,	26.4,
26.4,	0.0);						
(600808.2,	4134723.3,	26.5,	26.5,	0.0);	(600813.0,	4134717.6,	26.6,
26.6,	0.0);						
(600817.7,	4134711.9,	26.7,	26.7,	0.0);	(600822.5,	4134706.2,	26.8,
26.8,	0.0);						
(600827.2,	4134700.5,	26.9,	26.9,	0.0);	(600832.0,	4134694.8,	26.9,
26.9,	0.0);						
(600836.7,	4134689.1,	27.0,	27.0,	0.0);	(600841.5,	4134683.4,	27.1,
27.1,	0.0);						
(600846.2,	4134677.7,	27.1,	27.1,	0.0);	(600851.0,	4134672.0,	27.1,
27.1,	0.0);						
(600855.7,	4134666.3,	27.0,	27.0,	0.0);	(600860.5,	4134660.6,	27.0,
27.0,	0.0);						
(600865.2,	4134654.9,	26.9,	26.9,	0.0);	(600870.0,	4134649.2,	26.9,
26.9,	0.0);						
(600874.7,	4134643.5,	26.8,	26.8,	0.0);	(600879.5,	4134637.8,	26.8,
26.8,	0.0);						
(600884.2,	4134632.1,	26.8,	26.8,	0.0);	(600889.0,	4134626.4,	26.8,
26.8,	0.0);						
(600893.7,	4134620.8,	26.8,	26.8,	0.0);	(600898.5,	4134615.1,	26.8,
26.8,	0.0);						
(600903.2,	4134609.4,	26.8,	26.8,	0.0);	(600760.5,	4134452.7,	27.0,
27.0,	0.0);						
(600756.3,	4134460.0,	27.1,	27.1,	0.0);	(600752.1,	4134467.2,	27.1,
27.1,	0.0);						
(600764.1,	4134445.1,	26.9,	26.9,	0.0);	(600773.9,	4134457.8,	27.1,
27.1,	0.0);						
(600769.6,	4134465.1,	27.1,	27.1,	0.0);	(600765.3,	4134472.5,	27.2,
27.2,	0.0);						
(600761.0,	4134479.9,	27.3,	27.3,	0.0);	(600777.5,	4134450.1,	27.0,
27.0,	0.0);						
(600787.4,	4134462.5,	27.2,	27.2,	0.0);	(600783.5,	4134469.3,	27.2,
27.2,	0.0);						
(600779.5,	4134476.1,	27.3,	27.3,	0.0);	(600775.6,	4134482.8,	27.3,
27.3,	0.0);						
(600771.7,	4134489.6,	27.4,	27.4,	0.0);	(600790.9,	4134455.1,	27.3,
27.3,	0.0);						
(600800.8,	4134467.6,	27.4,	27.4,	0.0);	(600796.8,	4134474.5,	27.4,
27.4,	0.0);						
(600792.7,	4134481.4,	27.4,	27.4,	0.0);	(600788.7,	4134488.3,	27.4,
27.4,	0.0);						
(600784.7,	4134495.2,	27.4,	27.4,	0.0);	(600804.3,	4134460.2,	27.4,
27.4,	0.0);						
(600814.1,	4134472.7,	27.4,	27.4,	0.0);	(600810.0,	4134479.7,	27.4,
27.4,	0.0);						
(600806.0,	4134486.7,	27.4,	27.4,	0.0);	(600801.9,	4134493.7,	27.4,
27.4,	0.0);						
(600797.8,	4134500.7,	27.4,	27.4,	0.0);	(600793.7,	4134507.7,	27.3,
27.3,	0.0);						
(600817.6,	4134465.2,	27.4,	27.4,	0.0);	(600827.5,	4134477.7,	27.4,
27.4,	0.0);						
(600823.3,	4134484.8,	27.4,	27.4,	0.0);	(600819.2,	4134491.9,	27.4,
27.4,	0.0);						
(600815.1,	4134499.0,	27.4,	27.4,	0.0);	(600811.0,	4134506.1,	27.3,
27.3,	0.0);						
(600806.8,	4134513.2,	27.3,	27.3,	0.0);	(600831.0,	4134470.2,	27.4,

27.4,	0.0);						
(600840.8,	4134482.8,	27.4,	27.4,	0.0);	(600836.6,	4134490.0,	27.4,
27.4,	0.0);						
(600832.5,	4134497.1,	27.4,	27.4,	0.0);	(600828.3,	4134504.3,	27.4,
27.4,	0.0);						
(600824.1,	4134511.5,	27.3,	27.3,	0.0);	(600820.0,	4134518.6,	27.2,
27.2,	0.0);						
(600815.8,	4134525.8,	27.1,	27.1,	0.0);	(600844.4,	4134475.2,	27.4,
27.4,	0.0);						
(600854.2,	4134487.8,	27.3,	27.3,	0.0);	(600850.0,	4134495.1,	27.3,
27.3,	0.0);						
(600845.7,	4134502.3,	27.3,	27.3,	0.0);	(600841.5,	4134509.5,	27.2,
27.2,	0.0);						
(600837.3,	4134516.8,	27.2,	27.2,	0.0);	(600833.1,	4134524.0,	27.2,
27.2,	0.0);						
(600828.9,	4134531.3,	27.1,	27.1,	0.0);	(600857.8,	4134480.2,	27.3,
27.3,	0.0);						
(600878.7,	4134497.1,	27.1,	27.1,	0.0);	(600874.5,	4134504.4,	27.1,
27.1,	0.0);						
(600870.3,	4134511.6,	27.1,	27.1,	0.0);	(600866.0,	4134518.9,	27.1,
27.1,	0.0);						
(600861.8,	4134526.2,	27.1,	27.1,	0.0);	(600857.6,	4134533.5,	27.1,
27.1,	0.0);						
(600853.3,	4134540.7,	27.0,	27.0,	0.0);	(600849.1,	4134548.0,	26.9,
26.9,	0.0);						

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600882.3,	4134489.4,	27.2,	27.2,	0.0);	(600903.3,	4134506.3,	27.1,
27.1,	0.0);						
(600899.0,	4134513.6,	27.0,	27.0,	0.0);	(600894.8,	4134520.9,	26.9,
26.9,	0.0);						
(600890.5,	4134528.2,	26.9,	26.9,	0.0);	(600886.3,	4134535.5,	26.9,
26.9,	0.0);						
(600882.0,	4134542.8,	26.9,	26.9,	0.0);	(600877.8,	4134550.2,	26.9,
26.9,	0.0);						
(600873.5,	4134557.5,	26.8,	26.8,	0.0);	(600869.3,	4134564.8,	26.8,
26.8,	0.0);						
(600906.9,	4134498.7,	27.1,	27.1,	0.0);	(600927.9,	4134515.5,	27.1,
27.1,	0.0);						
(600923.6,	4134522.9,	27.1,	27.1,	0.0);	(600919.3,	4134530.2,	27.1,
27.1,	0.0);						
(600915.1,	4134537.5,	27.0,	27.0,	0.0);	(600910.8,	4134544.9,	26.9,
26.9,	0.0);						
(600906.5,	4134552.2,	26.8,	26.8,	0.0);	(600902.3,	4134559.5,	26.8,
26.8,	0.0);						
(600898.0,	4134566.9,	26.8,	26.8,	0.0);	(600893.7,	4134574.2,	26.8,
26.8,	0.0);						
(600889.5,	4134581.5,	26.8,	26.8,	0.0);	(600931.5,	4134507.9,	27.1,
27.1,	0.0);						
(600952.4,	4134524.8,	27.1,	27.1,	0.0);	(600948.2,	4134532.1,	27.1,
27.1,	0.0);						
(600943.9,	4134539.5,	27.1,	27.1,	0.0);	(600939.6,	4134546.8,	27.0,
27.0,	0.0);						
(600935.3,	4134554.2,	27.0,	27.0,	0.0);	(600931.0,	4134561.5,	26.9,

26.9,	0.0);						
(600926.8,	4134568.9,	26.8,	26.8,	0.0);	(600922.5,	4134576.3,	26.8,
26.8,	0.0);						
(600918.2,	4134583.6,	26.8,	26.8,	0.0);	(600913.9,	4134591.0,	26.8,
26.8,	0.0);						
(600909.6,	4134598.3,	26.8,	26.8,	0.0);	(600956.1,	4134517.1,	27.1,
27.1,	0.0);						
(600781.1,	4134434.7,	27.0,	27.0,	0.0);	(600797.5,	4134422.9,	27.2,
27.2,	0.0);						
(600795.5,	4134434.2,	27.3,	27.3,	0.0);	(600793.4,	4134445.5,	27.3,
27.3,	0.0);						
(600811.8,	4134422.7,	27.3,	27.3,	0.0);	(600809.8,	4134433.9,	27.4,
27.4,	0.0);						
(600807.8,	4134445.0,	27.4,	27.4,	0.0);	(600828.1,	4134411.5,	27.4,
27.4,	0.0);						
(600826.1,	4134422.5,	27.4,	27.4,	0.0);	(600824.1,	4134433.6,	27.4,
27.4,	0.0);						
(600822.1,	4134444.6,	27.4,	27.4,	0.0);	(600820.1,	4134455.7,	27.4,
27.4,	0.0);						
(600842.4,	4134411.5,	27.4,	27.4,	0.0);	(600840.5,	4134422.4,	27.4,
27.4,	0.0);						
(600838.5,	4134433.4,	27.4,	27.4,	0.0);	(600836.5,	4134444.3,	27.4,
27.4,	0.0);						
(600834.5,	4134455.2,	27.4,	27.4,	0.0);	(600843.4,	4134400.0,	27.4,
27.4,	0.0);						
(600856.7,	4134411.4,	27.4,	27.4,	0.0);	(600854.8,	4134422.3,	27.4,
27.4,	0.0);						
(600852.8,	4134433.2,	27.4,	27.4,	0.0);	(600850.8,	4134444.0,	27.4,
27.4,	0.0);						
(600848.9,	4134454.9,	27.4,	27.4,	0.0);	(600846.9,	4134465.8,	27.4,
27.4,	0.0);						
(600857.7,	4134400.0,	27.4,	27.4,	0.0);	(600870.9,	4134411.8,	27.4,
27.4,	0.0);						
(600868.8,	4134423.6,	27.4,	27.4,	0.0);	(600866.7,	4134435.3,	27.4,
27.4,	0.0);						
(600864.6,	4134447.0,	27.4,	27.4,	0.0);	(600862.5,	4134458.7,	27.4,
27.4,	0.0);						
(600860.3,	4134470.4,	27.4,	27.4,	0.0);	(600872.0,	4134400.0,	27.4,
27.4,	0.0);						
(600897.2,	4134411.7,	27.4,	27.4,	0.0);	(600895.2,	4134423.0,	27.4,
27.4,	0.0);						
(600893.1,	4134434.4,	27.4,	27.4,	0.0);	(600891.1,	4134445.7,	27.3,
27.3,	0.0);						
(600889.0,	4134457.1,	27.2,	27.2,	0.0);	(600886.9,	4134468.4,	27.2,
27.2,	0.0);						
(600884.9,	4134479.8,	27.2,	27.2,	0.0);	(600898.2,	4134400.0,	27.4,
27.4,	0.0);						
(600923.5,	4134411.5,	27.4,	27.4,	0.0);	(600921.5,	4134422.6,	27.4,
27.4,	0.0);						
(600919.5,	4134433.7,	27.4,	27.4,	0.0);	(600917.5,	4134444.8,	27.4,
27.4,	0.0);						
(600915.5,	4134455.9,	27.2,	27.2,	0.0);	(600913.5,	4134466.9,	27.1,
27.1,	0.0);						
(600911.4,	4134478.0,	27.1,	27.1,	0.0);	(600909.4,	4134489.1,	27.1,
27.1,	0.0);						
(600924.5,	4134400.0,	27.4,	27.4,	0.0);	(600949.7,	4134411.8,	27.4,
27.4,	0.0);						
(600947.6,	4134423.3,	27.4,	27.4,	0.0);	(600945.5,	4134434.8,	27.4,
27.4,	0.0);						
(600943.4,	4134446.3,	27.4,	27.4,	0.0);	(600941.4,	4134457.8,	27.4,
27.4,	0.0);						
(600939.3,	4134469.3,	27.3,	27.3,	0.0);	(600937.2,	4134480.8,	27.2,
27.2,	0.0);						

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600935.1, 4134492.4, 27.1, 27.1, 0.0);	(600950.8, 4134400.0, 27.4, 27.4, 0.0);
(600976.0, 4134411.6, 27.4, 27.4, 0.0);	(600973.9, 4134422.9, 27.4, 27.4, 0.0);
(600971.9, 4134434.2, 27.4, 27.4, 0.0);	(600969.9, 4134445.5, 27.4, 27.4, 0.0);
(600967.8, 4134456.7, 27.4, 27.4, 0.0);	(600965.8, 4134468.0, 27.4, 27.4, 0.0);
(600963.7, 4134479.3, 27.3, 27.3, 0.0);	(600961.7, 4134490.5, 27.2, 27.2, 0.0);
(600959.6, 4134501.8, 27.1, 27.1, 0.0);	(600977.0, 4134400.0, 27.4, 27.4, 0.0);
(600870.0, 4134390.4, 27.4, 27.4, 0.0);	(600893.4, 4134377.0, 27.4, 27.4, 0.0);
(600895.3, 4134386.2, 27.4, 27.4, 0.0);	(600917.6, 4134367.4, 27.4, 27.4, 0.0);
(600919.6, 4134376.7, 27.4, 27.4, 0.0);	(600921.5, 4134386.0, 27.4, 27.4, 0.0);
(600947.8, 4134385.8, 27.4, 27.4, 0.0);	(600749.2, 4134234.0, 27.5, 27.5, 0.0);
(600743.7, 4134229.7, 27.5, 27.5, 0.0);	(600738.2, 4134225.3, 27.4, 27.4, 0.0);
(600732.6, 4134220.9, 27.3, 27.3, 0.0);	(600727.1, 4134216.5, 27.2, 27.2, 0.0);
(600721.6, 4134212.1, 27.1, 27.1, 0.0);	(600716.0, 4134207.8, 27.0, 27.0, 0.0);
(600710.5, 4134203.4, 26.9, 26.9, 0.0);	(600704.9, 4134199.0, 26.8, 26.8, 0.0);
(600699.4, 4134194.6, 26.8, 26.8, 0.0);	(600758.1, 4134222.8, 27.4, 27.4, 0.0);
(600752.6, 4134218.5, 27.4, 27.4, 0.0);	(600747.0, 4134214.1, 27.3, 27.3, 0.0);
(600741.5, 4134209.7, 27.2, 27.2, 0.0);	(600736.0, 4134205.3, 27.1, 27.1, 0.0);
(600730.4, 4134200.9, 27.0, 27.0, 0.0);	(600724.9, 4134196.5, 26.9, 26.9, 0.0);
(600719.4, 4134192.2, 26.9, 26.9, 0.0);	(600713.8, 4134187.8, 26.8, 26.8, 0.0);
(600708.3, 4134183.4, 26.8, 26.8, 0.0);	(600767.0, 4134211.6, 27.3, 27.3, 0.0);
(600761.5, 4134207.3, 27.2, 27.2, 0.0);	(600755.9, 4134202.9, 27.2, 27.2, 0.0);
(600750.4, 4134198.5, 27.2, 27.2, 0.0);	(600744.8, 4134194.1, 27.1, 27.1, 0.0);
(600739.3, 4134189.7, 27.1, 27.1, 0.0);	(600733.8, 4134185.3, 27.0, 27.0, 0.0);
(600728.2, 4134181.0, 27.0, 27.0, 0.0);	(600722.7, 4134176.6, 26.9, 26.9, 0.0);
(600717.1, 4134172.2, 26.9, 26.9, 0.0);	(600777.7, 4134186.7, 27.2, 27.2, 0.0);
(600772.2, 4134182.3, 27.1, 27.1, 0.0);	(600766.7, 4134177.9, 27.1, 27.1, 0.0);
(600761.1, 4134173.5, 27.1, 27.1, 0.0);	(600755.6, 4134169.1, 27.1, 27.1, 0.0);

27.1,	0.0);					
(600750.1,	4134164.8,	27.1,	27.1,	0.0);	(600744.5,	4134160.4,
27.1,	0.0);					27.1,
(600739.0,	4134156.0,	27.1,	27.1,	0.0);	(600733.4,	4134151.6,
27.1,	0.0);					27.1,
(600794.0,	4134166.1,	27.1,	27.1,	0.0);	(600788.5,	4134161.7,
27.1,	0.0);					27.1,
(600783.0,	4134157.3,	27.1,	27.1,	0.0);	(600777.4,	4134152.9,
27.1,	0.0);					27.1,
(600771.9,	4134148.6,	27.1,	27.1,	0.0);	(600766.3,	4134144.2,
27.1,	0.0);					27.1,
(600821.4,	4134154.3,	27.2,	27.2,	0.0);	(600815.9,	4134149.9,
27.2,	0.0);					27.2,
(600810.3,	4134145.5,	27.2,	27.2,	0.0);	(600804.8,	4134141.1,
27.1,	0.0);					27.1,
(600799.2,	4134136.8,	27.1,	27.1,	0.0);	(600793.7,	4134132.4,
27.1,	0.0);					27.1,
(600788.2,	4134128.0,	27.1,	27.1,	0.0);	(600782.6,	4134123.6,
27.1,	0.0);					27.1,
(600777.1,	4134119.2,	27.1,	27.1,	0.0);	(600771.6,	4134114.8,
27.1,	0.0);					27.1,
(600766.0,	4134110.4,	27.1,	27.1,	0.0);	(600854.3,	4134146.9,
27.4,	0.0);					27.4,
(600848.8,	4134142.5,	27.3,	27.3,	0.0);	(600843.2,	4134138.1,
27.2,	0.0);					27.2,
(600837.7,	4134133.7,	27.2,	27.2,	0.0);	(600832.2,	4134129.3,
27.1,	0.0);					27.1,
(600826.6,	4134124.9,	27.1,	27.1,	0.0);	(600821.1,	4134120.6,
27.1,	0.0);					27.1,
(600815.6,	4134116.2,	27.1,	27.1,	0.0);	(600810.0,	4134111.8,
27.1,	0.0);					27.1,
(600804.5,	4134107.4,	27.1,	27.1,	0.0);	(600798.9,	4134103.0,
27.1,	0.0);					27.1,
(600793.4,	4134098.6,	27.1,	27.1,	0.0);	(600787.9,	4134094.2,
27.1,	0.0);					27.1,
(600782.3,	4134089.9,	27.1,	27.1,	0.0);	(600689.0,	4134187.3,
26.8,	0.0);					26.8,

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*** AERMET - VERSION 15181 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV

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

(600677.9,	4134179.9,	26.8,	26.8,	0.0);	(600671.9,	4134176.1,
26.8,	0.0);					26.8,
(600665.9,	4134172.4,	26.8,	26.8,	0.0);	(600659.9,	4134168.6,
26.8,	0.0);					26.8,
(600653.9,	4134164.9,	26.8,	26.8,	0.0);	(600647.9,	4134161.1,
26.9,	0.0);					26.9,
(600641.9,	4134157.4,	26.9,	26.9,	0.0);	(600697.0,	4134175.5,
26.8,	0.0);					26.8,
(600691.4,	4134171.5,	26.8,	26.8,	0.0);	(600685.4,	4134167.8,
26.8,	0.0);					26.8,
(600679.4,	4134164.0,	26.9,	26.9,	0.0);	(600673.4,	4134160.3,
26.9,	0.0);					26.9,
(600667.4,	4134156.5,	26.9,	26.9,	0.0);	(600661.4,	4134152.8,
27.0,	0.0);					27.0,
(600655.4,	4134149.0,	27.0,	27.0,	0.0);	(600649.4,	4134145.3,
						27.0,

27.0,	0.0);						
(600703.5,	4134162.6,	26.9,	26.9,	0.0);	(600693.0,	4134155.6,	26.9,
26.9,	0.0);						
(600687.0,	4134151.9,	27.0,	27.0,	0.0);	(600681.0,	4134148.1,	27.0,
27.0,	0.0);						
(600675.0,	4134144.4,	27.1,	27.1,	0.0);	(600669.0,	4134140.6,	27.1,
27.1,	0.0);						
(600663.0,	4134136.9,	27.1,	27.1,	0.0);	(600657.0,	4134133.1,	27.1,
27.1,	0.0);						
(600651.0,	4134129.4,	27.1,	27.1,	0.0);	(600718.0,	4134140.8,	27.1,
27.1,	0.0);						
(600706.9,	4134133.4,	27.1,	27.1,	0.0);	(600700.9,	4134129.6,	27.1,
27.1,	0.0);						
(600694.9,	4134125.9,	27.1,	27.1,	0.0);	(600688.9,	4134122.1,	27.1,
27.1,	0.0);						
(600682.9,	4134118.4,	27.1,	27.1,	0.0);	(600676.9,	4134114.6,	27.1,
27.1,	0.0);						
(600670.9,	4134110.9,	27.1,	27.1,	0.0);	(600664.9,	4134107.1,	27.1,
27.1,	0.0);						
(600745.8,	4134096.2,	27.1,	27.1,	0.0);	(600755.9,	4134103.3,	27.1,
27.1,	0.0);						
(600734.7,	4134088.9,	27.1,	27.1,	0.0);	(600728.7,	4134085.1,	27.1,
27.1,	0.0);						
(600722.7,	4134081.4,	27.1,	27.1,	0.0);	(600716.7,	4134077.6,	27.1,
27.1,	0.0);						
(600710.7,	4134073.9,	27.1,	27.1,	0.0);	(600704.7,	4134070.1,	27.1,
27.1,	0.0);						
(600698.7,	4134066.4,	27.1,	27.1,	0.0);	(600692.7,	4134062.6,	27.1,
27.1,	0.0);						
(600760.2,	4134074.3,	27.1,	27.1,	0.0);	(600771.2,	4134082.1,	27.1,
27.1,	0.0);						
(600748.7,	4134066.6,	27.1,	27.1,	0.0);	(600742.7,	4134062.9,	27.1,
27.1,	0.0);						
(600736.7,	4134059.1,	27.1,	27.1,	0.0);	(600730.7,	4134055.4,	27.1,
27.1,	0.0);						
(600724.7,	4134051.6,	27.1,	27.1,	0.0);	(600718.7,	4134047.9,	27.1,
27.1,	0.0);						
(600712.7,	4134044.1,	27.1,	27.1,	0.0);	(600706.7,	4134040.4,	27.1,
27.1,	0.0);						
(600641.6,	4134120.9,	27.2,	27.2,	0.0);	(600657.7,	4134100.1,	27.2,
27.2,	0.0);						
(600684.6,	4134054.6,	27.1,	27.1,	0.0);	(600700.7,	4134033.8,	27.2,
27.2,	0.0);						
(600774.0,	4134438.3,	26.9,	26.9,	0.0);	(600592.7,	4134142.6,	27.1,
27.1,	0.0);						
(600582.7,	4134135.4,	27.1,	27.1,	0.0);	(600596.9,	4134136.8,	27.1,
27.1,	0.0);						
(600586.9,	4134129.6,	27.1,	27.1,	0.0);	(600601.0,	4134131.0,	27.1,
27.1,	0.0);						
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27.2,	0.0);						
(600595.2,	4134118.0,	27.1,	27.1,	0.0);	(600609.4,	4134119.4,	27.2,
27.2,	0.0);						
(600599.4,	4134112.2,	27.2,	27.2,	0.0);	(600613.6,	4134113.6,	27.3,
27.3,	0.0);						
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27.4,	0.0);						
(600612.7,	4134104.2,	27.3,	27.3,	0.0);	(600602.7,	4134097.0,	27.3,
27.3,	0.0);						
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27.4,	0.0);						
(600616.9,	4134098.4,	27.4,	27.4,	0.0);	(600606.9,	4134091.2,	27.4,
27.4,	0.0);						
(600663.0,	4134144.5,	27.1,	27.1,	0.0);	(600631.1,	4134099.8,	27.4,

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27.4,      0.0);
( 600621.1, 4134092.6,    27.4,    27.4,    0.0);    ( 600611.1, 4134085.4,    27.4,
27.4,      0.0);
( 600650.2, 4134112.8,    27.2,    27.2,    0.0);    ( 600656.8, 4134122.9,    27.1,
27.1,      0.0);
( 600625.3, 4134086.8,    27.4,    27.4,    0.0);    ( 600615.3, 4134079.6,    27.4,
27.4,      0.0);
( 600654.2, 4134106.8,    27.1,    27.1,    0.0);    ( 600660.8, 4134116.8,    27.1,
27.1,      0.0);
( 600667.4, 4134126.8,    27.1,    27.1,    0.0);    ( 600682.8, 4134157.7,    26.9,
26.9,      0.0);
    
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*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

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*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

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

```

( 600678.3, 4134187.2,    26.8,    26.8,    0.0);    ( 600629.4, 4134081.0,    27.4,
27.4,      0.0);
( 600619.4, 4134073.8,    27.4,    27.4,    0.0);    ( 600665.6, 4134099.8,    27.2,
27.2,      0.0);
( 600684.9, 4134129.2,    27.1,    27.1,    0.0);    ( 600691.3, 4134139.0,    27.1,
27.1,      0.0);
( 600690.6, 4134195.0,    26.8,    26.8,    0.0);    ( 600637.8, 4134069.4,    27.4,
27.4,      0.0);
( 600627.8, 4134062.2,    27.4,    27.4,    0.0);    ( 600678.0, 4134094.3,    27.2,
27.2,      0.0);
( 600684.7, 4134104.6,    27.1,    27.1,    0.0);    ( 600691.4, 4134114.9,    27.1,
27.1,      0.0);
( 600708.3, 4134140.6,    27.1,    27.1,    0.0);    ( 600710.7, 4134151.8,    27.0,
27.0,      0.0);
( 600707.9, 4134170.0,    26.8,    26.8,    0.0);    ( 600702.3, 4134206.4,    26.9,
26.9,      0.0);
( 600702.5, 4134107.4,    27.1,    27.1,    0.0);    ( 600709.1, 4134117.5,    27.1,
27.1,      0.0);
( 600715.7, 4134127.6,    27.1,    27.1,    0.0);    ( 600724.7, 4134148.6,    27.1,
27.1,      0.0);
( 600722.9, 4134160.5,    27.0,    27.0,    0.0);    ( 600654.5, 4134046.3,    27.4,
27.4,      0.0);
( 600644.5, 4134039.1,    27.4,    27.4,    0.0);    ( 600697.3, 4134075.2,    27.1,
27.1,      0.0);
( 600733.1, 4134129.7,    27.1,    27.1,    0.0);    ( 600738.7, 4134145.5,    27.1,
27.1,      0.0);
( 600736.0, 4134163.1,    27.1,    27.1,    0.0);    ( 600734.2, 4134174.8,    27.0,
27.0,      0.0);
( 600731.5, 4134192.4,    27.0,    27.0,    0.0);    ( 600667.8, 4134038.3,    27.3,
27.3,      0.0);
( 600657.8, 4134031.1,    27.4,    27.4,    0.0);    ( 600689.5, 4134039.0,    27.2,
27.2,      0.0);
( 600696.3, 4134049.3,    27.1,    27.1,    0.0);    ( 600703.0, 4134059.6,    27.1,
27.1,      0.0);
( 600723.2, 4134090.4,    27.1,    27.1,    0.0);    ( 600752.6, 4134142.7,    27.1,
27.1,      0.0);
( 600750.7, 4134154.8,    27.1,    27.1,    0.0);    ( 600747.9, 4134173.0,    27.1,
27.1,      0.0);
( 600746.1, 4134185.2,    27.1,    27.1,    0.0);    ( 600671.2, 4134023.1,    27.4,
27.4,      0.0);
( 600661.2, 4134015.9,    27.4,    27.4,    0.0);    ( 600697.8, 4134027.3,    27.2,
27.2,      0.0);
    
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27.1,	0.0);						
(600731.0,	4134077.9,	27.1,	27.1,	0.0);	(600747.6,	4134103.2,	27.1,
27.1,	0.0);						
(600754.2,	4134113.4,	27.1,	27.1,	0.0);	(600764.7,	4134151.5,	27.1,
27.1,	0.0);						
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27.1,	0.0);						
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27.3,	0.0);						
(600679.5,	4134011.5,	27.4,	27.4,	0.0);	(600669.5,	4134004.3,	27.4,
27.4,	0.0);						
(600706.1,	4134015.7,	27.2,	27.2,	0.0);	(600712.7,	4134025.7,	27.1,
27.1,	0.0);						
(600719.2,	4134035.7,	27.1,	27.1,	0.0);	(600742.2,	4134070.6,	27.1,
27.1,	0.0);						
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27.1,	0.0);						
(600776.0,	4134166.0,	27.1,	27.1,	0.0);	(600771.5,	4134195.5,	27.1,
27.1,	0.0);						
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27.4,	0.0);						
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27.2,	0.0);						
(600734.7,	4134014.5,	27.2,	27.2,	0.0);	(600741.2,	4134024.5,	27.1,
27.1,	0.0);						
(600747.8,	4134034.6,	27.1,	27.1,	0.0);	(600754.4,	4134044.6,	27.1,
27.1,	0.0);						
(600761.0,	4134054.7,	27.1,	27.1,	0.0);	(600767.6,	4134064.7,	27.1,
27.1,	0.0);						
(600774.2,	4134074.8,	27.1,	27.1,	0.0);	(600797.2,	4134109.9,	27.1,
27.1,	0.0);						
(600803.8,	4134120.0,	27.1,	27.1,	0.0);	(600806.2,	4134130.9,	27.1,
27.1,	0.0);						
(600703.2,	4133978.6,	27.4,	27.4,	0.0);	(600693.2,	4133971.4,	27.4,
27.4,	0.0);						
(600736.8,	4133973.1,	27.4,	27.4,	0.0);	(600743.5,	4133983.2,	27.4,
27.4,	0.0);						
(600750.1,	4133993.3,	27.4,	27.4,	0.0);	(600756.7,	4134003.4,	27.3,
27.3,	0.0);						
(600763.3,	4134013.5,	27.2,	27.2,	0.0);	(600769.9,	4134023.6,	27.1,
27.1,	0.0);						
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27.1,	0.0);						
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27.1,	0.0);						
(600803.0,	4134074.0,	27.1,	27.1,	0.0);	(600809.6,	4134084.1,	27.1,
27.1,	0.0);						

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*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600816.2,	4134094.2,	27.1,	27.1,	0.0);	(600822.8,	4134104.3,	27.1,
27.1,	0.0);						
(600829.4,	4134114.4,	27.1,	27.1,	0.0);	(600830.0,	4134137.3,	27.1,

27.1,	0.0);						
(600828.2,	4134149.2,	27.2,	27.2,	0.0);	(600708.5,	4133950.1,	27.4,
27.4,	0.0);						
(600752.2,	4133951.8,	27.4,	27.4,	0.0);	(600758.8,	4133962.0,	27.4,
27.4,	0.0);						
(600765.5,	4133972.1,	27.4,	27.4,	0.0);	(600772.1,	4133982.2,	27.4,
27.4,	0.0);						
(600778.8,	4133992.3,	27.4,	27.4,	0.0);	(600785.4,	4134002.5,	27.3,
27.3,	0.0);						
(600792.0,	4134012.6,	27.3,	27.3,	0.0);	(600798.7,	4134022.7,	27.3,
27.3,	0.0);						
(600805.3,	4134032.8,	27.3,	27.3,	0.0);	(600811.9,	4134043.0,	27.2,
27.2,	0.0);						
(600818.6,	4134053.1,	27.2,	27.2,	0.0);	(600825.2,	4134063.2,	27.2,
27.2,	0.0);						
(600831.9,	4134073.3,	27.2,	27.2,	0.0);	(600838.5,	4134083.5,	27.2,
27.2,	0.0);						
(600845.1,	4134093.6,	27.2,	27.2,	0.0);	(600851.8,	4134103.7,	27.1,
27.1,	0.0);						
(600857.5,	4134119.8,	27.2,	27.2,	0.0);	(600855.6,	4134131.8,	27.3,
27.3,	0.0);						
(600723.9,	4133928.8,	27.4,	27.4,	0.0);	(600767.5,	4133930.6,	27.4,
27.4,	0.0);						
(600774.2,	4133940.7,	27.4,	27.4,	0.0);	(600780.9,	4133950.9,	27.4,
27.4,	0.0);						
(600787.5,	4133961.0,	27.4,	27.4,	0.0);	(600794.2,	4133971.2,	27.4,
27.4,	0.0);						
(600800.8,	4133981.3,	27.4,	27.4,	0.0);	(600807.5,	4133991.5,	27.4,
27.4,	0.0);						
(600814.2,	4134001.6,	27.4,	27.4,	0.0);	(600820.8,	4134011.8,	27.4,
27.4,	0.0);						
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27.4,	0.0);						
(600840.8,	4134042.3,	27.4,	27.4,	0.0);	(600847.4,	4134052.4,	27.4,
27.4,	0.0);						
(600854.1,	4134062.6,	27.4,	27.4,	0.0);	(600860.8,	4134072.7,	27.4,
27.4,	0.0);						
(600867.4,	4134082.9,	27.4,	27.4,	0.0);	(600874.1,	4134093.0,	27.3,
27.3,	0.0);						
(600880.7,	4134103.2,	27.3,	27.3,	0.0);	(600883.1,	4134114.3,	27.4,
27.4,	0.0);						
(600881.3,	4134126.3,	27.4,	27.4,	0.0);	(600739.2,	4133907.5,	27.4,
27.4,	0.0);						
(600570.9,	4134130.1,	27.1,	27.1,	0.0);	(600562.6,	4134121.2,	27.1,
27.1,	0.0);						
(600575.5,	4134124.4,	27.1,	27.1,	0.0);	(600561.4,	4134114.1,	27.2,
27.2,	0.0);						
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27.3,	0.0);						
(600568.6,	4134109.0,	27.1,	27.1,	0.0);	(600583.0,	4134112.6,	27.1,
27.1,	0.0);						
(600534.9,	4134108.8,	27.4,	27.4,	0.0);	(600541.0,	4134105.3,	27.4,
27.4,	0.0);						
(600547.2,	4134101.9,	27.3,	27.3,	0.0);	(600560.1,	4134100.1,	27.2,
27.2,	0.0);						
(600567.0,	4134101.8,	27.1,	27.1,	0.0);	(600573.8,	4134103.5,	27.1,
27.1,	0.0);						
(600580.7,	4134105.2,	27.1,	27.1,	0.0);	(600587.5,	4134106.9,	27.1,
27.1,	0.0);						
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27.4,	0.0);						
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27.5,	0.0);						
(600488.6,	4134153.9,	27.6,	27.6,	0.0);	(600483.9,	4134159.7,	27.6,

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27.6,      0.0);
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27.7,      0.0);
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27.5,      0.0);
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27.4,      0.0);
( 600451.4, 4134200.2,    27.4,    27.4,    0.0);    ( 600528.6, 4134104.7,    27.4,
27.4,      0.0);
( 600534.6, 4134101.4,    27.4,    27.4,    0.0);    ( 600546.4, 4134094.6,    27.3,
27.3,      0.0);
( 600558.9, 4134092.9,    27.2,    27.2,    0.0);    ( 600572.1, 4134096.2,    27.2,
27.2,      0.0);
( 600585.4, 4134099.5,    27.2,    27.2,    0.0);    ( 600501.6, 4134126.3,    27.4,
27.4,      0.0);
( 600496.9, 4134132.1,    27.5,    27.5,    0.0);    ( 600492.3, 4134137.9,    27.5,
27.5,      0.0);
( 600487.7, 4134143.7,    27.6,    27.6,    0.0);    ( 600483.0, 4134149.5,    27.6,
27.6,      0.0);
( 600478.4, 4134155.3,    27.7,    27.7,    0.0);    ( 600473.7, 4134161.0,    27.7,
27.7,      0.0);
( 600469.1, 4134166.8,    27.7,    27.7,    0.0);    ( 600464.4, 4134172.6,    27.6,
27.6,      0.0);
    
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*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

```

( 600459.8, 4134178.4,    27.5,    27.5,    0.0);    ( 600455.2, 4134184.2,    27.5,
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27.4,      0.0);
( 600522.6, 4134100.5,    27.4,    27.4,    0.0);    ( 600534.1, 4134094.0,    27.4,
27.4,      0.0);
( 600545.6, 4134087.5,    27.3,    27.3,    0.0);    ( 600557.8, 4134085.8,    27.2,
27.2,      0.0);
( 600570.6, 4134089.0,    27.2,    27.2,    0.0);    ( 600583.5, 4134092.2,    27.2,
27.2,      0.0);
( 600496.0, 4134121.9,    27.5,    27.5,    0.0);    ( 600491.4, 4134127.6,    27.6,
27.6,      0.0);
( 600486.7, 4134133.4,    27.6,    27.6,    0.0);    ( 600482.1, 4134139.2,    27.7,
27.7,      0.0);
( 600477.4, 4134145.0,    27.7,    27.7,    0.0);    ( 600472.8, 4134150.8,    27.7,
27.7,      0.0);
( 600468.2, 4134156.6,    27.7,    27.7,    0.0);    ( 600463.5, 4134162.4,    27.7,
27.7,      0.0);
( 600458.9, 4134168.1,    27.6,    27.6,    0.0);    ( 600454.2, 4134173.9,    27.5,
27.5,      0.0);
( 600449.6, 4134179.7,    27.5,    27.5,    0.0);    ( 600444.9, 4134185.5,    27.4,
27.4,      0.0);
( 600440.3, 4134191.3,    27.4,    27.4,    0.0);    ( 600512.4, 4134098.7,    27.4,
27.4,      0.0);
( 600525.1, 4134091.5,    27.4,    27.4,    0.0);    ( 600537.7, 4134084.3,    27.4,
27.4,      0.0);
( 600544.1, 4134080.7,    27.3,    27.3,    0.0);    ( 600564.5, 4134080.7,    27.1,
27.1,      0.0);
( 600578.7, 4134084.2,    27.2,    27.2,    0.0);    ( 600592.8, 4134087.7,    27.3,
27.3,      0.0);
    
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27.3,	0.0);						
(600599.9,	4134089.5,	27.3,	27.3,	0.0);	(600490.4,	4134117.4,	27.6,
27.6,	0.0);						
(600485.8,	4134123.2,	27.6,	27.6,	0.0);	(600481.2,	4134129.0,	27.7,
27.7,	0.0);						
(600476.5,	4134134.8,	27.7,	27.7,	0.0);	(600471.9,	4134140.5,	27.7,
27.7,	0.0);						
(600467.2,	4134146.3,	27.7,	27.7,	0.0);	(600462.6,	4134152.1,	27.7,
27.7,	0.0);						
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27.6,	0.0);						
(600448.7,	4134169.5,	27.5,	27.5,	0.0);	(600444.0,	4134175.2,	27.4,
27.4,	0.0);						
(600439.4,	4134181.0,	27.4,	27.4,	0.0);	(600434.7,	4134186.8,	27.4,
27.4,	0.0);						
(600506.4,	4134094.4,	27.4,	27.4,	0.0);	(600512.6,	4134090.9,	27.4,
27.4,	0.0);						
(600518.7,	4134087.4,	27.4,	27.4,	0.0);	(600524.9,	4134084.0,	27.4,
27.4,	0.0);						
(600531.0,	4134080.5,	27.4,	27.4,	0.0);	(600537.2,	4134077.0,	27.4,
27.4,	0.0);						
(600543.3,	4134073.5,	27.3,	27.3,	0.0);	(600556.3,	4134071.8,	27.2,
27.2,	0.0);						
(600563.1,	4134073.5,	27.1,	27.1,	0.0);	(600570.0,	4134075.2,	27.2,
27.2,	0.0);						
(600576.8,	4134076.9,	27.3,	27.3,	0.0);	(600583.7,	4134078.6,	27.3,
27.3,	0.0);						
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27.4,	0.0);						
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27.6,	0.0);						
(600480.2,	4134118.7,	27.7,	27.7,	0.0);	(600475.6,	4134124.5,	27.7,
27.7,	0.0);						
(600470.9,	4134130.3,	27.7,	27.7,	0.0);	(600466.3,	4134136.1,	27.7,
27.7,	0.0);						
(600461.7,	4134141.8,	27.7,	27.7,	0.0);	(600457.0,	4134147.6,	27.7,
27.7,	0.0);						
(600452.4,	4134153.4,	27.6,	27.6,	0.0);	(600447.7,	4134159.2,	27.5,
27.5,	0.0);						
(600443.1,	4134165.0,	27.4,	27.4,	0.0);	(600438.4,	4134170.8,	27.4,
27.4,	0.0);						
(600433.8,	4134176.6,	27.4,	27.4,	0.0);	(600429.2,	4134182.3,	27.4,
27.4,	0.0);						
(600500.6,	4134090.1,	27.4,	27.4,	0.0);	(600512.5,	4134083.3,	27.4,
27.4,	0.0);						
(600524.5,	4134076.5,	27.4,	27.4,	0.0);	(600536.5,	4134069.8,	27.4,
27.4,	0.0);						
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27.2,	0.0);						
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27.4,	0.0);						
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27.4,	0.0);						
(600479.3,	4134108.5,	27.7,	27.7,	0.0);	(600474.7,	4134114.2,	27.7,
27.7,	0.0);						
(600470.0,	4134120.0,	27.7,	27.7,	0.0);	(600465.4,	4134125.8,	27.7,
27.7,	0.0);						
(600460.7,	4134131.6,	27.7,	27.7,	0.0);	(600456.1,	4134137.4,	27.7,
27.7,	0.0);						
(600451.4,	4134143.2,	27.7,	27.7,	0.0);	(600446.8,	4134149.0,	27.6,
27.6,	0.0);						

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600442.2, 4134154.7, 27.6, 27.6, 0.0);	(600437.5, 4134160.5, 27.5,
27.5, 0.0);	0.0);
(600432.9, 4134166.3, 27.4, 27.4, 0.0);	(600428.2, 4134172.1, 27.4,
27.4, 0.0);	0.0);
(600423.6, 4134177.9, 27.4, 27.4, 0.0);	(600502.4, 4134081.5, 27.4,
27.4, 0.0);	0.0);
(600515.3, 4134074.2, 27.4, 27.4, 0.0);	(600528.2, 4134066.9, 27.4,
27.4, 0.0);	0.0);
(600541.1, 4134059.6, 27.4, 27.4, 0.0);	(600554.7, 4134057.7, 27.2,
27.2, 0.0);	0.0);
(600561.9, 4134059.5, 27.1, 27.1, 0.0);	(600583.5, 4134064.9, 27.3,
27.3, 0.0);	0.0);
(600605.1, 4134070.3, 27.4, 27.4, 0.0);	(600612.2, 4134072.0, 27.4,
27.4, 0.0);	0.0);
(600473.7, 4134104.0, 27.7, 27.7, 0.0);	(600469.1, 4134109.8, 27.7,
27.7, 0.0);	0.0);
(600464.4, 4134115.6, 27.7, 27.7, 0.0);	(600459.8, 4134121.3, 27.7,
27.7, 0.0);	0.0);
(600455.2, 4134127.1, 27.7, 27.7, 0.0);	(600450.5, 4134132.9, 27.7,
27.7, 0.0);	0.0);
(600445.9, 4134138.7, 27.7, 27.7, 0.0);	(600441.2, 4134144.5, 27.6,
27.6, 0.0);	0.0);
(600436.6, 4134150.3, 27.6, 27.6, 0.0);	(600431.9, 4134156.1, 27.5,
27.5, 0.0);	0.0);
(600427.3, 4134161.8, 27.4, 27.4, 0.0);	(600422.7, 4134167.6, 27.4,
27.4, 0.0);	0.0);
(600418.0, 4134173.4, 27.4, 27.4, 0.0);	(600484.2, 4134076.5, 27.4,
27.4, 0.0);	0.0);
(600490.3, 4134073.0, 27.4, 27.4, 0.0);	(600496.4, 4134069.6, 27.4,
27.4, 0.0);	0.0);
(600502.6, 4134066.1, 27.4, 27.4, 0.0);	(600508.7, 4134062.6, 27.4,
27.4, 0.0);	0.0);
(600514.9, 4134059.1, 27.4, 27.4, 0.0);	(600521.0, 4134055.7, 27.4,
27.4, 0.0);	0.0);
(600527.2, 4134052.2, 27.4, 27.4, 0.0);	(600533.3, 4134048.7, 27.4,
27.4, 0.0);	0.0);
(600539.4, 4134045.2, 27.4, 27.4, 0.0);	(600552.4, 4134043.5, 27.2,
27.2, 0.0);	0.0);
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27.2, 0.0);	0.0);
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27.3, 0.0);	0.0);
(600586.7, 4134052.0, 27.4, 27.4, 0.0);	(600593.5, 4134053.7, 27.4,
27.4, 0.0);	0.0);
(600600.4, 4134055.4, 27.4, 27.4, 0.0);	(600607.2, 4134057.1, 27.4,
27.4, 0.0);	0.0);
(600614.1, 4134058.8, 27.4, 27.4, 0.0);	(600620.9, 4134060.5, 27.4,
27.4, 0.0);	0.0);
(600462.6, 4134095.0, 27.6, 27.6, 0.0);	(600457.9, 4134100.8, 27.7,
27.7, 0.0);	0.0);
(600453.3, 4134106.6, 27.7, 27.7, 0.0);	(600448.7, 4134112.4, 27.7,
27.7, 0.0);	0.0);
(600444.0, 4134118.2, 27.7, 27.7, 0.0);	(600439.4, 4134124.0, 27.7,
27.7, 0.0);	0.0);
(600434.7, 4134129.8, 27.7, 27.7, 0.0);	(600430.1, 4134135.5, 27.6,

27.6,	0.0);						
(600425.4,	4134141.3,	27.5,	27.5,	0.0);	(600420.8,	4134147.1,	27.5,
27.5,	0.0);						
(600416.2,	4134152.9,	27.4,	27.4,	0.0);	(600411.5,	4134158.7,	27.4,
27.4,	0.0);						
(600406.9,	4134164.5,	27.4,	27.4,	0.0);	(600467.1,	4134070.9,	27.4,
27.4,	0.0);						
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27.4,	0.0);						
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27.4,	0.0);						
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27.4,	0.0);						
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27.4,	0.0);						
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27.4,	0.0);						
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27.2,	0.0);						
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27.2,	0.0);						
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27.3,	0.0);						
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27.4,	0.0);						
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27.6,	0.0);						
(600437.5,	4134103.5,	27.7,	27.7,	0.0);	(600432.9,	4134109.2,	27.6,
27.6,	0.0);						
(600428.2,	4134115.0,	27.6,	27.6,	0.0);	(600423.6,	4134120.8,	27.5,
27.5,	0.0);						
(600418.9,	4134126.6,	27.5,	27.5,	0.0);	(600414.3,	4134132.4,	27.4,
27.4,	0.0);						
(600409.7,	4134138.2,	27.4,	27.4,	0.0);	(600405.0,	4134144.0,	27.4,
27.4,	0.0);						

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**MODELOPTs: RegDFault CONC ELEV

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

(600400.4,	4134149.8,	27.4,	27.4,	0.0);	(600395.7,	4134155.5,	27.4,
27.4,	0.0);						
(600474.2,	4134051.7,	27.4,	27.4,	0.0);	(600480.3,	4134048.2,	27.4,
27.4,	0.0);						
(600486.4,	4134044.7,	27.4,	27.4,	0.0);	(600492.6,	4134041.3,	27.4,
27.4,	0.0);						
(600498.7,	4134037.8,	27.4,	27.4,	0.0);	(600504.9,	4134034.3,	27.4,
27.4,	0.0);						
(600511.0,	4134030.8,	27.4,	27.4,	0.0);	(600517.2,	4134027.3,	27.4,
27.4,	0.0);						
(600523.3,	4134023.9,	27.4,	27.4,	0.0);	(600529.5,	4134020.4,	27.4,
27.4,	0.0);						
(600535.6,	4134016.9,	27.4,	27.4,	0.0);	(600548.6,	4134015.2,	27.3,
27.3,	0.0);						
(600555.4,	4134016.9,	27.2,	27.2,	0.0);	(600617.1,	4134032.2,	27.4,
27.4,	0.0);						
(600623.9,	4134033.9,	27.4,	27.4,	0.0);	(600630.8,	4134035.6,	27.4,

27.4,	0.0);						
(600637.6,	4134037.4,	27.4,	27.4,	0.0);	(600444.8,	4134053.1,	27.4,
27.4,	0.0);						
(600451.1,	4134049.5,	27.4,	27.4,	0.0);	(600457.5,	4134045.9,	27.4,
27.4,	0.0);						
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27.4,	0.0);						
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27.4,	0.0);						
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27.4,	0.0);						
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27.4,	0.0);						
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27.3,	0.0);						
(600589.2,	4134011.6,	27.4,	27.4,	0.0);	(600596.3,	4134013.4,	27.4,
27.4,	0.0);						
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27.4,	0.0);						
(600617.5,	4134018.7,	27.4,	27.4,	0.0);	(600624.6,	4134020.4,	27.4,
27.4,	0.0);						
(600631.6,	4134022.2,	27.4,	27.4,	0.0);	(600638.7,	4134023.9,	27.4,
27.4,	0.0);						
(600645.8,	4134025.7,	27.4,	27.4,	0.0);	(600424.5,	4134074.0,	27.4,
27.4,	0.0);						
(600419.9,	4134079.8,	27.4,	27.4,	0.0);	(600415.2,	4134085.6,	27.4,
27.4,	0.0);						
(600410.6,	4134091.4,	27.4,	27.4,	0.0);	(600405.9,	4134097.1,	27.4,
27.4,	0.0);						
(600401.3,	4134102.9,	27.4,	27.4,	0.0);	(600396.7,	4134108.7,	27.4,
27.4,	0.0);						
(600392.0,	4134114.5,	27.4,	27.4,	0.0);	(600387.4,	4134120.3,	27.4,
27.4,	0.0);						
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27.4,	0.0);						
(600373.4,	4134137.6,	27.4,	27.4,	0.0);	(600433.4,	4134044.2,	27.4,
27.4,	0.0);						
(600439.6,	4134040.8,	27.4,	27.4,	0.0);	(600445.7,	4134037.3,	27.4,
27.4,	0.0);						
(600451.9,	4134033.8,	27.4,	27.4,	0.0);	(600458.0,	4134030.3,	27.4,
27.4,	0.0);						
(600464.2,	4134026.8,	27.4,	27.4,	0.0);	(600470.3,	4134023.4,	27.4,
27.4,	0.0);						
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27.4,	0.0);						
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27.4,	0.0);						
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27.4,	0.0);						
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27.4,	0.0);						
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27.4,	0.0);						
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27.4,	0.0);						
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27.4,	0.0);						
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27.4,	0.0);						
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27.4,	0.0);						
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27.4,	0.0);						
(600654.3,	4134014.2,	27.4,	27.4,	0.0);	(600427.3,	4134047.7,	27.4,

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27.4,      0.0);
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27.4,      0.0);
( 600404.1, 4134076.6,      27.4,      27.4,      0.0);      ( 600399.4, 4134082.4,      27.4,
27.4,      0.0);
( 600394.8, 4134088.2,      27.4,      27.4,      0.0);      ( 600390.2, 4134094.0,      27.4,
27.4,      0.0);
( 600385.5, 4134099.8,      27.4,      27.4,      0.0);      ( 600380.9, 4134105.6,      27.4,
27.4,      0.0);
    
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**MODELOPTs: RegDFAULT CONC ELEV

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

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( 600376.2, 4134111.3,      27.4,      27.4,      0.0);      ( 600371.6, 4134117.1,      27.4,
27.4,      0.0);
( 600366.9, 4134122.9,      27.4,      27.4,      0.0);      ( 600362.3, 4134128.7,      27.4,
27.4,      0.0);
( 600422.5, 4134035.2,      27.4,      27.4,      0.0);      ( 600428.8, 4134031.6,      27.4,
27.4,      0.0);
( 600435.1, 4134028.1,      27.4,      27.4,      0.0);      ( 600441.4, 4134024.5,      27.4,
27.4,      0.0);
( 600447.7, 4134020.9,      27.4,      27.4,      0.0);      ( 600454.0, 4134017.4,      27.4,
27.4,      0.0);
( 600460.3, 4134013.8,      27.4,      27.4,      0.0);      ( 600466.6, 4134010.2,      27.4,
27.4,      0.0);
( 600472.9, 4134006.7,      27.4,      27.4,      0.0);      ( 600479.2, 4134003.1,      27.4,
27.4,      0.0);
( 600485.5, 4133999.5,      27.4,      27.4,      0.0);      ( 600529.7, 4133974.5,      27.4,
27.4,      0.0);
( 600543.0, 4133972.7,      27.4,      27.4,      0.0);      ( 600550.0, 4133974.5,      27.4,
27.4,      0.0);
( 600557.0, 4133976.2,      27.4,      27.4,      0.0);      ( 600564.1, 4133978.0,      27.4,
27.4,      0.0);
( 600571.1, 4133979.8,      27.4,      27.4,      0.0);      ( 600578.1, 4133981.5,      27.4,
27.4,      0.0);
( 600585.2, 4133983.2,      27.4,      27.4,      0.0);      ( 600592.2, 4133985.0,      27.4,
27.4,      0.0);
( 600599.2, 4133986.8,      27.4,      27.4,      0.0);      ( 600606.2, 4133988.5,      27.4,
27.4,      0.0);
( 600613.3, 4133990.3,      27.4,      27.4,      0.0);      ( 600620.3, 4133992.0,      27.4,
27.4,      0.0);
( 600627.3, 4133993.8,      27.4,      27.4,      0.0);      ( 600634.4, 4133995.5,      27.4,
27.4,      0.0);
( 600641.4, 4133997.3,      27.4,      27.4,      0.0);      ( 600648.4, 4133999.0,      27.4,
27.4,      0.0);
( 600655.5, 4134000.8,      27.4,      27.4,      0.0);      ( 600662.5, 4134002.5,      27.4,
27.4,      0.0);
( 600416.2, 4134038.8,      27.4,      27.4,      0.0);      ( 600402.2, 4134056.1,      27.4,
27.4,      0.0);
( 600397.6, 4134061.9,      27.4,      27.4,      0.0);      ( 600392.9, 4134067.7,      27.4,
27.4,      0.0);
( 600388.3, 4134073.5,      27.4,      27.4,      0.0);      ( 600383.7, 4134079.3,      27.4,
27.4,      0.0);
( 600379.0, 4134085.0,      27.4,      27.4,      0.0);      ( 600374.4, 4134090.8,      27.4,
27.4,      0.0);
( 600369.7, 4134096.6,      27.4,      27.4,      0.0);      ( 600365.1, 4134102.4,      27.4,
27.4,      0.0);
    
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27.4,	0.0);						
(600360.4,	4134108.2,	27.4,	27.4,	0.0);	(600355.8,	4134114.0,	27.4,
27.4,	0.0);						
(600351.2,	4134119.8,	27.4,	27.4,	0.0);	(600411.5,	4134026.2,	27.4,
27.4,	0.0);						
(600417.9,	4134022.5,	27.4,	27.4,	0.0);	(600424.4,	4134018.9,	27.4,
27.4,	0.0);						
(600430.8,	4134015.2,	27.4,	27.4,	0.0);	(600437.3,	4134011.6,	27.4,
27.4,	0.0);						
(600443.7,	4134007.9,	27.4,	27.4,	0.0);	(600450.2,	4134004.3,	27.4,
27.4,	0.0);						
(600456.6,	4134000.6,	27.4,	27.4,	0.0);	(600463.1,	4133997.0,	27.4,
27.4,	0.0);						
(600469.5,	4133993.3,	27.4,	27.4,	0.0);	(600476.0,	4133989.7,	27.4,
27.4,	0.0);						
(600482.4,	4133986.0,	27.4,	27.4,	0.0);	(600488.9,	4133982.4,	27.4,
27.4,	0.0);						
(600495.3,	4133978.7,	27.4,	27.4,	0.0);	(600527.6,	4133960.5,	27.4,
27.4,	0.0);						
(600541.2,	4133958.6,	27.4,	27.4,	0.0);	(600548.4,	4133960.4,	27.4,
27.4,	0.0);						
(600555.6,	4133962.2,	27.4,	27.4,	0.0);	(600562.8,	4133964.0,	27.4,
27.4,	0.0);						
(600570.0,	4133965.8,	27.4,	27.4,	0.0);	(600577.2,	4133967.6,	27.4,
27.4,	0.0);						
(600584.4,	4133969.4,	27.4,	27.4,	0.0);	(600591.6,	4133971.2,	27.4,
27.4,	0.0);						
(600598.8,	4133973.0,	27.4,	27.4,	0.0);	(600606.0,	4133974.8,	27.4,
27.4,	0.0);						
(600613.1,	4133976.5,	27.4,	27.4,	0.0);	(600620.3,	4133978.3,	27.4,
27.4,	0.0);						
(600627.5,	4133980.1,	27.4,	27.4,	0.0);	(600634.7,	4133981.9,	27.4,
27.4,	0.0);						
(600641.9,	4133983.7,	27.4,	27.4,	0.0);	(600649.1,	4133985.5,	27.4,
27.4,	0.0);						
(600656.3,	4133987.3,	27.4,	27.4,	0.0);	(600663.5,	4133989.1,	27.4,
27.4,	0.0);						
(600670.7,	4133990.9,	27.4,	27.4,	0.0);	(600405.0,	4134029.8,	27.4,
27.4,	0.0);						
(600386.4,	4134053.0,	27.4,	27.4,	0.0);	(600381.8,	4134058.8,	27.4,
27.4,	0.0);						
(600377.2,	4134064.5,	27.4,	27.4,	0.0);	(600372.5,	4134070.3,	27.4,
27.4,	0.0);						
(600367.9,	4134076.1,	27.4,	27.4,	0.0);	(600363.2,	4134081.9,	27.4,
27.4,	0.0);						
(600358.6,	4134087.7,	27.4,	27.4,	0.0);	(600353.9,	4134093.5,	27.4,
27.4,	0.0);						

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600349.3,	4134099.2,	27.4,	27.4,	0.0);	(600344.7,	4134105.0,	27.4,
27.4,	0.0);						
(600340.0,	4134110.8,	27.4,	27.4,	0.0);	(600390.9,	4134009.8,	27.4,
27.4,	0.0);						
(600397.2,	4134006.2,	27.4,	27.4,	0.0);	(600403.6,	4134002.6,	27.4,

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27.4,	0.0);						
(600409.9,	4133999.0,	27.4,	27.4,	0.0);	(600416.3,	4133995.4,	27.4,
27.4,	0.0);						
(600422.6,	4133991.8,	27.4,	27.4,	0.0);	(600429.0,	4133988.3,	27.4,
27.4,	0.0);						
(600435.3,	4133984.7,	27.4,	27.4,	0.0);	(600441.7,	4133981.1,	27.4,
27.4,	0.0);						
(600448.0,	4133977.5,	27.4,	27.4,	0.0);	(600454.3,	4133973.9,	27.4,
27.4,	0.0);						
(600460.7,	4133970.3,	27.4,	27.4,	0.0);	(600467.0,	4133966.7,	27.4,
27.4,	0.0);						
(600492.4,	4133952.4,	27.4,	27.4,	0.0);	(600498.8,	4133948.8,	27.4,
27.4,	0.0);						
(600505.1,	4133945.2,	27.4,	27.4,	0.0);	(600511.5,	4133941.6,	27.4,
27.4,	0.0);						
(600517.8,	4133938.0,	27.4,	27.4,	0.0);	(600524.1,	4133934.4,	27.4,
27.4,	0.0);						
(600544.6,	4133934.3,	27.4,	27.4,	0.0);	(600551.7,	4133936.1,	27.4,
27.4,	0.0);						
(600558.8,	4133937.9,	27.4,	27.4,	0.0);	(600565.9,	4133939.6,	27.4,
27.4,	0.0);						
(600572.9,	4133941.4,	27.4,	27.4,	0.0);	(600580.0,	4133943.2,	27.4,
27.4,	0.0);						
(600587.1,	4133944.9,	27.4,	27.4,	0.0);	(600594.2,	4133946.7,	27.4,
27.4,	0.0);						
(600601.2,	4133948.5,	27.4,	27.4,	0.0);	(600608.3,	4133950.2,	27.4,
27.4,	0.0);						
(600615.4,	4133952.0,	27.4,	27.4,	0.0);	(600622.5,	4133953.8,	27.4,
27.4,	0.0);						
(600629.5,	4133955.5,	27.4,	27.4,	0.0);	(600636.6,	4133957.3,	27.4,
27.4,	0.0);						
(600643.7,	4133959.0,	27.4,	27.4,	0.0);	(600650.8,	4133960.8,	27.4,
27.4,	0.0);						
(600657.8,	4133962.6,	27.4,	27.4,	0.0);	(600664.9,	4133964.3,	27.4,
27.4,	0.0);						
(600672.0,	4133966.1,	27.4,	27.4,	0.0);	(600679.1,	4133967.9,	27.4,
27.4,	0.0);						
(600686.1,	4133969.6,	27.4,	27.4,	0.0);	(600384.5,	4134013.4,	27.4,
27.4,	0.0);						
(600379.9,	4134019.2,	27.4,	27.4,	0.0);	(600366.0,	4134036.5,	27.4,
27.4,	0.0);						
(600361.3,	4134042.3,	27.4,	27.4,	0.0);	(600356.7,	4134048.1,	27.4,
27.4,	0.0);						
(600352.0,	4134053.9,	27.4,	27.4,	0.0);	(600347.4,	4134059.7,	27.4,
27.4,	0.0);						
(600342.8,	4134065.5,	27.4,	27.4,	0.0);	(600338.1,	4134071.2,	27.4,
27.4,	0.0);						
(600333.5,	4134077.0,	27.4,	27.4,	0.0);	(600328.8,	4134082.8,	27.4,
27.4,	0.0);						
(600324.2,	4134088.6,	27.4,	27.4,	0.0);	(600319.5,	4134094.4,	27.4,
27.4,	0.0);						
(600370.3,	4133993.4,	27.4,	27.4,	0.0);	(600376.6,	4133989.9,	27.4,
27.4,	0.0);						
(600382.9,	4133986.3,	27.4,	27.4,	0.0);	(600389.1,	4133982.8,	27.4,
27.4,	0.0);						
(600395.4,	4133979.2,	27.4,	27.4,	0.0);	(600401.7,	4133975.7,	27.4,
27.4,	0.0);						
(600407.9,	4133972.2,	27.4,	27.4,	0.0);	(600414.2,	4133968.6,	27.4,
27.4,	0.0);						
(600420.5,	4133965.1,	27.4,	27.4,	0.0);	(600426.7,	4133961.5,	27.4,
27.4,	0.0);						
(600433.0,	4133958.0,	27.4,	27.4,	0.0);	(600439.2,	4133954.4,	27.4,
27.4,	0.0);						
(600445.5,	4133950.9,	27.4,	27.4,	0.0);	(600464.3,	4133940.2,	27.4,

27.4,	0.0);						
(600470.6,	4133936.7,	27.4,	27.4,	0.0);	(600476.8,	4133933.2,	27.4,
27.4,	0.0);						
(600483.1,	4133929.6,	27.4,	27.4,	0.0);	(600489.4,	4133926.1,	27.4,
27.4,	0.0);						
(600495.6,	4133922.5,	27.4,	27.4,	0.0);	(600501.9,	4133919.0,	27.4,
27.4,	0.0);						
(600508.2,	4133915.4,	27.4,	27.4,	0.0);	(600514.4,	4133911.9,	27.4,
27.4,	0.0);						
(600520.7,	4133908.3,	27.4,	27.4,	0.0);	(600533.9,	4133906.5,	27.4,
27.4,	0.0);						
(600540.9,	4133908.3,	27.4,	27.4,	0.0);	(600561.9,	4133913.5,	27.4,
27.4,	0.0);						
(600568.9,	4133915.3,	27.4,	27.4,	0.0);	(600575.8,	4133917.0,	27.4,
27.4,	0.0);						
(600582.8,	4133918.7,	27.4,	27.4,	0.0);	(600589.8,	4133920.5,	27.4,
27.4,	0.0);						
(600596.8,	4133922.2,	27.4,	27.4,	0.0);	(600603.8,	4133924.0,	27.4,
27.4,	0.0);						
(600610.8,	4133925.7,	27.4,	27.4,	0.0);	(600617.7,	4133927.4,	27.4,
27.4,	0.0);						

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

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

(600624.7,	4133929.2,	27.4,	27.4,	0.0);	(600631.7,	4133930.9,	27.4,
27.4,	0.0);						
(600638.7,	4133932.7,	27.4,	27.4,	0.0);	(600645.7,	4133934.4,	27.4,
27.4,	0.0);						
(600652.7,	4133936.1,	27.4,	27.4,	0.0);	(600659.7,	4133937.9,	27.4,
27.4,	0.0);						
(600666.6,	4133939.6,	27.4,	27.4,	0.0);	(600673.6,	4133941.4,	27.4,
27.4,	0.0);						
(600680.6,	4133943.1,	27.4,	27.4,	0.0);	(600687.6,	4133944.9,	27.4,
27.4,	0.0);						
(600694.6,	4133946.6,	27.4,	27.4,	0.0);	(600701.6,	4133948.3,	27.4,
27.4,	0.0);						
(600364.1,	4133997.0,	27.4,	27.4,	0.0);	(600359.4,	4134002.8,	27.4,
27.4,	0.0);						
(600345.5,	4134020.1,	27.4,	27.4,	0.0);	(600340.9,	4134025.9,	27.4,
27.4,	0.0);						
(600336.2,	4134031.7,	27.4,	27.4,	0.0);	(600331.6,	4134037.5,	27.4,
27.4,	0.0);						
(600326.9,	4134043.2,	27.4,	27.4,	0.0);	(600322.3,	4134049.0,	27.4,
27.4,	0.0);						
(600317.6,	4134054.8,	27.4,	27.4,	0.0);	(600313.0,	4134060.6,	27.4,
27.4,	0.0);						
(600308.4,	4134066.4,	27.4,	27.4,	0.0);	(600303.7,	4134072.2,	27.4,
27.4,	0.0);						
(600299.1,	4134078.0,	27.4,	27.4,	0.0);	(600350.0,	4133976.9,	27.4,
27.4,	0.0);						
(600356.4,	4133973.3,	27.4,	27.4,	0.0);	(600362.9,	4133969.6,	27.4,
27.4,	0.0);						
(600369.3,	4133966.0,	27.4,	27.4,	0.0);	(600375.7,	4133962.4,	27.4,
27.4,	0.0);						
(600382.1,	4133958.7,	27.4,	27.4,	0.0);	(600388.6,	4133955.1,	27.4,

27.4,	0.0);						
(600395.0,	4133951.5,	27.4,	27.4,	0.0);	(600401.4,	4133947.8,	27.4,
27.4,	0.0);						
(600407.8,	4133944.2,	27.4,	27.4,	0.0);	(600414.2,	4133940.6,	27.4,
27.4,	0.0);						
(600420.7,	4133936.9,	27.4,	27.4,	0.0);	(600439.9,	4133926.0,	27.4,
27.4,	0.0);						
(600446.4,	4133922.4,	27.4,	27.4,	0.0);	(600452.8,	4133918.8,	27.4,
27.4,	0.0);						
(600459.2,	4133915.1,	27.4,	27.4,	0.0);	(600465.6,	4133911.5,	27.4,
27.4,	0.0);						
(600472.0,	4133907.9,	27.4,	27.4,	0.0);	(600478.5,	4133904.2,	27.4,
27.4,	0.0);						
(600484.9,	4133900.6,	27.4,	27.4,	0.0);	(600491.3,	4133897.0,	27.4,
27.4,	0.0);						
(600497.7,	4133893.3,	27.4,	27.4,	0.0);	(600504.1,	4133889.7,	27.4,
27.4,	0.0);						
(600510.6,	4133886.1,	27.4,	27.4,	0.0);	(600517.0,	4133882.4,	27.4,
27.4,	0.0);						
(600530.6,	4133880.6,	27.4,	27.4,	0.0);	(600537.7,	4133882.4,	27.4,
27.4,	0.0);						
(600544.9,	4133884.1,	27.4,	27.4,	0.0);	(600552.1,	4133885.9,	27.4,
27.4,	0.0);						
(600573.5,	4133891.3,	27.4,	27.4,	0.0);	(600580.7,	4133893.1,	27.4,
27.4,	0.0);						
(600587.9,	4133894.9,	27.4,	27.4,	0.0);	(600595.0,	4133896.6,	27.4,
27.4,	0.0);						
(600602.2,	4133898.4,	27.4,	27.4,	0.0);	(600609.3,	4133900.2,	27.4,
27.4,	0.0);						
(600616.5,	4133902.0,	27.4,	27.4,	0.0);	(600623.6,	4133903.8,	27.4,
27.4,	0.0);						
(600630.8,	4133905.6,	27.4,	27.4,	0.0);	(600638.0,	4133907.4,	27.4,
27.4,	0.0);						
(600645.1,	4133909.1,	27.4,	27.4,	0.0);	(600652.3,	4133910.9,	27.4,
27.4,	0.0);						
(600659.4,	4133912.7,	27.4,	27.4,	0.0);	(600666.6,	4133914.5,	27.4,
27.4,	0.0);						
(600673.8,	4133916.3,	27.4,	27.4,	0.0);	(600680.9,	4133918.1,	27.4,
27.4,	0.0);						
(600688.1,	4133919.9,	27.4,	27.4,	0.0);	(600695.2,	4133921.6,	27.4,
27.4,	0.0);						
(600702.4,	4133923.4,	27.4,	27.4,	0.0);	(600709.6,	4133925.2,	27.4,
27.4,	0.0);						
(600716.7,	4133927.0,	27.4,	27.4,	0.0);	(600343.6,	4133980.5,	27.4,
27.4,	0.0);						
(600339.0,	4133986.3,	27.4,	27.4,	0.0);	(600334.3,	4133992.1,	27.4,
27.4,	0.0);						
(600320.4,	4134009.5,	27.4,	27.4,	0.0);	(600315.7,	4134015.2,	27.4,
27.4,	0.0);						
(600311.1,	4134021.0,	27.4,	27.4,	0.0);	(600306.5,	4134026.8,	27.4,
27.4,	0.0);						
(600301.8,	4134032.6,	27.4,	27.4,	0.0);	(600297.2,	4134038.4,	27.4,
27.4,	0.0);						
(600292.5,	4134044.2,	27.4,	27.4,	0.0);	(600287.9,	4134050.0,	27.4,
27.4,	0.0);						
(600283.2,	4134055.8,	27.4,	27.4,	0.0);	(600278.6,	4134061.5,	27.4,
27.4,	0.0);						
(600329.5,	4133960.5,	27.4,	27.4,	0.0);	(600335.8,	4133956.9,	27.4,
27.4,	0.0);						

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION
 01/05/16

*** AERMET - VERSION 15181 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV

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

(600342.2, 4133953.3, 27.4, 27.4, 0.0);	(600348.5, 4133949.8, 27.4, 27.4, 0.0);
(600354.9, 4133946.1, 27.4, 27.4, 0.0);	(600361.2, 4133942.6, 27.4, 27.4, 0.0);
(600367.6, 4133939.0, 27.4, 27.4, 0.0);	(600373.9, 4133935.4, 27.4, 27.4, 0.0);
(600380.2, 4133931.8, 27.4, 27.4, 0.0);	(600386.6, 4133928.2, 27.4, 27.4, 0.0);
(600392.9, 4133924.6, 27.4, 27.4, 0.0);	(600399.3, 4133921.0, 27.4, 27.4, 0.0);
(600418.3, 4133910.2, 27.4, 27.4, 0.0);	(600424.7, 4133906.6, 27.4, 27.4, 0.0);
(600431.0, 4133903.1, 27.4, 27.4, 0.0);	(600437.4, 4133899.5, 27.4, 27.4, 0.0);
(600443.7, 4133895.9, 27.4, 27.4, 0.0);	(600450.1, 4133892.3, 27.4, 27.4, 0.0);
(600456.4, 4133888.7, 27.4, 27.4, 0.0);	(600462.8, 4133885.1, 27.4, 27.4, 0.0);
(600469.1, 4133881.5, 27.4, 27.4, 0.0);	(600475.4, 4133877.9, 27.4, 27.4, 0.0);
(600481.8, 4133874.3, 27.4, 27.4, 0.0);	(600488.1, 4133870.7, 27.4, 27.4, 0.0);
(600494.5, 4133867.1, 27.4, 27.4, 0.0);	(600500.8, 4133863.6, 27.5, 27.5, 0.0);
(600507.2, 4133860.0, 27.5, 27.5, 0.0);	(600513.5, 4133856.4, 27.5, 27.5, 0.0);
(600527.0, 4133854.5, 27.6, 27.6, 0.0);	(600534.0, 4133856.3, 27.5, 27.5, 0.0);
(600541.1, 4133858.1, 27.5, 27.5, 0.0);	(600548.2, 4133859.8, 27.5, 27.5, 0.0);
(600555.2, 4133861.6, 27.5, 27.5, 0.0);	(600562.3, 4133863.4, 27.5, 27.5, 0.0);
(600569.4, 4133865.1, 27.5, 27.5, 0.0);	(600583.6, 4133868.7, 27.6, 27.6, 0.0);
(600590.6, 4133870.4, 27.7, 27.7, 0.0);	(600597.7, 4133872.2, 27.7, 27.7, 0.0);
(600604.8, 4133874.0, 27.7, 27.7, 0.0);	(600611.9, 4133875.7, 27.6, 27.6, 0.0);
(600618.9, 4133877.5, 27.6, 27.6, 0.0);	(600626.0, 4133879.2, 27.6, 27.6, 0.0);
(600633.1, 4133881.0, 27.6, 27.6, 0.0);	(600640.2, 4133882.8, 27.6, 27.6, 0.0);
(600647.2, 4133884.5, 27.6, 27.6, 0.0);	(600654.3, 4133886.3, 27.5, 27.5, 0.0);
(600661.4, 4133888.1, 27.5, 27.5, 0.0);	(600668.5, 4133889.8, 27.5, 27.5, 0.0);
(600675.5, 4133891.6, 27.5, 27.5, 0.0);	(600682.6, 4133893.4, 27.5, 27.5, 0.0);
(600689.7, 4133895.1, 27.4, 27.4, 0.0);	(600696.8, 4133896.9, 27.4, 27.4, 0.0);
(600703.8, 4133898.7, 27.4, 27.4, 0.0);	(600710.9, 4133900.4, 27.4, 27.4, 0.0);
(600718.0, 4133902.2, 27.4, 27.4, 0.0);	(600725.1, 4133903.9, 27.4, 27.4, 0.0);
(600732.1, 4133905.7, 27.4, 27.4, 0.0);	(600323.1, 4133964.1, 27.4, 27.4, 0.0);
(600318.5, 4133969.9, 27.4, 27.4, 0.0);	(600313.8, 4133975.7, 27.4, 27.4, 0.0);

27.4,	0.0);						
(600299.9,	4133993.0,	27.4,	27.4,	0.0);	(600295.3,	4133998.8,	27.4,
27.4,	0.0);						
(600290.6,	4134004.6,	27.4,	27.4,	0.0);	(600286.0,	4134010.4,	27.4,
27.4,	0.0);						
(600281.3,	4134016.2,	27.4,	27.4,	0.0);	(600276.7,	4134022.0,	27.4,
27.4,	0.0);						
(600272.1,	4134027.8,	27.4,	27.4,	0.0);	(600267.4,	4134033.5,	27.4,
27.4,	0.0);						
(600262.8,	4134039.3,	27.4,	27.4,	0.0);	(600258.1,	4134045.1,	27.4,
27.4,	0.0);						
(600448.8,	4134210.2,	27.4,	27.4,	0.0);	(600439.2,	4134221.0,	27.4,
27.4,	0.0);						
(600441.9,	4134210.9,	27.4,	27.4,	0.0);	(600429.5,	4134232.2,	27.4,
27.4,	0.0);						
(600432.2,	4134221.9,	27.4,	27.4,	0.0);	(600434.9,	4134211.7,	27.4,
27.4,	0.0);						
(600437.6,	4134201.5,	27.4,	27.4,	0.0);	(600419.8,	4134243.5,	27.4,
27.4,	0.0);						
(600422.5,	4134233.2,	27.4,	27.4,	0.0);	(600425.2,	4134222.9,	27.4,
27.4,	0.0);						
(600427.9,	4134212.6,	27.4,	27.4,	0.0);	(600430.7,	4134202.3,	27.4,
27.4,	0.0);						
(600412.8,	4134244.6,	27.4,	27.4,	0.0);	(600415.5,	4134234.2,	27.4,
27.4,	0.0);						
(600418.2,	4134223.8,	27.4,	27.4,	0.0);	(600421.0,	4134213.5,	27.4,
27.4,	0.0);						
(600423.7,	4134203.1,	27.4,	27.4,	0.0);	(600426.4,	4134192.7,	27.4,
27.4,	0.0);						
(600407.3,	4134255.4,	27.4,	27.4,	0.0);	(600405.7,	4134245.7,	27.4,
27.4,	0.0);						
(600408.5,	4134235.3,	27.4,	27.4,	0.0);	(600411.2,	4134224.8,	27.4,
27.4,	0.0);						

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

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

(600414.0,	4134214.4,	27.4,	27.4,	0.0);	(600416.7,	4134204.0,	27.4,
27.4,	0.0);						
(600419.5,	4134193.5,	27.4,	27.4,	0.0);	(600398.7,	4134246.8,	27.4,
27.4,	0.0);						
(600401.4,	4134236.3,	27.4,	27.4,	0.0);	(600404.2,	4134225.9,	27.4,
27.4,	0.0);						
(600407.0,	4134215.4,	27.4,	27.4,	0.0);	(600409.7,	4134204.9,	27.4,
27.4,	0.0);						
(600412.5,	4134194.4,	27.4,	27.4,	0.0);	(600415.2,	4134183.9,	27.4,
27.4,	0.0);						
(600387.4,	4134238.5,	27.4,	27.4,	0.0);	(600390.2,	4134227.9,	27.4,
27.4,	0.0);						
(600393.0,	4134217.4,	27.4,	27.4,	0.0);	(600395.7,	4134206.8,	27.4,
27.4,	0.0);						
(600398.5,	4134196.2,	27.4,	27.4,	0.0);	(600401.3,	4134185.6,	27.4,
27.4,	0.0);						
(600404.1,	4134175.0,	27.4,	27.4,	0.0);	(600387.2,	4134284.3,	27.4,
27.4,	0.0);						
(600381.2,	4134275.1,	27.4,	27.4,	0.0);	(600375.1,	4134265.9,	27.4,

27.4,	0.0);						
(600376.1,	4134230.1,	27.4,	27.4,	0.0);	(600378.9,	4134219.4,	27.4,
27.4,	0.0);						
(600381.7,	4134208.8,	27.4,	27.4,	0.0);	(600384.5,	4134198.1,	27.4,
27.4,	0.0);						
(600387.3,	4134187.5,	27.4,	27.4,	0.0);	(600390.1,	4134176.8,	27.4,
27.4,	0.0);						
(600392.9,	4134166.2,	27.4,	27.4,	0.0);	(600379.3,	4134296.0,	27.3,
27.3,	0.0);						
(600373.2,	4134286.8,	27.4,	27.4,	0.0);	(600367.2,	4134277.5,	27.4,
27.4,	0.0);						
(600361.1,	4134268.2,	27.4,	27.4,	0.0);	(600356.4,	4134253.6,	27.4,
27.4,	0.0);						
(600364.9,	4134221.5,	27.4,	27.4,	0.0);	(600367.7,	4134210.8,	27.4,
27.4,	0.0);						
(600370.5,	4134200.1,	27.4,	27.4,	0.0);	(600373.3,	4134189.4,	27.4,
27.4,	0.0);						
(600376.1,	4134178.7,	27.4,	27.4,	0.0);	(600367.2,	4134301.4,	27.3,
27.3,	0.0);						
(600361.4,	4134292.5,	27.4,	27.4,	0.0);	(600355.5,	4134283.6,	27.4,
27.4,	0.0);						
(600349.7,	4134274.6,	27.4,	27.4,	0.0);	(600343.8,	4134265.7,	27.3,
27.3,	0.0);						
(600342.3,	4134256.1,	27.3,	27.3,	0.0);	(600345.0,	4134245.8,	27.4,
27.4,	0.0);						
(600347.7,	4134235.5,	27.4,	27.4,	0.0);	(600353.1,	4134214.9,	27.4,
27.4,	0.0);						
(600355.8,	4134204.6,	27.4,	27.4,	0.0);	(600369.4,	4134153.1,	27.4,
27.4,	0.0);						
(600359.2,	4134312.9,	27.2,	27.2,	0.0);	(600353.3,	4134303.9,	27.2,
27.2,	0.0);						
(600347.4,	4134295.0,	27.3,	27.3,	0.0);	(600341.5,	4134286.0,	27.3,
27.3,	0.0);						
(600335.6,	4134277.0,	27.2,	27.2,	0.0);	(600329.8,	4134268.1,	27.2,
27.2,	0.0);						
(600328.2,	4134258.4,	27.2,	27.2,	0.0);	(600330.9,	4134248.0,	27.3,
27.3,	0.0);						
(600333.6,	4134237.6,	27.4,	27.4,	0.0);	(600336.4,	4134227.3,	27.4,
27.4,	0.0);						
(600347.3,	4134185.8,	27.4,	27.4,	0.0);	(600350.0,	4134175.4,	27.4,
27.4,	0.0);						
(600352.7,	4134165.0,	27.4,	27.4,	0.0);	(600355.5,	4134154.6,	27.4,
27.4,	0.0);						
(600358.2,	4134144.3,	27.4,	27.4,	0.0);	(600351.2,	4134324.5,	27.1,
27.1,	0.0);						
(600345.3,	4134315.5,	27.1,	27.1,	0.0);	(600339.3,	4134306.5,	27.2,
27.2,	0.0);						
(600333.4,	4134297.5,	27.2,	27.2,	0.0);	(600327.5,	4134288.4,	27.2,
27.2,	0.0);						
(600321.6,	4134279.4,	27.1,	27.1,	0.0);	(600315.7,	4134270.4,	27.1,
27.1,	0.0);						
(600314.1,	4134260.7,	27.1,	27.1,	0.0);	(600316.8,	4134250.2,	27.2,
27.2,	0.0);						
(600330.6,	4134198.0,	27.4,	27.4,	0.0);	(600333.3,	4134187.6,	27.4,
27.4,	0.0);						
(600336.1,	4134177.2,	27.4,	27.4,	0.0);	(600338.8,	4134166.7,	27.4,
27.4,	0.0);						
(600341.5,	4134156.3,	27.4,	27.4,	0.0);	(600344.3,	4134145.9,	27.4,
27.4,	0.0);						
(600347.0,	4134135.4,	27.4,	27.4,	0.0);	(600343.2,	4134336.2,	27.1,
27.1,	0.0);						
(600337.3,	4134327.1,	27.1,	27.1,	0.0);	(600331.3,	4134318.1,	27.1,
27.1,	0.0);						
(600325.4,	4134309.0,	27.1,	27.1,	0.0);	(600319.4,	4134299.9,	27.1,

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27.1,      0.0);
( 600313.5, 4134290.9,      27.1,      27.1,      0.0);      ( 600307.5, 4134281.8,      27.1,
27.1,      0.0);
( 600301.6, 4134272.7,      27.1,      27.1,      0.0);      ( 600308.3, 4134231.5,      27.2,
27.2,      0.0);
( 600311.0, 4134221.0,      27.3,      27.3,      0.0);      ( 600313.8, 4134210.5,      27.4,
27.4,      0.0);
    
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*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

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( 600322.1, 4134179.0,      27.4,      27.4,      0.0);      ( 600324.8, 4134168.5,      27.4,
27.4,      0.0);
( 600327.6, 4134158.0,      27.4,      27.4,      0.0);      ( 600330.4, 4134147.5,      27.4,
27.4,      0.0);
( 600333.1, 4134137.0,      27.4,      27.4,      0.0);      ( 600335.9, 4134126.6,      27.4,
27.4,      0.0);
( 600326.2, 4134353.9,      26.9,      26.9,      0.0);      ( 600320.2, 4134344.8,      26.8,
26.8,      0.0);
( 600314.3, 4134335.8,      26.9,      26.9,      0.0);      ( 600308.3, 4134326.7,      26.9,
26.9,      0.0);
( 600302.4, 4134317.7,      26.9,      26.9,      0.0);      ( 600296.5, 4134308.6,      26.9,
26.9,      0.0);
( 600290.5, 4134299.6,      27.0,      27.0,      0.0);      ( 600284.6, 4134290.5,      27.0,
27.0,      0.0);
( 600274.1, 4134267.2,      27.1,      27.1,      0.0);      ( 600276.8, 4134256.7,      27.1,
27.1,      0.0);
( 600279.6, 4134246.2,      27.1,      27.1,      0.0);      ( 600282.3, 4134235.8,      27.1,
27.1,      0.0);
( 600285.1, 4134225.3,      27.1,      27.1,      0.0);      ( 600287.9, 4134214.8,      27.2,
27.2,      0.0);
( 600290.6, 4134204.3,      27.3,      27.3,      0.0);      ( 600293.4, 4134193.9,      27.4,
27.4,      0.0);
( 600301.6, 4134162.5,      27.4,      27.4,      0.0);      ( 600304.4, 4134152.0,      27.4,
27.4,      0.0);
( 600307.1, 4134141.5,      27.4,      27.4,      0.0);      ( 600309.9, 4134131.0,      27.4,
27.4,      0.0);
( 600312.7, 4134120.6,      27.4,      27.4,      0.0);      ( 600315.4, 4134110.1,      27.4,
27.4,      0.0);
( 600312.0, 4134376.1,      26.8,      26.8,      0.0);      ( 600306.1, 4134367.0,      26.8,
26.8,      0.0);
( 600300.2, 4134358.0,      26.8,      26.8,      0.0);      ( 600294.2, 4134348.9,      26.8,
26.8,      0.0);
( 600288.3, 4134339.9,      26.8,      26.8,      0.0);      ( 600282.4, 4134330.9,      26.8,
26.8,      0.0);
( 600276.4, 4134321.8,      26.8,      26.8,      0.0);      ( 600270.5, 4134312.8,      26.8,
26.8,      0.0);
( 600258.7, 4134294.7,      26.8,      26.8,      0.0);      ( 600252.7, 4134285.7,      26.8,
26.8,      0.0);
( 600248.2, 4134271.4,      27.0,      27.0,      0.0);      ( 600250.9, 4134260.9,      27.1,
27.1,      0.0);
( 600253.7, 4134250.5,      27.1,      27.1,      0.0);      ( 600256.4, 4134240.0,      27.1,
27.1,      0.0);
( 600259.2, 4134229.6,      27.1,      27.1,      0.0);      ( 600261.9, 4134219.1,      27.1,
27.1,      0.0);
( 600264.7, 4134208.7,      27.1,      27.1,      0.0);      ( 600267.4, 4134198.2,      27.2,
27.2,      0.0);
    
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27.2, (600270.2, 4134187.8, 27.4, 0.0);	27.3, 27.3, 0.0);	27.3, 27.3, 0.0);	(600272.9, 4134177.3, 27.4,
(600281.2, 4134145.9, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600283.9, 4134135.5, 27.4,
(600294.9, 4134093.6, 26.7, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600293.7, 4134391.8, 26.7,
(600287.6, 4134382.6, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600281.6, 4134373.3, 26.8,
(600275.5, 4134364.1, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600269.4, 4134354.8, 26.8,
(600263.4, 4134345.6, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600257.3, 4134336.3, 26.8,
(600239.1, 4134308.6, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600233.0, 4134299.3, 26.8,
(600227.0, 4134290.1, 26.9, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600222.3, 4134275.5, 26.9,
(600225.1, 4134264.8, 27.1, 0.0);	27.0, 27.0, 0.0);	27.0, 27.0, 0.0);	(600227.9, 4134254.1, 27.1,
(600230.7, 4134243.4, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600233.6, 4134232.7, 27.1,
(600236.4, 4134222.0, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600239.2, 4134211.3, 27.1,
(600242.0, 4134200.6, 27.2, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600244.8, 4134189.9, 27.2,
(600247.6, 4134179.2, 27.4, 0.0);	27.3, 27.3, 0.0);	27.3, 27.3, 0.0);	(600258.9, 4134136.4, 27.4,
(600261.7, 4134125.7, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600264.5, 4134115.0, 27.4,
(600267.3, 4134104.3, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600270.2, 4134093.6, 27.4,
(600273.0, 4134082.9, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600275.8, 4134072.2, 27.4,
(600279.7, 4134414.2, 26.5, 0.0);	26.5, 26.5, 0.0);	26.5, 26.5, 0.0);	(600273.6, 4134405.0, 26.5,
(600267.6, 4134395.7, 26.7, 0.0);	26.6, 26.6, 0.0);	26.6, 26.6, 0.0);	(600261.5, 4134386.5, 26.7,
(600255.5, 4134377.3, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600249.4, 4134368.1, 26.8,
(600243.4, 4134358.8, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600237.3, 4134349.6, 26.8,
(600225.2, 4134331.2, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600219.2, 4134322.0, 26.8,
(600213.1, 4134312.7, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600207.1, 4134303.5, 26.8,

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600201.0, 4134294.3, 26.9, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600196.4, 4134279.7, 26.9,
(600199.2, 4134269.1, 27.1, 0.0);	27.0, 27.0, 0.0);	27.0, 27.0, 0.0);	(600202.0, 4134258.4, 27.1,
(600204.8, 4134247.8, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600207.6, 4134237.1, 27.1,
(600210.4, 4134226.4, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600221.6, 4134183.8, 27.3,

27.3,	0.0);						
(600224.4,	4134173.1,	27.4,	27.4,	0.0);	(600227.2,	4134162.4,	27.4,
27.4,	0.0);						
(600230.1,	4134151.8,	27.4,	27.4,	0.0);	(600232.9,	4134141.1,	27.4,
27.4,	0.0);						
(600238.5,	4134119.8,	27.4,	27.4,	0.0);	(600241.3,	4134109.1,	27.4,
27.4,	0.0);						
(600244.1,	4134098.4,	27.4,	27.4,	0.0);	(600246.9,	4134087.8,	27.4,
27.4,	0.0);						
(600249.7,	4134077.1,	27.4,	27.4,	0.0);	(600252.5,	4134066.4,	27.4,
27.4,	0.0);						
(600255.3,	4134055.8,	27.4,	27.4,	0.0);	(600374.5,	4134301.2,	27.3,
27.3,	0.0);						
(600337.1,	4134348.6,	26.9,	26.9,	0.0);	(600323.1,	4134366.3,	26.8,
26.8,	0.0);						
(600318.5,	4134372.2,	26.8,	26.8,	0.0);	(600309.1,	4134384.0,	26.8,
26.8,	0.0);						
(600304.4,	4134390.0,	26.7,	26.7,	0.0);	(600290.4,	4134407.7,	26.5,
26.5,	0.0);						
(600271.7,	4134431.4,	26.5,	26.5,	0.0);	(600267.1,	4134437.3,	26.5,
26.5,	0.0);						
(600234.4,	4134478.7,	26.5,	26.5,	0.0);	(600229.7,	4134484.6,	26.6,
26.6,	0.0);						
(600225.0,	4134490.5,	26.6,	26.6,	0.0);	(600201.6,	4134520.1,	26.4,
26.4,	0.0);						
(600197.0,	4134526.0,	26.3,	26.3,	0.0);	(600192.3,	4134531.9,	26.3,
26.3,	0.0);						
(600187.6,	4134537.8,	26.3,	26.3,	0.0);	(600183.0,	4134543.7,	26.4,
26.4,	0.0);						
(600336.2,	4134338.2,	27.0,	27.0,	0.0);	(600331.5,	4134344.1,	26.9,
26.9,	0.0);						
(600317.5,	4134361.9,	26.8,	26.8,	0.0);	(600303.5,	4134379.6,	26.8,
26.8,	0.0);						
(600298.8,	4134385.5,	26.8,	26.8,	0.0);	(600289.5,	4134397.4,	26.6,
26.6,	0.0);						
(600284.8,	4134403.3,	26.6,	26.6,	0.0);	(600266.1,	4134426.9,	26.5,
26.5,	0.0);						
(600261.5,	4134432.8,	26.5,	26.5,	0.0);	(600242.8,	4134456.5,	26.4,
26.4,	0.0);						
(600238.1,	4134462.4,	26.5,	26.5,	0.0);	(600233.4,	4134468.3,	26.5,
26.5,	0.0);						
(600228.8,	4134474.2,	26.6,	26.6,	0.0);	(600210.1,	4134497.9,	26.7,
26.7,	0.0);						
(600205.4,	4134503.8,	26.7,	26.7,	0.0);	(600200.7,	4134509.7,	26.6,
26.6,	0.0);						
(600196.0,	4134515.6,	26.5,	26.5,	0.0);	(600191.4,	4134521.5,	26.4,
26.4,	0.0);						
(600330.6,	4134333.8,	27.0,	27.0,	0.0);	(600325.9,	4134339.7,	26.9,
26.9,	0.0);						
(600316.6,	4134351.5,	26.8,	26.8,	0.0);	(600311.9,	4134357.4,	26.8,
26.8,	0.0);						
(600297.9,	4134375.2,	26.8,	26.8,	0.0);	(600283.9,	4134392.9,	26.7,
26.7,	0.0);						
(600279.2,	4134398.8,	26.6,	26.6,	0.0);	(600260.5,	4134422.5,	26.5,
26.5,	0.0);						
(600255.9,	4134428.4,	26.5,	26.5,	0.0);	(600251.2,	4134434.3,	26.5,
26.5,	0.0);						
(600246.5,	4134440.2,	26.5,	26.5,	0.0);	(600241.8,	4134446.2,	26.5,
26.5,	0.0);						
(600237.2,	4134452.1,	26.5,	26.5,	0.0);	(600232.5,	4134458.0,	26.5,
26.5,	0.0);						
(600227.8,	4134463.9,	26.6,	26.6,	0.0);	(600209.1,	4134487.5,	26.8,
26.8,	0.0);						
(600204.5,	4134493.5,	26.8,	26.8,	0.0);	(600199.8,	4134499.4,	26.8,

26.8,	0.0);						
(600195.1,	4134505.3,	26.7,	26.7,	0.0);	(600176.4,	4134528.9,	26.5,
26.5,	0.0);						
(600171.7,	4134534.9,	26.6,	26.6,	0.0);	(600395.1,	4134240.7,	27.4,
27.4,	0.0);						
(600325.0,	4134329.4,	27.0,	27.0,	0.0);	(600311.0,	4134347.1,	26.8,
26.8,	0.0);						
(600306.3,	4134353.0,	26.8,	26.8,	0.0);	(600297.0,	4134364.8,	26.8,
26.8,	0.0);						
(600292.3,	4134370.8,	26.8,	26.8,	0.0);	(600278.3,	4134388.5,	26.7,
26.7,	0.0);						
(600254.9,	4134418.1,	26.5,	26.5,	0.0);	(600250.2,	4134424.0,	26.5,
26.5,	0.0);						
(600245.6,	4134429.9,	26.5,	26.5,	0.0);	(600240.9,	4134435.8,	26.5,
26.5,	0.0);						
(600236.2,	4134441.7,	26.5,	26.5,	0.0);	(600231.6,	4134447.6,	26.5,
26.5,	0.0);						
(600212.9,	4134471.3,	26.7,	26.7,	0.0);	(600208.2,	4134477.2,	26.8,
26.8,	0.0);						

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*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600203.5,	4134483.1,	26.8,	26.8,	0.0);	(600198.9,	4134489.0,	26.9,
26.9,	0.0);						
(600180.2,	4134512.7,	26.7,	26.7,	0.0);	(600175.5,	4134518.6,	26.7,
26.7,	0.0);						
(600170.8,	4134524.5,	26.6,	26.6,	0.0);	(600166.1,	4134530.4,	26.7,
26.7,	0.0);						
(600370.8,	4134259.9,	27.4,	27.4,	0.0);	(600324.1,	4134319.0,	27.1,
27.1,	0.0);						
(600319.4,	4134324.9,	27.0,	27.0,	0.0);	(600305.4,	4134342.7,	26.8,
26.8,	0.0);						
(600291.4,	4134360.4,	26.8,	26.8,	0.0);	(600286.7,	4134366.3,	26.8,
26.8,	0.0);						
(600272.7,	4134384.1,	26.8,	26.8,	0.0);	(600249.3,	4134413.6,	26.5,
26.5,	0.0);						
(600244.6,	4134419.6,	26.5,	26.5,	0.0);	(600226.0,	4134443.2,	26.6,
26.6,	0.0);						
(600216.6,	4134455.0,	26.7,	26.7,	0.0);	(600211.9,	4134460.9,	26.7,
26.7,	0.0);						
(600207.3,	4134466.9,	26.8,	26.8,	0.0);	(600202.6,	4134472.8,	26.8,
26.8,	0.0);						
(600197.9,	4134478.7,	26.9,	26.9,	0.0);	(600179.2,	4134502.3,	26.9,
26.9,	0.0);						
(600174.6,	4134508.3,	26.9,	26.9,	0.0);	(600169.9,	4134514.2,	26.8,
26.8,	0.0);						
(600165.2,	4134520.1,	26.8,	26.8,	0.0);	(600160.5,	4134526.0,	26.8,
26.8,	0.0);						
(600350.2,	4134262.9,	27.4,	27.4,	0.0);	(600312.9,	4134310.2,	27.0,
27.0,	0.0);						
(600298.8,	4134327.9,	26.9,	26.9,	0.0);	(600294.2,	4134333.8,	26.8,
26.8,	0.0);						
(600280.2,	4134351.6,	26.8,	26.8,	0.0);	(600266.1,	4134369.3,	26.8,
26.8,	0.0);						
(600252.1,	4134387.0,	26.7,	26.7,	0.0);	(600238.1,	4134404.8,	26.5,

26.5,	0.0);						
(600233.4,	4134410.7,	26.5,	26.5,	0.0);	(600228.8,	4134416.6,	26.6,
26.6,	0.0);						
(600224.1,	4134422.5,	26.6,	26.6,	0.0);	(600219.4,	4134428.4,	26.7,
26.7,	0.0);						
(600214.7,	4134434.4,	26.7,	26.7,	0.0);	(600210.1,	4134440.3,	26.8,
26.8,	0.0);						
(600191.4,	4134463.9,	27.1,	27.1,	0.0);	(600186.7,	4134469.8,	27.1,
27.1,	0.0);						
(600182.0,	4134475.8,	27.2,	27.2,	0.0);	(600177.4,	4134481.7,	27.2,
27.2,	0.0);						
(600172.7,	4134487.6,	27.2,	27.2,	0.0);	(600168.0,	4134493.5,	27.2,
27.2,	0.0);						
(600163.3,	4134499.4,	27.1,	27.1,	0.0);	(600158.7,	4134505.3,	27.0,
27.0,	0.0);						
(600154.0,	4134511.2,	27.0,	27.0,	0.0);	(600149.3,	4134517.1,	27.0,
27.0,	0.0);						
(600315.7,	4134283.6,	27.1,	27.1,	0.0);	(600306.3,	4134295.4,	27.1,
27.1,	0.0);						
(600301.7,	4134301.3,	27.0,	27.0,	0.0);	(600287.6,	4134319.0,	26.8,
26.8,	0.0);						
(600273.6,	4134336.8,	26.8,	26.8,	0.0);	(600259.6,	4134354.5,	26.8,
26.8,	0.0);						
(600254.9,	4134360.4,	26.8,	26.8,	0.0);	(600240.9,	4134378.2,	26.8,
26.8,	0.0);						
(600226.9,	4134395.9,	26.7,	26.7,	0.0);	(600222.2,	4134401.8,	26.7,
26.7,	0.0);						
(600217.6,	4134407.8,	26.7,	26.7,	0.0);	(600203.5,	4134425.5,	26.8,
26.8,	0.0);						
(600194.2,	4134437.3,	27.0,	27.0,	0.0);	(600189.5,	4134443.2,	27.1,
27.1,	0.0);						
(600184.8,	4134449.2,	27.2,	27.2,	0.0);	(600180.2,	4134455.1,	27.3,
27.3,	0.0);						
(600175.5,	4134461.0,	27.4,	27.4,	0.0);	(600170.8,	4134466.9,	27.4,
27.4,	0.0);						
(600166.2,	4134472.8,	27.4,	27.4,	0.0);	(600161.5,	4134478.7,	27.3,
27.3,	0.0);						
(600156.8,	4134484.6,	27.2,	27.2,	0.0);	(600152.1,	4134490.5,	27.2,
27.2,	0.0);						
(600147.5,	4134496.5,	27.1,	27.1,	0.0);	(600142.8,	4134502.4,	27.1,
27.1,	0.0);						
(600138.1,	4134508.3,	27.2,	27.2,	0.0);	(600299.8,	4134280.6,	27.1,
27.1,	0.0);						
(600295.1,	4134286.5,	27.1,	27.1,	0.0);	(600281.1,	4134304.3,	26.9,
26.9,	0.0);						
(600267.1,	4134322.0,	26.8,	26.8,	0.0);	(600262.4,	4134327.9,	26.8,
26.8,	0.0);						
(600248.4,	4134345.7,	26.8,	26.8,	0.0);	(600234.4,	4134363.4,	26.8,
26.8,	0.0);						
(600229.7,	4134369.3,	26.8,	26.8,	0.0);	(600215.7,	4134387.1,	26.8,
26.8,	0.0);						
(600211.0,	4134393.0,	26.8,	26.8,	0.0);	(600206.3,	4134398.9,	26.8,
26.8,	0.0);						
(600201.7,	4134404.8,	26.8,	26.8,	0.0);	(600197.0,	4134410.7,	26.9,
26.9,	0.0);						
(600192.3,	4134416.6,	27.0,	27.0,	0.0);	(600187.7,	4134422.6,	27.1,
27.1,	0.0);						

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

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*** AERMET - VERSION 15181 ***

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

(600183.0, 4134428.5, 27.2, 27.2, 0.0);	(600178.3, 4134434.4, 27.3,
27.3, 0.0);	0.0);
(600173.6, 4134440.3, 27.4, 27.4, 0.0);	(600169.0, 4134446.2, 27.4,
27.4, 0.0);	0.0);
(600164.3, 4134452.1, 27.4, 27.4, 0.0);	(600159.6, 4134458.0, 27.4,
27.4, 0.0);	0.0);
(600154.9, 4134463.9, 27.4, 27.4, 0.0);	(600150.3, 4134469.9, 27.4,
27.4, 0.0);	0.0);
(600145.6, 4134475.8, 27.3, 27.3, 0.0);	(600140.9, 4134481.7, 27.3,
27.3, 0.0);	0.0);
(600136.2, 4134487.6, 27.2, 27.2, 0.0);	(600131.6, 4134493.5, 27.2,
27.2, 0.0);	0.0);
(600126.9, 4134499.4, 27.1, 27.1, 0.0);	(600370.8, 4134144.6, 27.4,
27.4, 0.0);	0.0);
(600342.8, 4134180.1, 27.4, 27.4, 0.0);	(600300.7, 4134233.3, 27.2,
27.2, 0.0);	0.0);
(600296.1, 4134239.3, 27.1, 27.1, 0.0);	(600291.4, 4134245.2, 27.1,
27.1, 0.0);	0.0);
(600286.7, 4134251.1, 27.1, 27.1, 0.0);	(600268.0, 4134274.7, 27.0,
27.0, 0.0);	0.0);
(600263.4, 4134280.7, 26.9, 26.9, 0.0);	(600249.3, 4134298.4, 26.8,
26.8, 0.0);	0.0);
(600244.7, 4134304.3, 26.8, 26.8, 0.0);	(600235.3, 4134316.1, 26.8,
26.8, 0.0);	0.0);
(600230.6, 4134322.0, 26.8, 26.8, 0.0);	(600216.6, 4134339.8, 26.8,
26.8, 0.0);	0.0);
(600212.0, 4134345.7, 26.8, 26.8, 0.0);	(600207.3, 4134351.6, 26.8,
26.8, 0.0);	0.0);
(600193.3, 4134369.4, 26.9, 26.9, 0.0);	(600188.6, 4134375.3, 26.8,
26.8, 0.0);	0.0);
(600183.9, 4134381.2, 26.9, 26.9, 0.0);	(600179.2, 4134387.1, 26.9,
26.9, 0.0);	0.0);
(600174.6, 4134393.0, 27.0, 27.0, 0.0);	(600169.9, 4134398.9, 27.1,
27.1, 0.0);	0.0);
(600165.2, 4134404.8, 27.2, 27.2, 0.0);	(600160.6, 4134410.8, 27.3,
27.3, 0.0);	0.0);
(600155.9, 4134416.7, 27.4, 27.4, 0.0);	(600151.2, 4134422.6, 27.4,
27.4, 0.0);	0.0);
(600146.5, 4134428.5, 27.4, 27.4, 0.0);	(600141.9, 4134434.4, 27.4,
27.4, 0.0);	0.0);
(600137.2, 4134440.3, 27.4, 27.4, 0.0);	(600132.5, 4134446.2, 27.4,
27.4, 0.0);	0.0);
(600127.9, 4134452.2, 27.4, 27.4, 0.0);	(600123.2, 4134458.1, 27.3,
27.3, 0.0);	0.0);
(600118.5, 4134464.0, 27.2, 27.2, 0.0);	(600359.6, 4134135.8, 27.4,
27.4, 0.0);	0.0);
(600331.6, 4134171.3, 27.4, 27.4, 0.0);	(600308.2, 4134200.8, 27.4,
27.4, 0.0);	0.0);
(600303.5, 4134206.8, 27.4, 27.4, 0.0);	(600298.9, 4134212.7, 27.3,
27.3, 0.0);	0.0);
(600294.2, 4134218.6, 27.2, 27.2, 0.0);	(600270.8, 4134248.1, 27.1,
27.1, 0.0);	0.0);
(600266.2, 4134254.1, 27.1, 27.1, 0.0);	(600261.5, 4134260.0, 27.1,
27.1, 0.0);	0.0);
(600256.8, 4134265.9, 27.0, 27.0, 0.0);	(600242.8, 4134283.6, 26.9,
26.9, 0.0);	0.0);
(600238.1, 4134289.5, 26.8, 26.8, 0.0);	(600224.1, 4134307.3, 26.8,
26.8, 0.0);	0.0);
(600210.1, 4134325.0, 26.8, 26.8, 0.0);	(600205.4, 4134330.9, 26.8,
	0.0);

26.8,	0.0);						
(600200.8,	4134336.8,	26.9,	26.9,	0.0);	(600196.1,	4134342.8,	26.9,
26.9,	0.0);						
(600182.1,	4134360.5,	26.9,	26.9,	0.0);	(600177.4,	4134366.4,	26.9,
26.9,	0.0);						
(600172.7,	4134372.3,	26.9,	26.9,	0.0);	(600168.0,	4134378.2,	26.9,
26.9,	0.0);						
(600163.4,	4134384.2,	27.0,	27.0,	0.0);	(600158.7,	4134390.1,	27.1,
27.1,	0.0);						
(600154.0,	4134396.0,	27.2,	27.2,	0.0);	(600149.4,	4134401.9,	27.3,
27.3,	0.0);						
(600144.7,	4134407.8,	27.4,	27.4,	0.0);	(600140.0,	4134413.7,	27.4,
27.4,	0.0);						
(600135.3,	4134419.6,	27.4,	27.4,	0.0);	(600130.7,	4134425.6,	27.4,
27.4,	0.0);						
(600126.0,	4134431.5,	27.4,	27.4,	0.0);	(600121.3,	4134437.4,	27.4,
27.4,	0.0);						
(600116.6,	4134443.3,	27.4,	27.4,	0.0);	(600112.0,	4134449.2,	27.3,
27.3,	0.0);						
(600107.3,	4134455.1,	27.2,	27.2,	0.0);	(600102.6,	4134461.0,	27.2,
27.2,	0.0);						
(600098.0,	4134466.9,	27.1,	27.1,	0.0);	(600093.3,	4134472.9,	27.1,
27.1,	0.0);						
(600348.4,	4134126.9,	27.4,	27.4,	0.0);	(600320.4,	4134162.4,	27.4,
27.4,	0.0);						
(600315.7,	4134168.3,	27.4,	27.4,	0.0);	(600311.0,	4134174.2,	27.4,
27.4,	0.0);						
(600283.0,	4134209.7,	27.2,	27.2,	0.0);	(600278.3,	4134215.6,	27.2,
27.2,	0.0);						
(600273.6,	4134221.5,	27.1,	27.1,	0.0);	(600269.0,	4134227.5,	27.1,
27.1,	0.0);						

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600240.9,	4134262.9,	27.1,	27.1,	0.0);	(600236.3,	4134268.9,	27.0,
27.0,	0.0);						
(600231.6,	4134274.8,	26.9,	26.9,	0.0);	(600226.9,	4134280.7,	26.9,
26.9,	0.0);						
(600217.6,	4134292.5,	26.8,	26.8,	0.0);	(600212.9,	4134298.4,	26.8,
26.8,	0.0);						
(600203.6,	4134310.2,	26.8,	26.8,	0.0);	(600198.9,	4134316.2,	26.9,
26.9,	0.0);						
(600194.2,	4134322.1,	26.9,	26.9,	0.0);	(600189.5,	4134328.0,	27.0,
27.0,	0.0);						
(600184.9,	4134333.9,	27.0,	27.0,	0.0);	(600170.9,	4134351.6,	27.1,
27.1,	0.0);						
(600166.2,	4134357.6,	27.0,	27.0,	0.0);	(600161.5,	4134363.5,	27.0,
27.0,	0.0);						
(600156.8,	4134369.4,	27.0,	27.0,	0.0);	(600152.2,	4134375.3,	27.0,
27.0,	0.0);						
(600147.5,	4134381.2,	27.1,	27.1,	0.0);	(600142.8,	4134387.1,	27.2,
27.2,	0.0);						
(600138.1,	4134393.0,	27.3,	27.3,	0.0);	(600133.5,	4134399.0,	27.4,
27.4,	0.0);						
(600128.8,	4134404.9,	27.4,	27.4,	0.0);	(600124.1,	4134410.8,	27.4,

27.4,	0.0);						
(600119.5,	4134416.7,	27.4,	27.4,	0.0);	(600114.8,	4134422.6,	27.4,
27.4,	0.0);						
(600110.1,	4134428.5,	27.4,	27.4,	0.0);	(600105.4,	4134434.4,	27.4,
27.4,	0.0);						
(600100.8,	4134440.4,	27.3,	27.3,	0.0);	(600096.1,	4134446.3,	27.2,
27.2,	0.0);						
(600091.4,	4134452.2,	27.2,	27.2,	0.0);	(600086.7,	4134458.1,	27.1,
27.1,	0.0);						
(600082.1,	4134464.0,	27.1,	27.1,	0.0);	(600332.5,	4134104.7,	27.4,
27.4,	0.0);						
(600327.8,	4134110.6,	27.4,	27.4,	0.0);	(600323.1,	4134116.6,	27.4,
27.4,	0.0);						
(600299.8,	4134146.1,	27.4,	27.4,	0.0);	(600295.1,	4134152.0,	27.4,
27.4,	0.0);						
(600290.4,	4134158.0,	27.4,	27.4,	0.0);	(600262.4,	4134193.4,	27.2,
27.2,	0.0);						
(600257.7,	4134199.4,	27.1,	27.1,	0.0);	(600253.0,	4134205.3,	27.1,
27.1,	0.0);						
(600248.4,	4134211.2,	27.1,	27.1,	0.0);	(600243.7,	4134217.1,	27.1,
27.1,	0.0);						
(600220.3,	4134246.7,	27.1,	27.1,	0.0);	(600215.7,	4134252.6,	27.1,
27.1,	0.0);						
(600211.0,	4134258.5,	27.1,	27.1,	0.0);	(600206.3,	4134264.4,	27.1,
27.1,	0.0);						
(600187.6,	4134288.1,	27.0,	27.0,	0.0);	(600183.0,	4134294.0,	27.0,
27.0,	0.0);						
(600178.3,	4134299.9,	27.1,	27.1,	0.0);	(600173.6,	4134305.8,	27.1,
27.1,	0.0);						
(600168.9,	4134311.7,	27.1,	27.1,	0.0);	(600164.3,	4134317.6,	27.1,
27.1,	0.0);						
(600150.2,	4134335.4,	27.1,	27.1,	0.0);	(600145.6,	4134341.3,	27.1,
27.1,	0.0);						
(600140.9,	4134347.2,	27.2,	27.2,	0.0);	(600136.2,	4134353.1,	27.2,
27.2,	0.0);						
(600131.6,	4134359.0,	27.2,	27.2,	0.0);	(600126.9,	4134364.9,	27.3,
27.3,	0.0);						
(600122.2,	4134370.9,	27.3,	27.3,	0.0);	(600117.5,	4134376.8,	27.4,
27.4,	0.0);						
(600112.9,	4134382.7,	27.4,	27.4,	0.0);	(600108.2,	4134388.6,	27.4,
27.4,	0.0);						
(600103.5,	4134394.5,	27.4,	27.4,	0.0);	(600098.9,	4134400.4,	27.4,
27.4,	0.0);						
(600094.2,	4134406.3,	27.4,	27.4,	0.0);	(600089.5,	4134412.3,	27.4,
27.4,	0.0);						
(600084.8,	4134418.2,	27.3,	27.3,	0.0);	(600080.2,	4134424.1,	27.2,
27.2,	0.0);						
(600075.5,	4134430.0,	27.1,	27.1,	0.0);	(600070.8,	4134435.9,	27.0,
27.0,	0.0);						
(600066.2,	4134441.8,	26.9,	26.9,	0.0);	(600061.5,	4134447.7,	26.9,
26.9,	0.0);						
(600291.3,	4134072.2,	27.4,	27.4,	0.0);	(600286.6,	4134078.1,	27.4,
27.4,	0.0);						
(600281.9,	4134084.0,	27.4,	27.4,	0.0);	(600277.3,	4134089.9,	27.4,
27.4,	0.0);						
(600253.9,	4134119.5,	27.4,	27.4,	0.0);	(600249.2,	4134125.4,	27.4,
27.4,	0.0);						
(600216.5,	4134166.8,	27.4,	27.4,	0.0);	(600211.9,	4134172.7,	27.4,
27.4,	0.0);						
(600207.2,	4134178.6,	27.3,	27.3,	0.0);	(600202.5,	4134184.5,	27.2,
27.2,	0.0);						
(600197.8,	4134190.5,	27.2,	27.2,	0.0);	(600193.2,	4134196.4,	27.1,
27.1,	0.0);						
(600188.5,	4134202.3,	27.1,	27.1,	0.0);	(600183.8,	4134208.2,	27.1,

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27.1,      0.0);
( 600179.1, 4134214.1,      27.1,      27.1,      0.0);      ( 600174.5, 4134220.0,      27.1,
27.1,      0.0);
( 600169.8, 4134225.9,      27.1,      27.1,      0.0);      ( 600165.1, 4134231.9,      27.1,
27.1,      0.0);

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*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFault CONC ELEV

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

```

( 600160.5, 4134237.8,      27.1,      27.1,      0.0);      ( 600155.8, 4134243.7,      27.1,
27.1,      0.0);
( 600151.1, 4134249.6,      27.1,      27.1,      0.0);      ( 600146.4, 4134255.5,      27.1,
27.1,      0.0);
( 600141.8, 4134261.4,      27.1,      27.1,      0.0);      ( 600137.1, 4134267.3,      27.1,
27.1,      0.0);
( 600132.4, 4134273.3,      27.1,      27.1,      0.0);      ( 600127.7, 4134279.2,      27.1,
27.1,      0.0);
( 600123.1, 4134285.1,      27.1,      27.1,      0.0);      ( 600109.1, 4134302.8,      27.2,
27.2,      0.0);
( 600104.4, 4134308.7,      27.2,      27.2,      0.0);      ( 600099.7, 4134314.7,      27.3,
27.3,      0.0);
( 600095.0, 4134320.6,      27.3,      27.3,      0.0);      ( 600090.4, 4134326.5,      27.4,
27.4,      0.0);
( 600085.7, 4134332.4,      27.4,      27.4,      0.0);      ( 600081.0, 4134338.3,      27.4,
27.4,      0.0);
( 600076.4, 4134344.2,      27.4,      27.4,      0.0);      ( 600071.7, 4134350.1,      27.3,
27.3,      0.0);
( 600067.0, 4134356.0,      27.3,      27.3,      0.0);      ( 600062.3, 4134362.0,      27.2,
27.2,      0.0);
( 600057.7, 4134367.9,      27.2,      27.2,      0.0);      ( 600053.0, 4134373.8,      27.1,
27.1,      0.0);
( 600048.3, 4134379.7,      27.0,      27.0,      0.0);      ( 600043.6, 4134385.6,      26.9,
26.9,      0.0);
( 600039.0, 4134391.5,      26.8,      26.8,      0.0);      ( 600034.3, 4134397.4,      26.7,
26.7,      0.0);
( 600029.6, 4134403.4,      26.6,      26.6,      0.0);      ( 600025.0, 4134409.3,      26.5,
26.5,      0.0);
( 600020.3, 4134415.2,      26.5,      26.5,      0.0);      ( 600270.7, 4134055.9,      27.4,
27.4,      0.0);
( 600266.0, 4134061.8,      27.4,      27.4,      0.0);      ( 600261.3, 4134067.8,      27.4,
27.4,      0.0);
( 600256.7, 4134073.7,      27.4,      27.4,      0.0);      ( 600233.3, 4134103.2,      27.4,
27.4,      0.0);
( 600228.6, 4134109.1,      27.4,      27.4,      0.0);      ( 600214.6, 4134126.9,      27.4,
27.4,      0.0);
( 600209.9, 4134132.8,      27.4,      27.4,      0.0);      ( 600205.3, 4134138.7,      27.4,
27.4,      0.0);
( 600200.6, 4134144.6,      27.4,      27.4,      0.0);      ( 600195.9, 4134150.5,      27.4,
27.4,      0.0);
( 600191.2, 4134156.4,      27.4,      27.4,      0.0);      ( 600186.6, 4134162.4,      27.4,
27.4,      0.0);
( 600181.9, 4134168.3,      27.4,      27.4,      0.0);      ( 600177.2, 4134174.2,      27.4,
27.4,      0.0);
( 600172.6, 4134180.1,      27.3,      27.3,      0.0);      ( 600167.9, 4134186.0,      27.2,
27.2,      0.0);
( 600163.2, 4134191.9,      27.2,      27.2,      0.0);      ( 600158.5, 4134197.8,      27.1,
27.1,      0.0);

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27.1,	0.0);						
(600153.9,	4134203.8,	27.1,	27.1,	0.0);	(600149.2,	4134209.7,	27.1,
27.1,	0.0);						
(600144.5,	4134215.6,	27.1,	27.1,	0.0);	(600139.9,	4134221.5,	27.1,
27.1,	0.0);						
(600135.2,	4134227.4,	27.1,	27.1,	0.0);	(600130.5,	4134233.3,	27.1,
27.1,	0.0);						
(600125.8,	4134239.2,	27.1,	27.1,	0.0);	(600121.2,	4134245.2,	27.1,
27.1,	0.0);						
(600116.5,	4134251.1,	27.1,	27.1,	0.0);	(600111.8,	4134257.0,	27.1,
27.1,	0.0);						
(600107.2,	4134262.9,	27.1,	27.1,	0.0);	(600102.5,	4134268.8,	27.1,
27.1,	0.0);						
(600088.5,	4134286.6,	27.1,	27.1,	0.0);	(600083.8,	4134292.5,	27.2,
27.2,	0.0);						
(600079.1,	4134298.4,	27.2,	27.2,	0.0);	(600074.4,	4134304.3,	27.3,
27.3,	0.0);						
(600069.8,	4134310.2,	27.3,	27.3,	0.0);	(600065.1,	4134316.1,	27.2,
27.2,	0.0);						
(600060.4,	4134322.0,	27.2,	27.2,	0.0);	(600055.8,	4134327.9,	27.2,
27.2,	0.0);						
(600051.1,	4134333.9,	27.1,	27.1,	0.0);	(600046.4,	4134339.8,	27.1,
27.1,	0.0);						
(600041.7,	4134345.7,	27.0,	27.0,	0.0);	(600037.1,	4134351.6,	27.0,
27.0,	0.0);						
(600032.4,	4134357.5,	26.9,	26.9,	0.0);	(600027.7,	4134363.4,	26.9,
26.9,	0.0);						
(600023.0,	4134369.3,	26.8,	26.8,	0.0);	(600018.4,	4134375.3,	26.8,
26.8,	0.0);						
(600013.7,	4134381.2,	26.7,	26.7,	0.0);	(600009.0,	4134387.1,	26.6,
26.6,	0.0);						
(600004.4,	4134393.0,	26.6,	26.6,	0.0);	(599999.7,	4134398.9,	26.5,
26.5,	0.0);						
(600180.7,	4134609.1,	26.8,	26.8,	0.0);	(600178.1,	4134600.1,	26.8,
26.8,	0.0);						
(600173.8,	4134611.1,	26.8,	26.8,	0.0);	(600167.7,	4134623.3,	26.8,
26.8,	0.0);						
(600157.5,	4134605.6,	26.9,	26.9,	0.0);	(600159.7,	4134594.7,	26.9,
26.9,	0.0);						
(600168.5,	4134551.2,	26.6,	26.6,	0.0);	(600153.3,	4134617.0,	26.8,
26.8,	0.0);						
(600150.7,	4134607.4,	26.9,	26.9,	0.0);	(600152.9,	4134596.4,	27.0,
27.0,	0.0);						

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600155.1,	4134585.4,	27.0,	27.0,	0.0);	(600163.9,	4134541.4,	26.7,
26.7,	0.0);						
(600150.3,	4134623.2,	26.8,	26.8,	0.0);	(600143.8,	4134609.3,	26.9,
26.9,	0.0);						
(600146.0,	4134598.2,	27.0,	27.0,	0.0);	(600148.2,	4134587.1,	27.1,
27.1,	0.0);						
(600157.2,	4134542.7,	26.8,	26.8,	0.0);	(600147.3,	4134638.8,	26.6,
26.6,	0.0);						
(600140.0,	4134630.7,	26.7,	26.7,	0.0);	(600132.6,	4134622.7,	26.8,

26.8, (600130.0, 4134613.3, 27.0, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600132.1, 4134602.6, 27.0,
(600134.3, 4134591.9, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600136.4, 4134581.3, 27.1,
(600138.6, 4134570.6, 27.1, 0.0);	27.2, 27.2, 0.0);	27.2, 27.2, 0.0);	(600145.0, 4134538.5, 27.1,
(600147.2, 4134527.8, 26.5, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600141.4, 4134651.1, 26.5,
(600133.9, 4134642.9, 26.6, 0.0);	26.6, 26.6, 0.0);	26.6, 26.6, 0.0);	(600126.4, 4134634.8, 26.6,
(600118.9, 4134626.6, 26.8, 0.0);	26.7, 26.7, 0.0);	26.7, 26.7, 0.0);	(600116.2, 4134617.1, 26.8,
(600118.4, 4134606.2, 27.0, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600120.6, 4134595.3, 27.0,
(600122.8, 4134584.4, 27.2, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600125.0, 4134573.6, 27.2,
(600127.2, 4134562.7, 27.2, 0.0);	27.3, 27.3, 0.0);	27.3, 27.3, 0.0);	(600133.7, 4134530.0, 27.2,
(600135.9, 4134519.2, 26.5, 0.0);	27.2, 27.2, 0.0);	27.2, 27.2, 0.0);	(600131.8, 4134659.5, 26.5,
(600124.2, 4134651.2, 26.6, 0.0);	26.5, 26.5, 0.0);	26.5, 26.5, 0.0);	(600116.6, 4134642.9, 26.6,
(600109.0, 4134634.6, 26.8, 0.0);	26.7, 26.7, 0.0);	26.7, 26.7, 0.0);	(600102.5, 4134620.8, 26.8,
(600104.7, 4134609.8, 27.0, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600106.9, 4134598.8, 27.0,
(600109.2, 4134587.7, 27.2, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600111.4, 4134576.7, 27.2,
(600113.6, 4134565.6, 27.4, 0.0);	27.3, 27.3, 0.0);	27.3, 27.3, 0.0);	(600115.8, 4134554.6, 27.4,
(600122.5, 4134521.5, 27.2, 0.0);	27.3, 27.3, 0.0);	27.3, 27.3, 0.0);	(600124.7, 4134510.5, 27.2,
(600126.1, 4134672.2, 26.5, 0.0);	26.5, 26.5, 0.0);	26.5, 26.5, 0.0);	(600118.4, 4134663.8, 26.5,
(600110.7, 4134655.4, 26.6, 0.0);	26.5, 26.5, 0.0);	26.5, 26.5, 0.0);	(600103.0, 4134647.0, 26.6,
(600095.3, 4134638.6, 26.8, 0.0);	26.7, 26.7, 0.0);	26.7, 26.7, 0.0);	(600088.7, 4134624.6, 26.8,
(600091.0, 4134613.4, 27.0, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600093.2, 4134602.2, 27.0,
(600095.5, 4134591.1, 27.2, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600097.7, 4134579.9, 27.2,
(600100.0, 4134568.8, 27.4, 0.0);	27.3, 27.3, 0.0);	27.3, 27.3, 0.0);	(600102.2, 4134557.6, 27.4,
(600104.5, 4134546.4, 27.3, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600111.2, 4134512.9, 27.3,
(600113.5, 4134501.8, 26.2, 0.0);	27.2, 27.2, 0.0);	27.2, 27.2, 0.0);	(600199.8, 4134741.1, 26.2,
(600115.1, 4134679.0, 26.5, 0.0);	26.5, 26.5, 0.0);	26.5, 26.5, 0.0);	(600107.6, 4134670.8, 26.5,
(600100.1, 4134662.6, 26.7, 0.0);	26.6, 26.6, 0.0);	26.6, 26.6, 0.0);	(600092.6, 4134654.4, 26.7,
(600085.1, 4134646.3, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600077.6, 4134638.1, 26.8,
(600075.0, 4134628.6, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600077.1, 4134617.7, 26.8,
(600079.3, 4134606.8, 27.0, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600081.5, 4134595.9, 27.0,
(600083.7, 4134585.1, 27.2, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600085.9, 4134574.2, 27.2,
(600088.1, 4134563.3, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600090.3, 4134552.4, 27.4,
(600092.5, 4134541.5, 27.3,	27.3, 27.3, 0.0);	27.3, 27.3, 0.0);	(600094.6, 4134530.7, 27.3,

27.3,	0.0);						
(600194.8,	4134754.5,	26.3,	26.3,	0.0);	(600113.2,	4134695.7,	26.3,
26.3,	0.0);						
(600105.6,	4134687.5,	26.4,	26.4,	0.0);	(600098.0,	4134679.2,	26.5,
26.5,	0.0);						
(600090.4,	4134670.9,	26.6,	26.6,	0.0);	(600082.8,	4134662.6,	26.7,
26.7,	0.0);						
(600075.3,	4134654.4,	26.7,	26.7,	0.0);	(600067.7,	4134646.1,	26.8,
26.8,	0.0);						
(600061.2,	4134632.3,	26.8,	26.8,	0.0);	(600063.4,	4134621.3,	26.8,
26.8,	0.0);						
(600065.6,	4134610.3,	26.9,	26.9,	0.0);	(600067.8,	4134599.3,	27.0,
27.0,	0.0);						
(600070.1,	4134588.3,	27.1,	27.1,	0.0);	(600072.3,	4134577.3,	27.2,
27.2,	0.0);						
(600074.5,	4134566.3,	27.3,	27.3,	0.0);	(600076.7,	4134555.3,	27.4,
27.4,	0.0);						

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600078.9,	4134544.3,	27.3,	27.3,	0.0);	(600090.0,	4134489.4,	27.1,
27.1,	0.0);						
(600189.8,	4134767.9,	26.4,	26.4,	0.0);	(600103.7,	4134704.3,	26.2,
26.2,	0.0);						
(600096.1,	4134695.9,	26.3,	26.3,	0.0);	(600088.4,	4134687.6,	26.4,
26.4,	0.0);						
(600080.8,	4134679.2,	26.5,	26.5,	0.0);	(600073.1,	4134670.9,	26.6,
26.6,	0.0);						
(600065.5,	4134662.5,	26.7,	26.7,	0.0);	(600057.8,	4134654.2,	26.7,
26.7,	0.0);						
(600050.2,	4134645.8,	26.8,	26.8,	0.0);	(600047.5,	4134636.1,	26.8,
26.8,	0.0);						
(600049.7,	4134625.0,	26.8,	26.8,	0.0);	(600051.9,	4134613.9,	26.9,
26.9,	0.0);						
(600054.2,	4134602.8,	27.0,	27.0,	0.0);	(600056.4,	4134591.7,	27.1,
27.1,	0.0);						
(600058.6,	4134580.6,	27.1,	27.1,	0.0);	(600060.9,	4134569.5,	27.2,
27.2,	0.0);						
(600063.1,	4134558.4,	27.2,	27.2,	0.0);	(600078.7,	4134480.7,	27.1,
27.1,	0.0);						
(600174.1,	4134777.3,	26.2,	26.2,	0.0);	(600184.8,	4134781.3,	26.3,
26.3,	0.0);						
(600155.7,	4134795.6,	26.2,	26.2,	0.0);	(600086.5,	4134720.1,	26.1,
26.1,	0.0);						
(600078.8,	4134711.7,	26.2,	26.2,	0.0);	(600071.1,	4134703.3,	26.2,
26.2,	0.0);						
(600063.4,	4134694.9,	26.3,	26.3,	0.0);	(600055.7,	4134686.5,	26.4,
26.4,	0.0);						
(600048.0,	4134678.1,	26.5,	26.5,	0.0);	(600040.3,	4134669.7,	26.6,
26.6,	0.0);						
(600032.6,	4134661.3,	26.7,	26.7,	0.0);	(600024.9,	4134652.9,	26.8,
26.8,	0.0);						
(600022.2,	4134643.1,	26.8,	26.8,	0.0);	(600024.4,	4134632.0,	26.8,
26.8,	0.0);						
(600026.7,	4134620.8,	26.8,	26.8,	0.0);	(600028.9,	4134609.6,	26.9,

26.9,	0.0);						
(600031.2,	4134598.5,	27.0,	27.0,	0.0);	(600042.4,	4134542.6,	27.1,
27.1,	0.0);						
(600044.6,	4134531.5,	27.1,	27.1,	0.0);	(600046.9,	4134520.3,	27.1,
27.1,	0.0);						
(600058.1,	4134464.5,	26.9,	26.9,	0.0);	(600164.9,	4134801.8,	26.2,
26.2,	0.0);						
(600175.6,	4134805.8,	26.2,	26.2,	0.0);	(600146.6,	4134820.3,	26.0,
26.0,	0.0);						
(600139.0,	4134812.1,	26.0,	26.0,	0.0);	(600071.2,	4134738.0,	25.9,
25.9,	0.0);						
(600063.6,	4134729.8,	26.0,	26.0,	0.0);	(600056.1,	4134721.6,	26.1,
26.1,	0.0);						
(600048.5,	4134713.3,	26.1,	26.1,	0.0);	(600041.0,	4134705.1,	26.2,
26.2,	0.0);						
(600033.5,	4134696.9,	26.3,	26.3,	0.0);	(600025.9,	4134688.7,	26.4,
26.4,	0.0);						
(600018.4,	4134680.4,	26.5,	26.5,	0.0);	(600010.8,	4134672.2,	26.6,
26.6,	0.0);						
(600003.3,	4134664.0,	26.6,	26.6,	0.0);	(599996.9,	4134650.3,	26.8,
26.8,	0.0);						
(599999.1,	4134639.3,	26.8,	26.8,	0.0);	(600001.3,	4134628.4,	26.8,
26.8,	0.0);						
(600010.1,	4134584.6,	27.1,	27.1,	0.0);	(600012.3,	4134573.7,	27.1,
27.1,	0.0);						
(600014.5,	4134562.8,	27.1,	27.1,	0.0);	(600016.7,	4134551.8,	27.1,
27.1,	0.0);						
(600018.9,	4134540.9,	27.1,	27.1,	0.0);	(600021.1,	4134529.9,	27.1,
27.1,	0.0);						
(600023.3,	4134519.0,	27.1,	27.1,	0.0);	(600025.5,	4134508.0,	26.9,
26.9,	0.0);						
(600027.7,	4134497.1,	26.8,	26.8,	0.0);	(600038.7,	4134442.4,	26.7,
26.7,	0.0);						
(600155.7,	4134826.4,	26.0,	26.0,	0.0);	(600166.3,	4134830.4,	26.1,
26.1,	0.0);						
(600137.3,	4134844.9,	25.7,	25.7,	0.0);	(600129.8,	4134836.6,	25.7,
25.7,	0.0);						
(600053.9,	4134753.8,	25.9,	25.9,	0.0);	(600046.3,	4134745.6,	25.9,
25.9,	0.0);						
(600038.7,	4134737.3,	25.9,	25.9,	0.0);	(600031.2,	4134729.0,	26.0,
26.0,	0.0);						
(600023.6,	4134720.7,	26.1,	26.1,	0.0);	(600016.0,	4134712.5,	26.2,
26.2,	0.0);						
(600008.4,	4134704.2,	26.2,	26.2,	0.0);	(600000.8,	4134695.9,	26.3,
26.3,	0.0);						
(599993.2,	4134687.6,	26.4,	26.4,	0.0);	(599985.6,	4134679.3,	26.5,
26.5,	0.0);						
(599978.1,	4134671.1,	26.5,	26.5,	0.0);	(599980.4,	4134613.3,	26.8,
26.8,	0.0);						
(599982.7,	4134602.3,	26.9,	26.9,	0.0);	(599984.9,	4134591.3,	27.0,
27.0,	0.0);						
(599987.1,	4134580.3,	27.1,	27.1,	0.0);	(599989.3,	4134569.3,	27.1,
27.1,	0.0);						
(599991.5,	4134558.3,	27.1,	27.1,	0.0);	(599993.7,	4134547.2,	27.1,
27.1,	0.0);						

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**MODELOPTs: RegDEFAULT CONC ELEV

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(599995.9, 4134536.2, 27.1, 27.1, 0.0);	(599998.1, 4134525.2, 27.1, 27.1, 0.0);
(600018.1, 4134426.2, 26.5, 26.5, 0.0);	(600146.5, 4134851.0, 25.7, 25.7, 0.0);
(600157.1, 4134855.0, 25.8, 25.8, 0.0);	(600128.1, 4134869.4, 25.4, 25.4, 0.0);
(600120.5, 4134861.1, 25.5, 25.5, 0.0);	(600112.9, 4134852.8, 25.6, 25.6, 0.0);
(600036.6, 4134769.6, 25.9, 25.9, 0.0);	(600029.0, 4134761.3, 25.9, 25.9, 0.0);
(600021.4, 4134753.0, 25.9, 25.9, 0.0);	(600013.8, 4134744.7, 25.9, 25.9, 0.0);
(600006.2, 4134736.4, 25.9, 25.9, 0.0);	(599998.5, 4134728.1, 26.0, 26.0, 0.0);
(599990.9, 4134719.7, 26.1, 26.1, 0.0);	(599983.3, 4134711.4, 26.2, 26.2, 0.0);
(599975.7, 4134703.1, 26.2, 26.2, 0.0);	(599968.1, 4134694.8, 26.3, 26.3, 0.0);
(599960.4, 4134686.5, 26.4, 26.4, 0.0);	(599950.8, 4134642.2, 26.6, 26.6, 0.0);
(599953.0, 4134631.1, 26.7, 26.7, 0.0);	(599955.2, 4134620.1, 26.8, 26.8, 0.0);
(599957.4, 4134609.0, 26.8, 26.8, 0.0);	(599959.6, 4134598.0, 26.8, 26.8, 0.0);
(599961.9, 4134586.9, 26.8, 26.8, 0.0);	(599964.1, 4134575.8, 26.9, 26.9, 0.0);
(599966.3, 4134564.8, 27.1, 27.1, 0.0);	(599968.5, 4134553.7, 27.1, 27.1, 0.0);
(599970.8, 4134542.7, 27.1, 27.1, 0.0);	(599973.0, 4134531.6, 27.1, 27.1, 0.0);
(599975.2, 4134520.6, 27.1, 27.1, 0.0);	(599997.5, 4134410.0, 26.5, 26.5, 0.0);
(600137.2, 4134875.6, 25.4, 25.4, 0.0);	(600147.9, 4134879.6, 25.4, 25.4, 0.0);
(600234.6, 4134518.6, 26.3, 26.3, 0.0);	(600240.8, 4134506.7, 26.3, 26.3, 0.0);
(600368.0, 4134352.1, 26.9, 26.9, 0.0);	(600360.5, 4134362.7, 26.9, 26.9, 0.0);
(600246.4, 4134527.3, 26.1, 26.1, 0.0);	(600253.9, 4134517.3, 26.0, 26.0, 0.0);
(600364.3, 4134369.6, 26.8, 26.8, 0.0);	(600373.6, 4134359.0, 26.8, 26.8, 0.0);
(600612.7, 4134331.3, 26.5, 26.5, 0.0);	(600644.8, 4134278.9, 26.8, 26.8, 0.0);
(600664.1, 4134289.9, 26.7, 26.7, 0.0);	(600632.8, 4134344.5, 26.5, 26.5, 0.0);
(600622.3, 4134338.3, 26.5, 26.5, 0.0);	(600627.5, 4134305.7, 26.6, 26.6, 0.0);
(600647.1, 4134318.9, 26.5, 26.5, 0.0);	(600619.9, 4134318.9, 26.5, 26.5, 0.0);
(600640.5, 4134331.1, 26.5, 26.5, 0.0);	(600629.2, 4134325.6, 26.5, 26.5, 0.0);
(600636.6, 4134312.4, 26.6, 26.6, 0.0);	(600636.1, 4134292.3, 26.8, 26.8, 0.0);
(600646.9, 4134298.1, 26.7, 26.7, 0.0);	(600656.2, 4134303.8, 26.6, 26.6, 0.0);
(600654.6, 4134283.2, 26.8, 26.8, 0.0);	(600589.7, 4134278.5, 26.6, 26.6, 0.0);
(600239.0, 4134588.0, 25.9, 25.9, 0.0);	(600255.0, 4134594.0, 26.1, 26.1, 0.0);
(600336.0, 4134493.0, 26.2, 26.2, 0.0);	(600461.0, 4134590.0, 28.1, 28.1, 0.0);

28.1, 0.0);
 (600456.0, 4134597.0, 28.3, 28.3, 0.0); (600489.0, 4134621.0, 28.3,
 28.3, 0.0);
 (600494.0, 4134621.0, 28.2, 28.2, 0.0); (600498.0, 4134619.0, 28.2,
 28.2, 0.0);
 (600669.0, 4134414.0, 27.0, 27.0, 0.0); (600672.0, 4134406.0, 26.9,
 26.9, 0.0);
 (600672.0, 4134400.0, 26.9, 26.9, 0.0); (600668.0, 4134391.0, 26.9,
 26.9, 0.0);
 (600665.0, 4134386.0, 26.9, 26.9, 0.0); (600593.0, 4134329.0, 26.5,
 26.5, 0.0);
 (600545.0, 4134299.0, 26.8, 26.8, 0.0); (600514.0, 4134275.0, 27.0,
 27.0, 0.0);
 (600562.0, 4134215.0, 26.8, 26.8, 0.0); (600586.0, 4134173.0, 26.9,
 26.9, 0.0);
 (600561.0, 4134155.0, 27.1, 27.1, 0.0); (600496.0, 4134236.0, 27.2,
 27.2, 0.0);
 (600510.0, 4134245.0, 27.1, 27.1,
 0.0);

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*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFault CONC ELEV

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFault CONC ELEV

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

Surface file: J:\PROJECTS\BART SILICON VALLEY SANTA CLARA EXT 2013-002\AIR QUALITY\DISPERSIONM Met Version: 15181

Profile file: J:\PROJECTS\BART SILICON VALLEY SANTA CLARA EXT 2013-002\AIR QUALITY\DISPERSIONM

Surface format:

FREE

Profile format:

FREE

Surface station no.: 23293

Upper air station no.: 23230

Name: UNKNOWN
Year: 1998

Name: OAKLAND/WSO_AP
Year: 1998

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
98	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.02	0.35	1.00	0.90	333.	10.0	281.8	5.4			
98	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.07	0.35	1.00	1.80	146.	10.0	281.9	5.4			
98	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.07	0.35	1.00	1.80	124.	10.0	281.4	5.4			
98	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.07	0.35	1.00	1.40	142.	10.0	280.9	5.4			
98	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.02	0.35	1.00	0.90	357.	10.0	280.8	5.4			
98	01	01	1	06	-1.7	0.041	-9.000	-9.000	-999.	20.	3.6	0.04	0.35	1.00	1.10	28.	10.0	280.5	5.4			
98	01	01	1	07	-2.2	0.053	-9.000	-9.000	-999.	29.	6.2	0.07	0.35	1.00	1.30	118.	10.0	279.9	5.4			
98	01	01	1	08	-1.7	0.041	-9.000	-9.000	-999.	20.	3.7	0.07	0.35	0.73	1.00	197.	10.0	279.6	5.4			
98	01	01	1	09	0.1	0.104	0.028	0.008	8.	80.	-1016.5	0.04	0.35	0.38	1.40	85.	10.0	280.4	5.4			
98	01	01	1	10	17.9	0.208	0.380	0.020	111.	228.	-45.5	0.07	0.35	0.25	2.30	140.	10.0	281.8	5.4			
98	01	01	1	11	36.9	0.180	0.583	0.020	194.	184.	-14.4	0.07	0.35	0.21	1.80	171.	10.0	283.4	5.4			
98	01	01	1	12	51.0	0.123	0.725	0.020	270.	104.	-3.3	0.02	0.35	0.19	1.40	238.	10.0	285.0	5.4			
98	01	01	1	13	50.1	0.134	0.769	0.020	328.	117.	-4.3	0.04	0.35	0.19	1.30	74.	10.0	286.0	5.4			
98	01	01	1	14	27.6	0.161	0.683	0.021	415.	156.	-13.7	0.07	0.35	0.20	1.60	129.	10.0	286.9	5.4			
98	01	01	1	15	21.8	0.174	0.668	0.021	493.	174.	-21.9	0.02	0.35	0.23	2.40	291.	10.0	287.1	5.4			
98	01	01	1	16	1.9	0.164	0.298	0.021	496.	159.	-206.0	0.02	0.35	0.32	2.50	334.	10.0	285.5	5.4			
98	01	01	1	17	-2.0	0.051	-9.000	-9.000	-999.	41.	6.0	0.02	0.35	0.55	1.60	351.	10.0	285.2	5.4			
98	01	01	1	18	-2.1	0.052	-9.000	-9.000	-999.	28.	5.8	0.04	0.35	1.00	1.40	66.	10.0	285.0	5.4			
98	01	01	1	19	-5.6	0.086	-9.000	-9.000	-999.	60.	10.1	0.07	0.35	1.00	2.10	134.	10.0	285.0	5.4			
98	01	01	1	20	-11.8	0.178	-9.000	-9.000	-999.	180.	42.8	0.07	0.35	1.00	2.70	133.	10.0	284.4	5.4			
98	01	01	1	21	-34.2	0.321	-9.000	-9.000	-999.	437.	87.3	0.07	0.35	1.00	4.40	140.	10.0	285.4	5.4			
98	01	01	1	22	-28.2	0.264	-9.000	-9.000	-999.	327.	58.9	0.07	0.35	1.00	3.80	136.	10.0	284.8	5.4			
98	01	01	1	23	-22.9	0.345	-9.000	-9.000	-999.	486.	161.6	0.07	0.35	1.00	4.50	138.	10.0	284.9	5.4			
98	01	01	1	24	-16.4	0.247	-9.000	-9.000	-999.	299.	82.6	0.07	0.35	1.00	3.40	137.	10.0	285.0	5.4			

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
98	01	01	01	5.4	0	-999.	-99.00	281.8	999.0	-99.00	-99.00
98	01	01	01	10.0	1	333.	0.90	-999.0	50.7	-99.00	0.55

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

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*** 01/05/16
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**MODELOPTs: RegDFault CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): CON_ZONE , ***

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600272.44	4134683.22	14.44905	600265.29	4134682.89	
14.33390					
600258.14	4134682.57	14.13324	600274.64	4134690.12	
14.39711					
600260.95	4134689.50	14.17382	600247.26	4134688.88	
13.75614					
600291.16	4134700.33	14.43484	600278.23	4134703.89	

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14.25351				
600271.19	4134703.57	14.18558	600264.15	4134703.25
14.11143				
600257.11	4134702.93	13.96537	600250.07	4134702.61
13.80218				
600243.03	4134702.29	13.63162	600235.99	4134701.97
13.44460				
600301.10	4134710.06	14.25065	600295.07	4134714.02
14.17609				
600281.85	4134717.65	14.01669	600274.65	4134717.33
13.95615				
600267.45	4134717.00	13.88661	600260.25	4134716.67
13.78998				
600253.05	4134716.35	13.66574	600245.85	4134716.02
13.52366				
600238.65	4134715.69	13.37352	600231.45	4134715.37
13.22536				
600224.25	4134715.04	13.07988	600311.24	4134719.66
13.97750				
600305.10	4134723.69	13.91083	600298.97	4134727.72
13.85003				
600285.50	4134731.42	13.75666	600278.17	4134731.09
13.69017				
600270.84	4134730.76	13.61994	600263.50	4134730.42
13.53836				
600256.17	4134730.09	13.42840	600248.84	4134729.76
13.31694				
600241.50	4134729.43	13.18683	600234.17	4134729.09
13.05777				
600226.84	4134728.76	12.95805	600219.51	4134728.43
12.86139				
600212.17	4134728.09	12.75810	600321.53	4134729.16
13.62661				
600315.30	4134733.25	13.56685	600309.08	4134737.34
13.50911				
600302.85	4134741.44	13.43945	600289.17	4134745.19
13.41056				
600281.73	4134744.86	13.36440	600274.28	4134744.52
13.31295				
600266.83	4134744.18	13.24862	600259.39	4134743.84
13.16376				
600251.94	4134743.50	13.07569	600244.50	4134743.17
12.96819				
600237.05	4134742.83	12.85952	600229.61	4134742.49
12.76030				
600222.16	4134742.15	12.68949	600214.71	4134741.81
12.61252				
600207.27	4134741.48	12.43224	600331.95	4134738.57
13.19383				
600325.64	4134742.72	13.11915	600319.33	4134746.87
13.05058				
600313.02	4134751.01	12.98738	600306.71	4134755.16
12.93529				
600292.86	4134758.96	12.99471	600285.32	4134758.62
12.98510				
600277.77	4134758.28	12.95308	600270.23	4134757.94
12.91517				
600262.69	4134757.60	12.86416	600255.15	4134757.25
12.79268				
600247.60	4134756.91	12.71698	600240.06	4134756.57
12.63042				
600232.52	4134756.23	12.53420	600224.98	4134755.88
12.44622				
600217.43	4134755.54	12.35808	600209.89	4134755.20

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12.25319
600202.35 4134754.86 12.10353 600346.05 4134745.57
12.72325
600340.07 4134749.50 12.66406 600334.09 4134753.43
12.60483
600328.11 4134757.36 12.54414 600322.13 4134761.29
12.48065
600316.15 4134765.22 12.43742 600310.17 4134769.15
12.39695
    
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*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600297.04	4134772.76	12.45596	600289.89	4134772.43	
12.52797					
600282.74	4134772.11	12.54337	600275.59	4134771.78	
12.53922					
600268.44	4134771.46	12.53028	600261.29	4134771.14	
12.50200					
600254.14	4134770.81	12.45475	600246.99	4134770.49	
12.40422					
600239.84	4134770.16	12.33582	600232.69	4134769.84	
12.25794					
600225.54	4134769.51	12.17981	600218.39	4134769.19	
12.08473					
600211.24	4134768.86	11.98169	600204.09	4134768.54	
11.87060					
600196.94	4134768.21	11.76050	600350.40	4134758.97	
12.13107					
600344.34	4134762.95	12.08946	600338.28	4134766.94	
12.04020					
600332.22	4134770.92	12.00952	600326.15	4134774.91	
11.96985					
600320.09	4134778.89	11.93189	600314.03	4134782.87	
11.88885					
600300.72	4134786.53	11.90891	600293.47	4134786.20	
11.97866					
600286.23	4134785.87	12.04407	600278.98	4134785.54	
12.09002					
600271.74	4134785.21	12.12477	600264.49	4134784.88	
12.14833					
600257.24	4134784.56	12.13051	600250.00	4134784.23	
12.10158					
600242.75	4134783.90	12.05388	600235.50	4134783.57	
11.99605					
600228.26	4134783.24	11.93680	600221.01	4134782.91	
11.86040					
600213.76	4134782.58	11.77521	600206.52	4134782.25	
11.69003					
600199.27	4134781.92	11.58844	600192.02	4134781.59	

11.45443					
600307.59	4134811.84	11.12812	600300.25	4134811.51	
11.18098					
600292.92	4134811.17	11.22709	600285.58	4134810.84	
11.30466					
600278.25	4134810.51	11.36987	600270.91	4134810.17	
11.42403					
600263.58	4134809.84	11.47351	600256.24	4134809.51	
11.49791					
600248.91	4134809.17	11.51855	600241.57	4134808.84	
11.52168					
600234.24	4134808.51	11.51542	600226.90	4134808.18	
11.48418					
600219.57	4134807.84	11.43604	600212.23	4134807.51	
11.37820					
600204.90	4134807.18	11.30375	600197.56	4134806.84	
11.17428					
600190.23	4134806.51	11.03725	600182.89	4134806.18	
10.89296					
600292.25	4134836.14	10.73728	600284.84	4134835.80	
10.79393					
600277.43	4134835.47	10.83814	600270.03	4134835.13	
10.87719					
600262.62	4134834.79	10.90426	600255.22	4134834.46	
10.95325					
600247.81	4134834.12	10.99959	600240.40	4134833.79	
11.03591					
600233.00	4134833.45	11.06303	600225.59	4134833.11	
11.05814					
600218.19	4134832.78	10.98358	600210.78	4134832.44	
10.89982					
600203.37	4134832.10	10.80718	600195.97	4134831.77	
10.70605					
600188.56	4134831.43	10.59704	600181.15	4134831.10	
10.48034					
600173.75	4134830.76	10.35691	600269.10	4134860.09	
10.54968					
600261.64	4134859.75	10.55625	600254.17	4134859.41	
10.55207					
600246.71	4134859.07	10.54428	600239.24	4134858.73	
10.51893					
600231.78	4134858.39	10.49035	600224.31	4134858.05	
10.47221					

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600216.85	4134857.71	10.42382	600209.38	4134857.37	
10.36605					
600201.92	4134857.04	10.29924	600194.45	4134856.70	

10.22402				
600186.99	4134856.36	10.14082	600179.52	4134856.02
10.04981				
600172.05	4134855.68	9.93259	600164.59	4134855.34
9.79544				
600253.11	4134884.36	9.90511	600245.60	4134884.02
9.91667				
600238.08	4134883.67	9.91882	600230.57	4134883.33
9.91112				
600223.06	4134882.99	9.89407	600215.54	4134882.65
9.86768				
600208.03	4134882.31	9.83249	600200.51	4134881.97
9.78396				
600193.00	4134881.63	9.69563	600185.48	4134881.29
9.60452				
600177.97	4134880.94	9.50680	600170.45	4134880.60
9.39800				
600162.94	4134880.26	9.28775	600155.42	4134879.92
9.17169				
600492.93	4134784.82	7.38440	600497.70	4134778.88
7.44436				
600502.46	4134772.94	7.49262	600507.23	4134767.00
7.54926				
600511.99	4134761.05	7.65258	600516.76	4134755.11
7.75547				
600521.52	4134749.17	7.85437	600526.29	4134743.23
7.94703				
600531.05	4134737.29	8.03251	600535.82	4134731.35
8.05987				
600540.58	4134725.41	8.07977	600545.35	4134719.47
8.09971				
600550.11	4134713.53	8.11280	600554.88	4134707.58
8.12688				
600559.64	4134701.64	8.16166	600564.41	4134695.70
8.17398				
600569.17	4134689.76	8.16516	600573.93	4134683.82
8.15530				
600284.82	4134706.44	14.27007	600298.48	4134750.27
13.20830				
600322.29	4134768.74	12.21180	600266.30	4134791.75
11.94979				
600272.25	4134796.36	11.78393	600278.20	4134800.98
11.61685				
600184.73	4134761.67	11.51665	600202.59	4134775.53
11.74205				
600226.40	4134794.01	11.69610	600232.35	4134798.63
11.66007				
600256.16	4134817.10	11.31083	600262.11	4134821.72
11.15403				
600268.06	4134826.34	11.00334	600255.53	4134443.24
7.96755				
600250.53	4134450.24	8.02896	600234.17	4134427.98
6.61325				
600229.17	4134434.98	6.60976	600212.81	4134412.72
5.54996				
600207.81	4134419.72	5.53558	600295.16	4134734.83
13.72031				
600288.21	4134723.54	13.95039	600328.43	4134783.98
11.66159				
600304.01	4134795.56	11.56155	600241.49	4134693.91
13.57801				
600247.51	4134463.15	8.38684	600312.99	4134805.21
11.24265				
600188.40	4134609.36	10.70354	600212.56	4134506.02

8.22004					
600215.58	4134493.11	7.77415		600218.60	4134480.19
7.48608					
600221.62	4134467.27	7.21452		600224.64	4134454.36
6.96750					
600292.05	4134822.44	10.95253		600248.80	4134798.45
11.75011					
600156.45	4134639.39	9.70637		600159.47	4134626.47
9.48447					
600162.49	4134613.55	9.25644		600165.51	4134600.63
9.01040					
600177.60	4134548.94	8.25977		600180.62	4134536.02
7.96358					

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

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**MODELOPTs: RegDFault CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600183.64	4134523.10	7.63622	600186.66	4134510.18	
7.17461					
600189.68	4134497.25	6.75230	600192.70	4134484.33	
6.48009					
600195.73	4134471.41	6.24730	600198.75	4134458.49	
6.05201					
600201.77	4134445.57	5.87692	600204.79	4134432.64	
5.70341					
600276.61	4134843.66	10.73761	600494.00	4134792.43	
7.17124					
600484.25	4134805.17	7.03851	600494.00	4134806.71	
6.86659					
600484.29	4134819.47	6.75776	600494.00	4134821.00	
6.60003					
600534.66	4134711.40	8.55732	600542.72	4134708.44	
8.40927					
600528.07	4134727.24	8.35957	600547.39	4134736.97	
7.74100					
600539.18	4134738.91	7.82126	600514.54	4134744.72	
8.16701					
600555.50	4134734.00	7.66751	600553.63	4134749.78	
7.29519					
600545.11	4134751.79	7.35719	600536.59	4134753.80	
7.42872					
600528.07	4134755.81	7.51619	600561.89	4134746.78	
7.27569					
600560.14	4134762.53	6.90304	600551.87	4134764.48	
6.94636					
600543.61	4134766.43	6.99790	600535.34	4134768.38	
7.06743					
600527.07	4134770.34	7.14577	600518.80	4134772.29	
7.22971					
600510.54	4134774.24	7.31889	600568.28	4134759.55	

6.84225				
600566.41	4134775.34	6.61380	600557.89	4134777.35
6.67554				
600549.37	4134779.36	6.72317	600540.85	4134781.37
6.77663				
600532.33	4134783.38	6.83496	600523.81	4134785.39
6.90175				
600515.30	4134787.40	6.97000	600506.78	4134789.41
7.04407				
600574.67	4134772.33	6.51842	600572.90	4134788.09
6.38394				
600564.60	4134790.05	6.46004	600556.29	4134792.01
6.49203				
600547.99	4134793.97	6.52564	600539.68	4134795.93
6.56578				
600531.37	4134797.89	6.60251	600523.07	4134799.85
6.64737				
600514.76	4134801.81	6.70049	600506.46	4134803.77
6.76114				
600581.05	4134785.11	6.31917	600579.18	4134800.89
6.17269				
600570.67	4134802.90	6.21706	600562.15	4134804.91
6.26898				
600553.63	4134806.92	6.27850	600545.11	4134808.93
6.29572				
600536.59	4134810.95	6.31902	600528.07	4134812.96
6.35733				
600519.56	4134814.97	6.40583	600511.04	4134816.98
6.46436				
600502.52	4134818.99	6.52915	600587.44	4134797.89
6.15502				
600590.97	4134824.36	5.65723	600582.53	4134826.35
5.71863				
600574.10	4134828.34	5.78881	600565.67	4134830.33
5.85508				
600557.24	4134832.32	5.87603	600548.81	4134834.31
5.88725				
600540.38	4134836.30	5.90735	600531.94	4134838.29
5.93720				
600523.51	4134840.28	5.99926	600515.08	4134842.27
6.06560				
600506.65	4134844.26	6.13972	600599.18	4134821.36
5.65196				
600602.58	4134847.87	5.38824	600593.89	4134849.92
5.41708				
600585.21	4134851.97	5.44795	600576.52	4134854.02
5.47978				

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600567.83	4134856.07	5.50446	600559.15	4134858.12
5.53014				
600550.46	4134860.17	5.56242	600541.77	4134862.22
5.60674				
600533.09	4134864.27	5.65893	600610.92	4134844.84
5.37288				
600614.36	4134871.34	5.10913	600605.76	4134873.37
5.13530				
600597.17	4134875.40	5.14551	600588.57	4134877.42
5.15444				
600579.97	4134879.45	5.16916	600571.38	4134881.48
5.18076				
600562.78	4134883.51	5.20059	600554.18	4134885.54
5.27351				
600622.66	4134868.32	5.03874	600626.14	4134894.81
4.74862				
600617.61	4134896.82	4.82179	600609.09	4134898.83
4.84189				
600600.56	4134900.84	4.85882	600592.04	4134902.86
4.88379				
600583.51	4134904.87	4.92747	600574.99	4134906.88
4.98142				
600634.40	4134891.80	4.68743	600572.59	4134652.25
9.45879				
600573.32	4134662.52	8.93864	600578.07	4134656.82
8.97824				
600582.82	4134651.13	9.00202	600587.57	4134645.43
9.01835				
600592.32	4134639.74	9.06708	600597.07	4134634.04
9.13172				
600601.82	4134628.35	9.18040	600606.57	4134622.65
9.21104				
600611.32	4134616.96	9.22724	600616.07	4134611.27
9.21113				
600620.82	4134605.57	9.19471	600625.57	4134599.88
9.19931				
600630.32	4134594.18	9.22424	600635.07	4134588.49
9.24071				
600639.82	4134582.79	9.26031	600564.34	4134682.41
8.52196				
600554.42	4134690.27	8.66434	600574.06	4134672.79
8.47935				
600578.81	4134667.09	8.52291	600583.56	4134661.40
8.55249				
600588.31	4134655.70	8.57216	600593.06	4134650.01
8.57587				
600597.81	4134644.31	8.60324	600602.56	4134638.62
8.65260				
600607.31	4134632.92	8.69224	600612.06	4134627.23
8.70963				
600616.81	4134621.54	8.71484	600621.56	4134615.84
8.70858				
600626.31	4134610.15	8.72063	600631.06	4134604.45
8.74143				
600635.81	4134598.76	8.75500	600640.56	4134593.06
8.76696				
600645.31	4134587.37	8.77182	600650.06	4134581.67
8.78944				
600654.81	4134575.98	8.81834	600659.56	4134570.29
8.85406				
600664.31	4134564.59	8.88259	600669.06	4134558.90
8.90309				
600673.81	4134553.20	8.93051	600678.56	4134547.51

8.96369					
600683.31	4134541.81	8.99884	600688.06	4134536.12	
9.03969					
600692.81	4134530.42	9.07800	600697.56	4134524.73	
9.10843					
600702.31	4134519.04	9.14976	600707.06	4134513.34	
9.19348					
600711.81	4134507.65	9.23881	600716.56	4134501.95	
9.29128					
600721.31	4134496.26	9.33610	600579.54	4134677.36	
8.12888					
600584.29	4134671.67	8.15832	600589.04	4134665.97	
8.18154					
600593.79	4134660.28	8.19407	600598.54	4134654.58	
8.20410					
600603.29	4134648.89	8.21514	600608.04	4134643.19	
8.24085					

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600612.79	4134637.50	8.26927	600617.54	4134631.81	
8.28254					
600622.29	4134626.11	8.28025	600627.04	4134620.42	
8.29861					
600631.79	4134614.72	8.32033	600636.54	4134609.03	
8.33571					
600641.29	4134603.33	8.34513	600646.04	4134597.64	
8.34802					
600650.79	4134591.94	8.34999	600655.54	4134586.25	
8.35484					
600660.29	4134580.56	8.38789	600665.04	4134574.86	
8.41946					
600669.79	4134569.17	8.44409	600674.54	4134563.47	
8.46257					
600679.29	4134557.78	8.47465	600684.04	4134552.08	
8.50172					
600688.79	4134546.39	8.54663	600693.54	4134540.69	
8.58574					
600698.29	4134535.00	8.62225	600703.04	4134529.31	
8.64837					
600707.79	4134523.61	8.68133	600712.54	4134517.92	
8.72412					
600717.29	4134512.22	8.77767	600722.04	4134506.53	
8.82902					
600726.79	4134500.83	8.87441	600731.54	4134495.14	
8.91671					
600736.29	4134489.44	8.96867	600741.04	4134483.75	
9.02061					
600745.79	4134478.06	9.08098	600580.53	4134696.35	

7.67838				
600570.05	4134704.64	7.80552	600559.58	4134712.93
7.92426				
600590.51	4134686.51	7.59447	600595.26	4134680.82
7.56742				
600600.01	4134675.12	7.54198	600604.76	4134669.43
7.54811				
600609.51	4134663.73	7.55491	600614.26	4134658.04
7.56235				
600619.01	4134652.34	7.56743	600623.76	4134646.65
7.58096				
600628.51	4134640.96	7.60430	600633.26	4134635.26
7.62668				
600638.01	4134629.57	7.64316	600642.76	4134623.87
7.65332				
600647.51	4134618.18	7.65726	600652.26	4134612.48
7.65992				
600657.01	4134606.79	7.66088	600661.76	4134601.09
7.66503				
600666.51	4134595.40	7.67175	600671.26	4134589.71
7.68128				
600676.01	4134584.01	7.69380	600680.76	4134578.32
7.70869				
600685.51	4134572.62	7.73033	600690.26	4134566.93
7.75415				
600695.01	4134561.23	7.77695	600699.76	4134555.54
7.79450				
600704.51	4134549.84	7.82982	600709.26	4134544.15
7.85625				
600714.01	4134538.46	7.88535	600718.76	4134532.76
7.92095				
600723.51	4134527.07	7.95872	600728.26	4134521.37
8.00630				
600733.01	4134515.68	8.05578	600737.76	4134509.98
8.09651				
600742.51	4134504.29	8.13119	600747.26	4134498.59
8.17763				
600752.01	4134492.90	8.23474	600756.76	4134487.21
8.30356				
600591.58	4134705.44	7.23400	600581.27	4134713.60
7.35654				
600570.96	4134721.76	7.50958	600601.48	4134695.66
7.11831				
600606.23	4134689.97	7.08218	600610.98	4134684.27
7.04489				
600615.73	4134678.58	7.00991	600620.48	4134672.88
6.99925				
600625.23	4134667.19	7.01740	600629.98	4134661.50
7.04439				
600634.73	4134655.80	7.07102	600639.48	4134650.11
7.09226				

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600644.23	4134644.41	7.10783	600648.98	4134638.72	
7.12051					
600653.73	4134633.02	7.12271	600658.48	4134627.33	
7.11427					
600663.23	4134621.63	7.10838	600667.98	4134615.94	
7.10482					
600672.73	4134610.25	7.10393	600677.48	4134604.55	
7.10602					
600682.23	4134598.86	7.11070	600686.98	4134593.16	
7.13384					
600691.73	4134587.47	7.15978	600696.48	4134581.77	
7.18501					
600701.23	4134576.08	7.20476	600705.98	4134570.38	
7.21960					
600710.73	4134564.69	7.22565	600715.48	4134559.00	
7.23185					
600720.23	4134553.30	7.25274	600724.98	4134547.61	
7.28337					
600729.73	4134541.91	7.31706	600734.48	4134536.22	
7.35309					
600739.23	4134530.52	7.39179	600743.98	4134524.83	
7.43567					
600748.73	4134519.13	7.48852	600753.48	4134513.44	
7.53899					
600758.23	4134507.75	7.58309	600762.98	4134502.05	
7.62077					
600767.73	4134496.36	7.65145	600601.98	4134715.04	
6.82442					
600596.25	4134719.57	6.90938	600590.52	4134724.11	
6.98554					
600584.79	4134728.64	7.06657	600579.07	4134733.17	
7.15204					
600573.34	4134737.71	7.23202	600567.61	4134742.24	
7.27054					
600607.70	4134710.51	6.74099	600612.45	4134704.81	
6.70278					
600617.20	4134699.12	6.66201	600621.95	4134693.42	
6.62361					
600626.70	4134687.73	6.60756	600631.45	4134682.04	
6.60577					
600636.20	4134676.34	6.60820	600640.95	4134670.65	
6.63677					
600645.70	4134664.95	6.66046	600650.45	4134659.26	
6.68171					
600655.20	4134653.56	6.68372	600659.95	4134647.87	
6.67030					
600664.70	4134642.17	6.65846	600669.45	4134636.48	
6.64810					
600674.20	4134630.79	6.63964	600678.95	4134625.09	
6.63353					
600683.70	4134619.40	6.62957	600688.45	4134613.70	
6.64736					
600693.20	4134608.01	6.66799	600697.95	4134602.31	
6.69206					
600702.70	4134596.62	6.71931	600707.45	4134590.92	
6.74593					
600712.20	4134585.23	6.77572	600716.95	4134579.54	
6.76939					
600721.70	4134573.84	6.76359	600726.45	4134568.15	

6.76605				
600731.20	4134562.45	6.76935	600735.95	4134556.76
6.77687				
600740.70	4134551.06	6.80846	600745.45	4134545.37
6.84918				
600750.20	4134539.67	6.90309	600754.95	4134533.98
6.95944				
600759.70	4134528.29	7.01815	600764.45	4134522.59
7.06712				
600769.20	4134516.90	7.10496	600773.95	4134511.20
7.13600				
600778.70	4134505.51	7.15629	600613.07	4134724.09
6.45225				
600607.47	4134728.52	6.53043	600601.87	4134732.96
6.60397				
600596.27	4134737.39	6.67763	600590.67	4134741.82
6.72751				
600585.08	4134746.25	6.77132	600579.48	4134750.69
6.80457				
600573.88	4134755.12	6.83115	600618.67	4134719.66
6.37932				

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600623.42	4134713.96	6.33716	600628.17	4134708.27	
6.31927					
600632.92	4134702.57	6.30184	600637.67	4134696.88	
6.29236					
600642.42	4134691.19	6.29107	600647.17	4134685.49	
6.29839					
600651.92	4134679.80	6.31409	600656.67	4134674.10	
6.31051					
600661.42	4134668.41	6.29535	600666.17	4134662.71	
6.28114					
600670.92	4134657.02	6.26770	600675.67	4134651.32	
6.25550					
600680.42	4134645.63	6.24445	600685.17	4134639.94	
6.24243					
600689.92	4134634.24	6.25378	600694.67	4134628.55	
6.26336					
600699.42	4134622.85	6.27959	600704.17	4134617.16	
6.29857					
600708.92	4134611.46	6.32087	600713.67	4134605.77	
6.34635					
600718.42	4134600.07	6.36209	600723.17	4134594.38	
6.37194					
600727.92	4134588.69	6.37629	600732.67	4134582.99	
6.37587					
600737.42	4134577.30	6.37118	600742.17	4134571.60	

6.37119				
600746.92	4134565.91	6.38986	600751.67	4134560.21
6.41537				
600756.42	4134554.52	6.45053	600761.17	4134548.82
6.50315				
600765.92	4134543.13	6.55817	600770.67	4134537.44
6.61546				
600775.42	4134531.74	6.66649	600780.17	4134526.05
6.70157				
600784.92	4134520.35	6.71726	600789.67	4134514.66
6.73432				
600624.14	4134733.16	6.13192	600618.65	4134737.51
6.19089				
600613.15	4134741.87	6.24109	600607.65	4134746.22
6.29074				
600602.15	4134750.57	6.33963	600596.66	4134754.92
6.38743				
600591.16	4134759.27	6.42553	600585.66	4134763.63
6.44904				
600580.16	4134767.98	6.47534	600629.64	4134728.81
6.10184				
600634.39	4134723.11	6.08801	600639.14	4134717.42
6.06552				
600643.89	4134711.73	6.03117	600648.64	4134706.03
5.99808				
600653.39	4134700.34	6.00081	600658.14	4134694.64
5.99646				
600662.89	4134688.95	5.98455	600667.64	4134683.25
5.96553				
600672.39	4134677.56	5.94332	600677.14	4134671.86
5.92596				
600681.89	4134666.17	5.91302	600686.64	4134660.48
5.91205				
600691.39	4134654.78	5.91987	600696.14	4134649.09
5.92913				
600700.89	4134643.39	5.94038	600705.64	4134637.70
5.95363				
600710.39	4134632.00	5.96529	600715.14	4134626.31
5.98362				
600719.89	4134620.61	6.00511	600724.64	4134614.92
6.02516				
600729.39	4134609.23	6.03928	600734.14	4134603.53
6.04304				
600738.89	4134597.84	6.04541	600743.64	4134592.14
6.04700				
600748.39	4134586.45	6.06042	600753.14	4134580.75
6.07718				
600757.89	4134575.06	6.09673	600762.64	4134569.36
6.11919				
600767.39	4134563.67	6.14396	600772.14	4134557.98
6.17088				
600776.89	4134552.28	6.21633	600781.64	4134546.59
6.25909				
600786.39	4134540.89	6.29918	600791.14	4134535.20
6.33161				

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL

A-1285

INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600795.89	4134529.50	6.35680	600800.64	4134523.81	
6.37465					
600635.20	4134742.25	5.91099	600624.37	4134750.82	
5.90924					
600618.95	4134755.10	5.94600	600613.54	4134759.39	
5.98989					
600608.13	4134763.68	6.03303	600602.71	4134767.96	
6.09287					
600591.88	4134776.54	6.24390	600640.61	4134737.96	
5.91379					
600645.36	4134732.27	5.90511	600650.11	4134726.57	
5.87782					
600654.86	4134720.88	5.84168	600659.61	4134715.18	
5.79347					
600664.36	4134709.49	5.74708	600669.11	4134703.79	
5.72297					
600673.86	4134698.10	5.70759	600678.61	4134692.40	
5.68900					
600683.36	4134686.71	5.65942	600688.11	4134681.02	
5.64242					
600692.86	4134675.32	5.63388	600697.61	4134669.63	
5.63740					
600702.36	4134663.93	5.64607	600707.11	4134658.24	
5.65612					
600711.86	4134652.54	5.66800	600716.61	4134646.85	
5.68178					
600721.36	4134641.15	5.69796	600726.11	4134635.46	
5.71215					
600730.86	4134629.77	5.73347	600735.61	4134624.07	
5.75810					
600740.36	4134618.38	5.78614	600745.11	4134612.68	
5.79815					
600749.86	4134606.99	5.80321	600754.61	4134601.29	
5.81148					
600759.36	4134595.60	5.82262	600764.11	4134589.90	
5.83687					
600768.86	4134584.21	5.85371	600773.61	4134578.52	
5.87313					
600778.36	4134572.82	5.88146	600783.11	4134567.13	
5.90538					
600787.86	4134561.43	5.93567	600792.61	4134555.74	
5.97620					
600797.36	4134550.04	6.00930	600802.11	4134544.35	
6.03442					
600806.86	4134538.65	6.04781	600811.61	4134532.96	
6.05838					
600646.24	4134751.34	5.70918	600635.55	4134759.80	
5.69674					
600624.86	4134768.27	5.72405	600614.17	4134776.73	
5.94172					
600603.48	4134785.19	6.08902	600656.33	4134741.42	
5.73044					
600661.08	4134735.72	5.72856	600665.83	4134730.03	
5.68114					
600670.58	4134724.33	5.63046	600675.33	4134718.64	

5.58172					
600680.08	4134712.94	5.53498	600684.83	4134707.25	
5.49425					
600689.58	4134701.55	5.47182	600694.33	4134695.86	
5.45427					
600699.08	4134690.17	5.43751	600703.83	4134684.47	
5.42170					
600708.58	4134678.78	5.40670	600713.33	4134673.08	
5.40476					
600718.08	4134667.39	5.41603	600722.83	4134661.69	
5.42908					
600727.58	4134656.00	5.44391	600732.33	4134650.30	
5.46103					
600737.08	4134644.61	5.48059	600741.83	4134638.92	
5.49831					
600746.58	4134633.22	5.51415	600751.33	4134627.53	
5.53754					
600756.08	4134621.83	5.57449	600760.83	4134616.14	
5.61526					
600765.58	4134610.44	5.62185	600770.33	4134604.75	
5.63105					
600775.08	4134599.05	5.63773	600779.83	4134593.36	
5.62655					
600784.58	4134587.67	5.61898	600789.33	4134581.97	
5.62885					

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): CON_ZONE , ***

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600794.08	4134576.28	5.64995	600798.83	4134570.58	
5.67751					
600803.58	4134564.89	5.72047	600808.33	4134559.19	
5.75082					
600813.08	4134553.50	5.76813	600817.83	4134547.80	
5.77357					
600822.58	4134542.11	5.78102	600666.16	4134768.34	
5.35923					
600660.58	4134772.76	5.43378	600655.00	4134777.18	
5.51994					
600649.41	4134781.60	5.57992	600643.83	4134786.02	
5.61708					
600638.25	4134790.44	5.65391	600632.67	4134794.85	
5.69082					
600627.09	4134799.27	5.72751	600621.51	4134803.69	
5.76384					
600615.93	4134808.11	5.80052	600610.34	4134812.53	
5.77142					
600604.76	4134816.95	5.70372	600671.74	4134763.93	
5.32436					
600676.49	4134758.23	5.32945	600681.24	4134752.54	

5.33996				
600685.99	4134746.84	5.35155	600690.74	4134741.15
5.36415				
600695.49	4134735.45	5.34969	600700.24	4134729.76
5.31539				
600704.99	4134724.06	5.26567	600709.74	4134718.37
5.21775				
600714.49	4134712.68	5.16709	600719.24	4134706.98
5.10552				
600723.99	4134701.29	5.07378	600728.74	4134695.59
5.05651				
600733.49	4134689.90	5.04879	600738.24	4134684.20
5.05084				
600742.99	4134678.51	5.06290	600747.74	4134672.81
5.05884				
600752.49	4134667.12	5.05615	600757.24	4134661.43
5.05506				
600761.99	4134655.73	5.05580	600766.74	4134650.04
5.05828				
600771.49	4134644.34	5.07171	600776.24	4134638.65
5.10565				
600780.99	4134632.95	5.13807	600785.74	4134627.26
5.17830				
600790.49	4134621.56	5.22190	600795.24	4134615.87
5.26317				
600799.99	4134610.18	5.24768	600804.74	4134604.48
5.23019				
600809.49	4134598.79	5.21581	600814.24	4134593.09
5.20920				
600818.99	4134587.40	5.21389	600823.74	4134581.70
5.23806				
600828.49	4134576.01	5.26340	600833.24	4134570.31
5.29007				
600837.99	4134564.62	5.31775	600842.74	4134558.93
5.34644				
600846.11	4134785.32	5.01289	600855.33	4134789.90
5.04829				
600674.55	4134794.48	5.08363	600668.76	4134799.05
5.11500				
600662.98	4134803.63	5.15359	600657.19	4134808.21
5.18785				
600651.41	4134812.79	5.22145	600645.63	4134817.37
5.25467				
600639.84	4134821.95	5.28770	600634.06	4134826.53
5.32027				
600628.27	4134831.11	5.35150	600622.49	4134835.69
5.38192				
600616.71	4134840.26	5.37751	600691.90	4134780.74
4.97740				
600696.65	4134775.05	4.96530	600701.40	4134769.35
4.95312				
600706.15	4134763.66	4.94045	600710.90	4134757.96
4.92784				
600715.65	4134752.27	4.91584	600720.40	4134746.57
4.90494				
600725.15	4134740.88	4.89474	600729.90	4134735.18
4.88588				
600734.65	4134729.49	4.87940	600739.40	4134723.80
4.85902				

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600744.15	4134718.10	4.79912	600748.90	4134712.41	
4.76099					
600753.65	4134706.71	4.72955	600758.40	4134701.02	
4.73036					
600763.15	4134695.32	4.73243	600767.90	4134689.63	
4.72232					
600772.65	4134683.93	4.70500	600777.40	4134678.24	
4.68097					
600782.15	4134672.55	4.67954	600786.90	4134666.85	
4.68371					
600791.65	4134661.16	4.68923	600796.40	4134655.46	
4.69628					
600801.15	4134649.77	4.70470	600805.90	4134644.07	
4.72292					
600810.65	4134638.38	4.75112	600815.40	4134632.68	
4.77246					
600820.15	4134626.99	4.78630	600824.90	4134621.30	
4.79701					
600829.65	4134615.60	4.79618	600834.40	4134609.91	
4.80100					
600839.15	4134604.21	4.81965	600843.90	4134598.52	
4.83937					
600848.65	4134592.82	4.86038	600853.40	4134587.13	
4.88242					
600858.15	4134581.43	4.90571	600862.90	4134575.74	
4.92990					
600706.47	4134801.98	4.62652	600700.88	4134806.40	
4.65658					
600695.29	4134810.82	4.68658	600689.71	4134815.25	
4.71617					
600684.12	4134819.67	4.74561	600678.53	4134824.09	
4.77472					
600672.95	4134828.51	4.80304	600667.36	4134832.94	
4.83082					
600661.77	4134837.36	4.85832	600656.18	4134841.78	
4.88549					
600650.60	4134846.21	4.91213	600645.01	4134850.63	
4.93859					
600639.42	4134855.05	4.96458	600633.84	4134859.48	
4.98984					
600628.25	4134863.90	5.01470	600712.06	4134797.55	
4.58921					
600716.81	4134791.86	4.58575	600721.56	4134786.17	
4.57501					
600726.31	4134780.47	4.56480	600731.06	4134774.78	
4.55511					
600735.81	4134769.08	4.54632	600740.56	4134763.39	
4.53796					
600745.31	4134757.69	4.53035	600750.06	4134752.00	
4.52361					
600754.81	4134746.30	4.51792	600759.56	4134740.61	

4.51321				
600764.31	4134734.92	4.50979	600769.06	4134729.22
4.50836				
600773.81	4134723.53	4.50784	600778.56	4134717.83
4.50963				
600783.31	4134712.14	4.46416	600788.06	4134706.44
4.40934				
600792.81	4134700.75	4.38317	600797.56	4134695.05
4.36705				
600802.31	4134689.36	4.36010	600807.06	4134683.67
4.35438				
600811.81	4134677.97	4.33899	600816.56	4134672.28
4.33589				
600821.31	4134666.58	4.34098	600826.06	4134660.89
4.35754				
600830.81	4134655.19	4.37879	600835.56	4134649.50
4.40860				
600840.31	4134643.80	4.43216	600845.06	4134638.11
4.44490				
600849.81	4134632.42	4.45844	600854.56	4134626.72
4.47289				
600859.31	4134621.03	4.48812	600864.06	4134615.33
4.50439				
600868.81	4134609.64	4.52153	600873.56	4134603.94
4.53977				
600878.31	4134598.25	4.55893	600883.06	4134592.55
4.57914				
600726.46	4134818.92	4.29318	600720.71	4134823.48
4.31994				

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**MODELOPTs: RegDFault CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600714.95	4134828.03	4.34679	600709.20	4134832.59	
4.37297					
600703.45	4134837.14	4.39903	600697.69	4134841.70	
4.42489					
600691.94	4134846.25	4.45043	600686.18	4134850.81	
4.47572					
600680.43	4134855.36	4.49455	600674.68	4134859.92	
4.50715					
600668.92	4134864.47	4.52882	600663.17	4134869.03	
4.55300					
600657.42	4134873.58	4.57984	600651.66	4134878.14	
4.61495					
600645.91	4134882.69	4.64360	600640.15	4134887.25	
4.66588					
600732.21	4134814.37	4.26649	600736.96	4134808.67	
4.25739					
600741.71	4134802.98	4.24850	600746.46	4134797.29	

4.23301				
600751.21	4134791.59	4.23232	600755.96	4134785.90
4.22528				
600760.71	4134780.20	4.21925	600765.46	4134774.51
4.21428				
600770.21	4134768.81	4.21053	600774.96	4134763.12
4.20773				
600779.71	4134757.42	4.20607	600784.46	4134751.73
4.20521				
600789.21	4134746.04	4.20516	600793.96	4134740.34
4.20614				
600798.71	4134734.65	4.20847	600803.46	4134728.95
4.21376				
600808.21	4134723.26	4.18908	600812.96	4134717.56
4.14447				
600817.71	4134711.87	4.10737	600822.46	4134706.17
4.08436				
600827.21	4134700.48	4.07371	600831.96	4134694.79
4.05754				
600836.71	4134689.09	4.04615	600841.46	4134683.40
4.03578				
600846.21	4134677.70	4.02956	600850.96	4134672.01
4.04857				
600855.71	4134666.31	4.07786	600860.46	4134660.62
4.10481				
600865.21	4134654.92	4.13620	600869.96	4134649.23
4.16886				
600874.71	4134643.54	4.19189	600879.46	4134637.84
4.20471				
600884.21	4134632.15	4.21814	600888.96	4134626.45
4.23240				
600893.71	4134620.76	4.24739	600898.46	4134615.06
4.26330				
600903.21	4134609.37	4.27994	600760.53	4134452.73
9.67232				
600756.32	4134459.97	9.50371	600752.11	4134467.20
9.33598				
600764.13	4134445.11	9.89021	600773.87	4134457.80
8.91121				
600769.59	4134465.15	8.76388	600765.32	4134472.50
8.60679				
600761.04	4134479.86	8.45577	600777.51	4134450.13
9.07177				
600787.42	4134462.53	8.21212	600783.48	4134469.29
8.11612				
600779.54	4134476.06	8.00963	600775.61	4134482.83
7.89794				
600771.67	4134489.59	7.77565	600790.89	4134455.14
8.33590				
600800.76	4134467.61	7.62970	600796.75	4134474.50
7.55262				
600792.74	4134481.39	7.46269	600788.73	4134488.28
7.36781				
600784.72	4134495.17	7.26548	600804.26	4134460.16
7.73673				
600814.10	4134472.68	7.17292	600810.03	4134479.67
7.09231				
600805.96	4134486.67	7.00940	600801.89	4134493.67
6.92497				
600797.82	4134500.66	6.85351	600793.74	4134507.66
6.79307				
600817.64	4134465.18	7.27568	600827.45	4134477.74
6.77880				

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600823.33	4134484.82	6.70430	600819.20	4134491.91	
6.62778					
600815.08	4134499.00	6.55614	600810.95	4134506.09	
6.50450					
600806.83	4134513.18	6.45029	600831.01	4134470.19	
6.87248					
600840.80	4134482.79	6.44313	600836.63	4134489.96	
6.37050					
600832.46	4134497.13	6.28958	600828.29	4134504.29	
6.24368					
600824.12	4134511.46	6.19442	600819.95	4134518.63	
6.14590					
600815.78	4134525.79	6.10305	600844.39	4134475.21	
6.52529					
600854.16	4134487.84	6.16833	600849.95	4134495.08	
6.10724					
600845.74	4134502.31	6.04106	600841.53	4134509.55	
5.98040					
600837.32	4134516.79	5.92611	600833.11	4134524.02	
5.87946					
600828.90	4134531.26	5.83761	600857.77	4134480.22	
6.23330					
600878.73	4134497.08	5.72652	600874.49	4134504.36	
5.67754					
600870.26	4134511.63	5.62349	600866.03	4134518.91	
5.55687					
600861.79	4134526.18	5.48981	600857.56	4134533.46	
5.45556					
600853.32	4134540.74	5.42645	600849.09	4134548.01	
5.39521					
600882.34	4134489.44	5.78420	600903.30	4134506.31	
5.32387					
600899.04	4134513.62	5.30028	600894.79	4134520.93	
5.28834					
600890.54	4134528.24	5.25292	600886.29	4134535.55	
5.19242					
600882.03	4134542.85	5.13994	600877.78	4134550.16	
5.09131					
600873.53	4134557.47	5.05558	600869.28	4134564.78	
5.00421					
600906.92	4134498.66	5.36596	600927.87	4134515.54	
4.93404					
600923.60	4134522.88	4.89042	600919.33	4134530.21	
4.87328					
600915.06	4134537.55	4.86004	600910.80	4134544.88	
4.84033					
600906.53	4134552.21	4.81379	600902.26	4134559.55	

4.77585				
600897.99	4134566.88	4.73050	600893.73	4134574.22
4.68563				
600889.46	4134581.55	4.64202	600931.50	4134507.88
4.98683				
600952.44	4134524.77	4.61610	600948.16	4134532.13
4.58084				
600943.88	4134539.48	4.55165	600939.60	4134546.84
4.53195				
600935.32	4134554.20	4.51591	600931.04	4134561.55
4.50062				
600926.76	4134568.91	4.47901	600922.48	4134576.27
4.44699				
600918.20	4134583.62	4.40818	600913.92	4134590.98
4.37007				
600909.63	4134598.33	4.33316	600956.08	4134517.09
4.66274				
600781.09	4134434.66	9.54772	600797.50	4134422.93
9.20463				
600795.46	4134434.22	8.87003	600793.41	4134445.50
8.56571				
600811.83	4134422.72	8.63795	600809.80	4134433.87
8.33735				
600807.78	4134445.01	8.06595	600828.14	4134411.52
8.39949				
600826.14	4134422.55	8.15911	600824.14	4134433.59
7.91592				
600822.14	4134444.62	7.67995	600820.14	4134455.66
7.45141				
600842.44	4134411.47	7.95580	600840.45	4134422.42
7.74768				
600838.47	4134433.36	7.53954	600836.48	4134444.30
7.33338				

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDFault CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600834.50	4134455.25	7.12951	600843.43	4134400.00	
8.20441					
600856.73	4134411.43	7.57497	600854.76	4134422.30	
7.39013					
600852.79	4134433.17	7.20455	600850.82	4134444.04	
7.01975					
600848.85	4134454.91	6.83676	600846.88	4134465.77	
6.65626					
600857.71	4134400.00	7.79583	600870.94	4134411.85	
7.22649					
600868.82	4134423.56	7.04711	600866.69	4134435.26	
6.86681					
600864.57	4134446.96	6.68661	600862.45	4134458.67	

6.50769				
600860.33	4134470.37	6.34090	600872.00	4134400.00
7.43071				
600897.22	4134411.67	6.68415	600895.16	4134423.02
6.53898				
600893.11	4134434.37	6.39145	600891.05	4134445.72
6.27352				
600888.99	4134457.07	6.15659	600886.93	4134468.42
6.03024				
600884.87	4134479.77	5.89057	600898.25	4134400.00
6.85134				
600923.50	4134411.54	6.22407	600921.49	4134422.62
6.10378				
600919.48	4134433.71	5.98063	600917.47	4134444.79
5.88189				
600915.46	4134455.87	5.79694	600913.45	4134466.95
5.70653				
600911.44	4134478.04	5.58076	600909.43	4134489.12
5.45618				
600924.50	4134400.00	6.36391	600949.71	4134411.76
5.82442				
600947.62	4134423.27	5.71668	600945.53	4134434.79
5.60563				
600943.44	4134446.30	5.50180	600941.35	4134457.82
5.40294				
600939.27	4134469.33	5.31349	600937.18	4134480.85
5.22161				
600935.09	4134492.36	5.12768	600950.75	4134400.00
5.94626				
600975.98	4134411.64	5.47812	600973.93	4134422.91
5.38620				
600971.89	4134434.18	5.29097	600969.85	4134445.46
5.19337				
600967.80	4134456.73	5.09458	600965.76	4134468.00
4.99788				
600963.71	4134479.27	4.93348	600961.67	4134490.55
4.86770				
600959.62	4134501.82	4.78801	600977.00	4134400.00
5.58290				
600869.97	4134390.44	7.66796	600893.37	4134377.03
7.32841				
600895.32	4134386.22	7.13497	600917.58	4134367.37
6.93356				
600919.55	4134376.69	6.76878	600921.53	4134386.02
6.60533				
600947.75	4134385.85	6.15448	600749.25	4134234.05
16.25527				
600743.71	4134229.67	16.49571	600738.18	4134225.28
16.74706				
600732.64	4134220.90	16.98335	600727.10	4134216.52
17.19761				
600721.56	4134212.13	17.38958	600716.02	4134207.75
17.56045				
600710.48	4134203.36	17.69393	600704.94	4134198.98
17.78200				
600699.41	4134194.59	17.82256	600758.12	4134222.85
15.57277				
600752.58	4134218.47	15.80875	600747.04	4134214.08
16.01663				
600741.50	4134209.70	16.22209	600735.97	4134205.31
16.42630				
600730.43	4134200.93	16.61191	600724.89	4134196.55
16.77848				
600719.35	4134192.16	16.89419	600713.81	4134187.78

16.98278
 600708.27 4134183.39 17.01833 600766.99 4134211.65
 14.97298

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 *** 01/05/16
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600761.45	4134207.27	15.18786	600755.91	4134202.88	
15.38963					
600750.37	4134198.50	15.56514	600744.83	4134194.11	
15.70626					
600739.29	4134189.73	15.84065	600733.76	4134185.34	
15.96851					
600728.22	4134180.96	16.07079	600722.68	4134176.58	
16.16236					
600717.14	4134172.19	16.23744	600777.74	4134186.69	
14.10662					
600772.20	4134182.30	14.27057	600766.66	4134177.92	
14.39838					
600761.13	4134173.53	14.50795	600755.59	4134169.15	
14.60046					
600750.05	4134164.76	14.67517	600744.51	4134160.38	
14.73301					
600738.97	4134155.99	14.79368	600733.43	4134151.61	
14.83264					
600794.04	4134166.11	13.13241	600788.50	4134161.72	
13.25456					
600782.96	4134157.34	13.36215	600777.42	4134152.95	
13.45468					
600771.88	4134148.57	13.53255	600766.34	4134144.18	
13.59538					
600821.41	4134154.29	11.95042	600815.87	4134149.91	
12.10923					
600810.33	4134145.52	12.24020	600804.79	4134141.14	
12.35373					
600799.25	4134136.75	12.44332	600793.71	4134132.37	
12.52054					
600788.17	4134127.99	12.58523	600782.64	4134123.60	
12.63696					
600777.10	4134119.22	12.67682	600771.56	4134114.83	
12.70425					
600766.02	4134110.45	12.71992	600854.31	4134146.87	
10.76628					
600848.78	4134142.48	10.92941	600843.24	4134138.10	
11.08963					
600837.70	4134133.71	11.24146	600832.16	4134129.33	
11.36877					
600826.62	4134124.94	11.46468	600821.08	4134120.56	
11.55017					
600815.55	4134116.17	11.62460	600810.01	4134111.79	

11.68877					
600804.47	4134107.40	11.74207	600798.93	4134103.02	
11.78481					
600793.39	4134098.64	11.81684	600787.85	4134094.25	
11.83790					
600782.31	4134089.87	11.84842	600689.04	4134187.28	
17.86062					
600677.86	4134179.88	17.87891	600671.86	4134176.13	
17.89078					
600665.86	4134172.38	17.90413	600659.86	4134168.63	
17.92537					
600653.86	4134164.88	17.94346	600647.86	4134161.13	
17.96514					
600641.86	4134157.38	18.02005	600697.04	4134175.47	
17.06499					
600691.43	4134171.51	17.06984	600685.43	4134167.76	
17.08774					
600679.43	4134164.01	17.07559	600673.43	4134160.26	
17.05535					
600667.43	4134156.51	17.04758	600661.43	4134152.76	
17.03957					
600655.43	4134149.01	17.04066	600649.43	4134145.26	
17.04872					
600703.53	4134162.60	16.29034	600693.00	4134155.65	
16.25335					
600687.00	4134151.90	16.23267	600681.00	4134148.15	
16.20909					
600675.00	4134144.40	16.18459	600669.00	4134140.65	
16.16670					
600663.00	4134136.90	16.13967	600657.00	4134133.15	
16.12572					
600651.00	4134129.40	16.10150	600718.04	4134140.76	
14.87328					
600706.91	4134133.39	14.84878	600700.91	4134129.64	
14.84422					
600694.91	4134125.89	14.83048	600688.91	4134122.14	
14.80669					

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 *** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): CON_ZONE , ***

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600682.91	4134118.39	14.77081	600676.91	4134114.64	
14.71949					
600670.91	4134110.89	14.64790	600664.91	4134107.14	
14.55021					
600745.79	4134096.19	12.72970	600755.91	4134103.32	
12.74280					
600734.74	4134088.87	12.68749	600728.74	4134085.12	
12.65288					
600722.74	4134081.37	12.60405	600716.74	4134077.62	

12.53987				
600710.74	4134073.87	12.45921	600704.74	4134070.12
12.36087				
600698.74	4134066.37	12.24385	600692.74	4134062.62
12.10721				
600760.18	4134074.26	11.83310	600771.25	4134082.06
11.86120				
600748.65	4134066.61	11.77120	600742.65	4134062.86
11.72684				
600736.65	4134059.11	11.66884	600730.65	4134055.36
11.59660				
600724.65	4134051.61	11.50962	600718.65	4134047.86
11.40743				
600712.65	4134044.11	11.28984	600706.65	4134040.36
11.15157				
600641.60	4134120.86	15.77547	600657.67	4134100.10
14.20650				
600684.64	4134054.59	11.75478	600700.71	4134033.83
10.87336				
600773.98	4134438.26	9.77536	600592.69	4134142.61
18.76528				
600582.69	4134135.41	16.91804	600596.87	4134136.82
17.94983				
600586.87	4134129.62	16.33335	600601.04	4134131.02
17.21067				
600591.04	4134123.82	15.78111	600605.22	4134125.22
16.52312				
600595.22	4134118.02	15.25724	600609.39	4134119.43
15.88040				
600599.39	4134112.23	14.74912	600613.56	4134113.63
15.28420				
600603.56	4134106.43	14.26776	600622.74	4134111.43
15.10152				
600612.74	4134104.23	14.29266	600602.74	4134097.03
13.27885				
600661.93	4134161.89	17.50708	600626.91	4134105.64
14.59865				
600616.91	4134098.44	13.82632	600606.91	4134091.24
12.90495				
600663.03	4134144.54	16.54612	600631.08	4134099.84
14.16127				
600621.08	4134092.64	13.40879	600611.08	4134085.44
12.55602				
600650.21	4134112.82	15.10865	600656.84	4134122.94
15.58550				
600625.26	4134086.84	13.03599	600615.26	4134079.64
12.24105				
600654.25	4134106.83	14.68626	600660.80	4134116.82
15.15795				
600667.35	4134126.81	15.52484	600682.81	4134157.68
16.64755				
600678.27	4134187.20	18.21871	600629.43	4134081.05
12.68926				
600619.43	4134073.85	11.94813	600665.61	4134099.82
14.11167				
600684.85	4134129.18	15.20431	600691.27	4134138.96
15.48032				
600690.57	4134195.01	18.17083	600637.78	4134069.45
12.05548				
600627.78	4134062.25	11.41547	600677.96	4134094.35
13.69456				
600684.70	4134104.62	14.10688	600691.44	4134114.90
14.44218				
600708.28	4134140.58	15.11882	600710.71	4134151.79

15.56975					
600707.91	4134170.00	16.48710		600702.30	4134206.43
18.17552					
600702.49	4134107.43	13.92014		600709.09	4134117.50
14.18735					
600715.70	4134127.58	14.42048		600724.69	4134148.64
15.00363					

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): CON_ZONE , ***

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600722.86	4134160.54	15.54629	600654.47	4134046.27	
11.00751					
600644.47	4134039.07	10.49910	600697.32	4134075.22	
12.63397					
600733.07	4134129.74	14.08066	600738.66	4134145.51	
14.46128					
600735.96	4134163.09	15.14526	600734.16	4134174.81	
15.60310					
600731.45	4134192.38	16.30724	600667.82	4134038.27	
10.81921					
600657.82	4134031.07	10.33867	600689.53	4134039.02	
11.05190					
600696.27	4134049.29	11.52550	600703.01	4134059.57	
11.93714					
600723.21	4134090.39	12.92285	600752.59	4134142.70	
13.96213					
600750.72	4134154.84	14.36892	600747.92	4134173.05	
14.98710					
600746.05	4134185.20	15.40428	600671.17	4134023.08	
10.16164					
600661.17	4134015.88	9.73303	600697.83	4134027.35	
10.58836					
600717.73	4134057.70	11.77918	600724.37	4134067.82	
12.09477					
600731.00	4134077.94	12.37272	600747.58	4134103.24	
12.91130					
600754.22	4134113.36	13.06996	600764.73	4134151.53	
13.83234					
600762.89	4134163.49	14.19526	600760.13	4134181.43	
14.73907					
600758.29	4134193.39	15.10041	600755.53	4134211.33	
15.54146					
600679.51	4134011.49	9.76870	600669.51	4134004.29	
9.39344					
600706.14	4134015.69	10.19418	600712.68	4134025.68	
10.60314					
600719.23	4134035.67	10.95989	600742.15	4134070.63	
11.98227					
600748.70	4134080.62	12.20076	600755.25	4134090.61	

12.38742					
600776.00	4134165.98	13.78589	600771.46	4134195.49	
14.56030					
600687.86	4133999.89	9.42916	600677.86	4133992.69	
9.07740					
600721.49	4133994.41	9.46142	600728.08	4134004.46	
9.83589					
600734.66	4134014.50	10.20041	600741.25	4134024.55	
10.51109					
600747.83	4134034.59	10.78884	600754.42	4134044.64	
11.04024					
600761.00	4134054.68	11.26285	600767.59	4134064.72	
11.45593					
600774.17	4134074.77	11.62026	600797.22	4134109.93	
11.96874					
600803.81	4134119.97	12.00063	600806.18	4134130.93	
12.13580					
600703.20	4133978.59	8.84457	600693.20	4133971.39	
8.54934					
600736.84	4133973.13	8.84482	600743.46	4133983.22	
9.13859					
600750.07	4133993.31	9.45078	600756.69	4134003.40	
9.76371					
600763.30	4134013.49	10.06200	600769.92	4134023.58	
10.30876					
600776.53	4134033.67	10.51299	600783.14	4134043.76	
10.69635					
600789.76	4134053.84	10.85797	600796.37	4134063.93	
10.98867					
600802.99	4134074.02	11.09281	600809.60	4134084.11	
11.17065					
600816.21	4134094.20	11.22133	600822.83	4134104.29	
11.24355					
600829.44	4134114.38	11.23636	600830.00	4134137.31	
11.53242					
600828.16	4134149.23	11.67177	600708.54	4133950.09	
8.07724					
600752.19	4133951.85	8.32440	600758.83	4133961.97	
8.58631					
600765.47	4133972.10	8.84129	600772.11	4133982.22	
9.08515					

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600778.75	4133992.35	9.33471	600785.38	4134002.47	
9.56380					
600792.02	4134012.60	9.76142	600798.66	4134022.72	
9.93291					
600805.30	4134032.85	10.10361	600811.94	4134042.98	

10.24710				
600818.57	4134053.10	10.34408	600825.21	4134063.23
10.43089				
600831.85	4134073.35	10.51720	600838.49	4134083.48
10.54049				
600845.13	4134093.60	10.53749	600851.76	4134103.73
10.53204				
600857.48	4134119.84	10.51306	600855.64	4134131.80
10.63412				
600723.87	4133928.78	7.65051	600767.54	4133930.56
7.85636				
600774.20	4133940.72	8.09097	600780.86	4133950.87
8.32006				
600787.52	4133961.03	8.54101	600794.17	4133971.18
8.75036				
600800.83	4133981.34	8.94593	600807.49	4133991.49
9.12492				
600814.15	4134001.65	9.28585	600820.80	4134011.80
9.42687				
600827.46	4134021.96	9.55124	600834.12	4134032.12
9.64614				
600840.78	4134042.27	9.72318	600847.44	4134052.43
9.79088				
600854.09	4134062.58	9.83218	600860.75	4134072.74
9.82923				
600867.41	4134082.89	9.82761	600874.07	4134093.05
9.81453				
600880.73	4134103.20	9.75011	600883.13	4134114.28
9.75454				
600881.28	4134126.29	9.86157	600739.21	4133907.48
7.26224				
600570.85	4134130.11	14.84639	600562.60	4134121.21
13.00789				
600575.45	4134124.42	14.57131	600561.38	4134114.07
12.26020				
600573.71	4134117.15	13.56121	600547.81	4134109.11
10.90744				
600568.64	4134109.04	12.38584	600583.02	4134112.63
13.81300				
600534.86	4134108.81	10.06964	600541.01	4134105.33
10.26184				
600547.15	4134101.86	10.44194	600560.14	4134100.09
11.14306				
600566.99	4134101.79	11.69767	600573.84	4134103.50
12.27428				
600580.69	4134105.21	12.89575	600587.54	4134106.92
13.52089				
600507.15	4134130.81	9.57016	600502.50	4134136.59
9.56140				
600497.86	4134142.38	9.53117	600493.22	4134148.16
9.49904				
600488.58	4134153.95	9.45765	600483.93	4134159.74
9.41057				
600479.29	4134165.52	9.36291	600474.65	4134171.31
9.32635				
600470.00	4134177.09	9.30813	600465.36	4134182.88
9.29828				
600460.72	4134188.66	9.27588	600456.08	4134194.45
9.24859				
600451.43	4134200.24	9.20592	600528.63	4134104.71
9.55198				
600534.56	4134101.36	9.69915	600546.41	4134094.65
10.01806				
600558.94	4134092.95	10.62923	600572.14	4134096.24

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11.59075
600585.35 4134099.54 12.65103 600501.58 4134126.34
9.10193
600496.93 4134132.12 9.07324 600492.29 4134137.91
9.04420
600487.65 4134143.69 9.00549 600483.00 4134149.48
8.96132
600478.36 4134155.27 8.91636 600473.72 4134161.05
8.86359
600469.08 4134166.84 8.83820 600464.43 4134172.62
8.82801
    
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*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFault CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600459.79	4134178.41	8.81128	600455.15	4134184.19	
8.78562					
600450.50	4134189.98	8.75026	600445.86	4134195.77	
8.70974					
600522.57	4134100.52	9.09792	600534.09	4134094.00	
9.35362					
600545.61	4134087.48	9.63085	600557.79	4134085.83	
10.17187					
600570.63	4134089.03	11.00913	600583.47	4134092.23	
11.91537					
600496.01	4134121.87	8.66713	600491.36	4134127.65	
8.63597					
600486.72	4134133.44	8.60075	600482.08	4134139.22	
8.56015					
600477.43	4134145.01	8.51795	600472.79	4134150.80	
8.47163					
600468.15	4134156.58	8.44414	600463.51	4134162.37	
8.42083					
600458.86	4134168.15	8.40212	600454.22	4134173.94	
8.37952					
600449.58	4134179.72	8.35172	600444.93	4134185.51	
8.31432					
600440.29	4134191.30	8.26772	600512.39	4134098.66	
8.60236					
600525.06	4134091.49	8.86363	600537.73	4134084.32	
9.12264					
600544.07	4134080.73	9.26355	600564.53	4134080.67	
10.23303					
600578.66	4134084.19	11.07808	600592.78	4134087.71	
12.00482					
600599.85	4134089.48	12.47477	600490.43	4134117.40	
8.26715					
600485.79	4134123.18	8.23443	600481.15	4134128.97	
8.19746					
600476.51	4134134.75	8.15888	600471.86	4134140.54	

8.11882					
600467.22	4134146.32	8.08742	600462.58	4134152.11	
8.06240					
600457.93	4134157.90	8.03761	600453.29	4134163.68	
8.02201					
600448.65	4134169.47	8.00224	600444.01	4134175.25	
7.96931					
600439.36	4134181.04	7.92253	600434.72	4134186.82	
7.87044					
600506.44	4134094.40	8.23814	600512.58	4134090.93	
8.35806					
600518.72	4134087.45	8.47493	600524.87	4134083.97	
8.58846					
600531.01	4134080.50	8.69720	600537.15	4134077.02	
8.81613					
600543.30	4134073.54	8.93818	600556.29	4134071.78	
9.42077					
600563.14	4134073.48	9.81119	600569.99	4134075.19	
10.15786					
600576.84	4134076.90	10.53270	600583.69	4134078.61	
10.92675					
600590.54	4134080.32	11.33656	600597.39	4134082.02	
11.76340					
600604.23	4134083.73	12.17475	600484.86	4134112.93	
7.90121					
600480.22	4134118.71	7.86688	600475.58	4134124.50	
7.83189					
600470.93	4134130.28	7.79499	600466.29	4134136.07	
7.76385					
600461.65	4134141.85	7.73468	600457.01	4134147.64	
7.70871					
600452.36	4134153.43	7.68649	600447.72	4134159.21	
7.66992					
600443.08	4134165.00	7.65696	600438.43	4134170.78	
7.61488					
600433.79	4134176.57	7.56382	600429.15	4134182.35	
7.51129					
600500.56	4134090.11	7.90206	600512.54	4134083.33	
8.12341					
600524.52	4134076.55	8.32820	600536.50	4134069.77	
8.52669					
600555.16	4134064.66	9.07265	600568.51	4134067.99	
9.74272					
600575.19	4134069.65	10.06726	600588.55	4134072.98	
10.76982					

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*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600595.22	4134074.65	11.13882	600608.58	4134077.98	

11.89924				
600479.29	4134108.46	7.56770	600474.65	4134114.24
7.53202				
600470.01	4134120.03	7.50212	600465.36	4134125.81
7.47357				
600460.72	4134131.60	7.44142	600456.08	4134137.38
7.40833				
600451.44	4134143.17	7.38161	600446.79	4134148.96
7.35852				
600442.15	4134154.74	7.34098	600437.51	4134160.53
7.31913				
600432.86	4134166.31	7.28811	600428.22	4134172.10
7.23685				
600423.58	4134177.88	7.18427	600502.36	4134081.46
7.73245				
600515.26	4134074.16	7.94590	600528.16	4134066.86
8.14197				
600541.06	4134059.56	8.34824	600554.71	4134057.71
8.78547				
600561.90	4134059.50	9.13534	600583.47	4134064.88
10.12130				
600605.05	4134070.26	11.24245	600612.24	4134072.05
11.60929				
600473.72	4134103.98	7.26227	600469.08	4134109.77
7.23187				
600464.44	4134115.56	7.20687	600459.79	4134121.34
7.17733				
600455.15	4134127.13	7.14443	600450.51	4134132.91
7.10772				
600445.86	4134138.70	7.07378	600441.22	4134144.48
7.05661				
600436.58	4134150.27	7.03850	600431.94	4134156.06
7.01230				
600427.29	4134161.84	6.98068	600422.65	4134167.63
6.93718				
600418.01	4134173.41	6.88484	600484.15	4134076.52
7.07072				
600490.30	4134073.04	7.16777	600496.44	4134069.57
7.26212				
600502.58	4134066.09	7.35324	600508.73	4134062.62
7.44152				
600514.87	4134059.14	7.52556	600521.01	4134055.66
7.60553				
600527.16	4134052.19	7.68181	600533.30	4134048.71
7.75327				
600539.44	4134045.23	7.84333	600552.44	4134043.47
8.20427				
600559.29	4134045.17	8.49295	600566.14	4134046.88
8.77154				
600572.98	4134048.59	9.02921	600579.83	4134050.30
9.30182				
600586.68	4134052.01	9.58692	600593.53	4134053.71
9.88433				
600600.38	4134055.42	10.21060	600607.23	4134057.13
10.53351				
600614.08	4134058.84	10.84622	600620.93	4134060.55
11.14226				
600462.58	4134095.04	6.76762	600457.94	4134100.83
6.72481				
600453.29	4134106.62	6.67900	600448.65	4134112.40
6.64835				
600444.01	4134118.19	6.61455	600439.37	4134123.97
6.58957				
600434.72	4134129.76	6.56501	600430.08	4134135.54

6.53841					
600425.44	4134141.33	6.51353	600420.79	4134147.12	
6.48701					
600416.15	4134152.90	6.44871	600411.51	4134158.69	
6.40577					
600406.87	4134164.47	6.35446	600467.10	4134070.92	
6.51242					
600473.48	4134067.31	6.60726	600479.86	4134063.70	
6.69981					
600486.24	4134060.09	6.78970	600492.62	4134056.48	
6.87658					
600499.00	4134052.87	6.96009	600505.38	4134049.26	
7.03991					
600511.76	4134045.65	7.11582	600518.14	4134042.04	
7.18768					

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600524.52	4134038.43	7.25545	600530.90	4134034.82	
7.31922					
600537.28	4134031.21	7.39384	600550.77	4134029.38	
7.72641					
600557.89	4134031.15	7.98986	600565.00	4134032.92	
8.25065					
600572.11	4134034.70	8.48252	600579.22	4134036.47	
8.72733					
600586.34	4134038.24	8.98419	600593.45	4134040.02	
9.25017					
600446.79	4134091.89	6.29450	600442.15	4134097.67	
6.25017					
600437.51	4134103.46	6.21569	600432.87	4134109.25	
6.18762					
600428.22	4134115.03	6.16598	600423.58	4134120.82	
6.13929					
600418.94	4134126.60	6.11376	600414.29	4134132.39	
6.08645					
600409.65	4134138.17	6.04374	600405.01	4134143.96	
5.99608					
600400.37	4134149.75	5.94724	600395.72	4134155.53	
5.89719					
600474.16	4134051.69	6.34937	600480.30	4134048.21	
6.42773					
600486.44	4134044.73	6.50330	600492.59	4134041.26	
6.57629					
600498.73	4134037.78	6.64557	600504.87	4134034.30	
6.71146					
600511.02	4134030.83	6.77432	600517.16	4134027.35	
6.83330					
600523.30	4134023.88	6.88915	600529.45	4134020.40	

6.94183				
600535.59	4134016.92	6.99843	600548.58	4134015.16
7.28156				
600555.43	4134016.86	7.50660	600617.08	4134032.23
9.58463				
600623.92	4134033.94	9.83120	600630.77	4134035.65
10.06771				
600637.62	4134037.36	10.29105	600444.78	4134053.06
5.73814				
600451.11	4134049.48	5.81991	600457.45	4134045.89
5.90001				
600489.12	4134027.97	6.26399	600495.46	4134024.39
6.32785				
600501.80	4134020.80	6.38811	600508.13	4134017.22
6.44493				
600514.47	4134013.63	6.49843	600520.80	4134010.05
6.54876				
600527.14	4134006.46	6.59612	600533.47	4134002.88
6.64093				
600575.12	4134008.10	7.68378	600582.19	4134009.86
7.88781				
600589.25	4134011.62	8.09226	600596.31	4134013.38
8.31447				
600603.38	4134015.14	8.55240	600610.44	4134016.91
8.79207				
600617.50	4134018.67	9.02997	600624.57	4134020.43
9.26352				
600631.63	4134022.19	9.48941	600638.69	4134023.95
9.70539				
600645.76	4134025.71	9.90951	600424.51	4134074.01
5.57872				
600419.87	4134079.79	5.54546	600415.23	4134085.58
5.51326				
600410.58	4134091.36	5.48173	600405.94	4134097.15
5.44512				
600401.30	4134102.93	5.40643	600396.65	4134108.72
5.36579				
600392.01	4134114.51	5.32378	600387.37	4134120.29
5.28030				
600382.73	4134126.08	5.23584	600378.08	4134131.86
5.19021				
600373.44	4134137.65	5.14430	600433.44	4134044.23
5.40735				
600439.59	4134040.76	5.48229	600445.73	4134037.28
5.55547				
600451.87	4134033.80	5.62696	600458.02	4134030.33
5.69687				
600464.16	4134026.85	5.76435	600470.30	4134023.38
5.82959				

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600501.02	4134005.99	6.11345	600507.16	4134002.52	
6.16140					
600513.31	4133999.04	6.20656	600519.45	4133995.57	
6.24905					
600544.73	4133986.85	6.51340	600551.58	4133988.55	
6.67319					
600558.43	4133990.26	6.84384	600565.28	4133991.97	
7.02236					
600572.13	4133993.68	7.20199	600578.98	4133995.38	
7.38559					
600585.83	4133997.09	7.57319	600592.68	4133998.80	
7.76711					
600599.52	4134000.51	7.97299	600606.37	4134002.22	
8.18248					
600613.22	4134003.92	8.39298	600620.07	4134005.63	
8.60294					
600626.92	4134007.34	8.80980	600633.77	4134009.05	
9.01148					
600640.62	4134010.76	9.20607	600647.47	4134012.46	
9.39167					
600654.32	4134014.17	9.56776	600427.30	4134047.71	
5.33142					
600413.37	4134065.07	5.25269	600408.73	4134070.85	
5.22224					
600404.08	4134076.64	5.18971	600399.44	4134082.42	
5.15533					
600394.80	4134088.21	5.11919	600390.16	4134093.99	
5.08126					
600385.51	4134099.78	5.04166	600380.87	4134105.57	
5.00091					
600376.23	4134111.35	4.95896	600371.58	4134117.14	
4.91594					
600366.94	4134122.92	4.87239	600362.30	4134128.71	
4.82848					
600422.46	4134035.20	5.11168	600428.77	4134031.63	
5.18429					
600435.07	4134028.06	5.25528	600441.38	4134024.50	
5.32499					
600447.68	4134020.93	5.39262	600453.99	4134017.36	
5.45840					
600460.29	4134013.79	5.52175	600466.60	4134010.23	
5.58295					
600472.90	4134006.66	5.64118	600479.21	4134003.09	
5.69676					
600485.51	4133999.52	5.74922	600529.65	4133974.55	
6.03994					
600542.99	4133972.73	6.21171	600550.01	4133974.49	
6.35662					
600557.04	4133976.24	6.50802	600564.07	4133977.99	
6.66637					
600571.10	4133979.75	6.83220	600578.13	4133981.50	
7.00508					
600585.16	4133983.25	7.18486	600592.19	4133985.00	
7.37090					
600599.22	4133986.76	7.56242	600606.25	4133988.51	
7.75746					
600613.28	4133990.26	7.95459	600620.31	4133992.02	
8.15223					
600627.34	4133993.77	8.34779	600634.37	4133995.52	
8.53969					
600641.40	4133997.28	8.72656	600648.43	4133999.03	

8.90622					
600655.46	4134000.78	9.07783	600662.48	4134002.53	
9.24026					
600416.16	4134038.77	5.03798	600402.23	4134056.12	
4.95709					
600397.58	4134061.91	4.92635	600392.94	4134067.70	
4.89400					
600388.30	4134073.48	4.85992	600383.66	4134079.27	
4.82435					
600379.01	4134085.05	4.78706	600374.37	4134090.84	
4.74874					
600369.73	4134096.62	4.70923	600365.08	4134102.41	
4.66869					
600360.44	4134108.20	4.62760	600355.80	4134113.98	
4.58591					
600351.16	4134119.77	4.54399	600411.47	4134026.18	
4.84162					
600417.92	4134022.53	4.91216	600424.37	4134018.88	
4.98132					

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*** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600430.82	4134015.23	5.04896	600437.27	4134011.58	
5.11489					
600443.72	4134007.93	5.17891	600450.17	4134004.28	
5.24085					
600456.62	4134000.63	5.30043	600463.07	4133996.98	
5.35752					
600469.52	4133993.33	5.41190	600475.97	4133989.68	
5.46348					
600482.42	4133986.03	5.51218	600488.87	4133982.38	
5.55798					
600495.32	4133978.73	5.60093	600527.58	4133960.48	
5.77813					
600541.22	4133958.62	5.93670	600548.41	4133960.41	
6.07098					
600555.60	4133962.21	6.21134	600562.80	4133964.00	
6.35804					
600569.99	4133965.79	6.51127	600577.18	4133967.59	
6.67147					
600584.37	4133969.38	6.83800	600591.56	4133971.17	
7.01053					
600598.75	4133972.97	7.18853	600605.95	4133974.76	
7.37051					
600613.14	4133976.55	7.55494	600620.33	4133978.35	
7.74069					
600627.52	4133980.14	7.92546	600634.71	4133981.93	
8.10782					
600641.90	4133983.73	8.28650	600649.09	4133985.52	

8.45943				
600656.29	4133987.31	8.62596	600663.48	4133989.11
8.78514				
600670.67	4133990.90	8.93570	600405.01	4134029.83
4.76970				
600386.44	4134052.97	4.65664	600381.80	4134058.75
4.62437				
600377.16	4134064.54	4.59074	600372.51	4134070.33
4.55567				
600367.87	4134076.11	4.51947	600363.23	4134081.90
4.48230				
600358.59	4134087.68	4.44414	600353.94	4134093.47
4.40518				
600349.30	4134099.25	4.36576	600344.66	4134105.04
4.32605				
600340.01	4134110.83	4.28600	600390.89	4134009.81
4.39646				
600397.23	4134006.22	4.46039	600403.58	4134002.63
4.52332				
600409.92	4133999.04	4.58485	600416.27	4133995.44
4.64507				
600422.61	4133991.85	4.70370	600428.96	4133988.26
4.76083				
600435.31	4133984.67	4.81613	600441.65	4133981.08
4.86936				
600448.00	4133977.49	4.92062	600454.34	4133973.90
4.96947				
600460.69	4133970.31	5.01613	600467.03	4133966.72
5.06021				
600492.42	4133952.36	5.21231	600498.76	4133948.77
5.24431				
600505.11	4133945.18	5.27424	600511.45	4133941.59
5.30211				
600517.80	4133938.00	5.32832	600524.14	4133934.41
5.35297				
600544.64	4133934.34	5.59466	600551.71	4133936.11
5.71027				
600558.79	4133937.87	5.83072	600565.86	4133939.64
5.95634				
600572.94	4133941.40	6.08724	600580.01	4133943.17
6.22350				
600587.08	4133944.93	6.36473	600594.16	4133946.69
6.51086				
600601.23	4133948.46	6.66124	600608.31	4133950.22
6.81500				
600615.38	4133951.99	6.97131	600622.46	4133953.75
7.12897				
600629.53	4133955.51	7.28670	600636.60	4133957.28
7.44372				
600643.68	4133959.04	7.59848	600650.75	4133960.81
7.75013				
600657.83	4133962.57	7.89748	600664.90	4133964.33
8.03977				

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI	IN MICROGRAMS/M**3		**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600671.98	4133966.10	8.17691	600679.05	4133967.86	
8.30755					
600686.12	4133969.63	8.43198	600384.54	4134013.40	
4.33139					
600379.90	4134019.18	4.30488	600365.97	4134036.54	
4.21703					
600361.33	4134042.33	4.18544	600356.68	4134048.11	
4.15265					
600352.04	4134053.90	4.11918	600347.40	4134059.68	
4.08485					
600342.76	4134065.47	4.04997	600338.11	4134071.25	
4.01435					
600333.47	4134077.04	3.97857	600328.83	4134082.83	
3.94252					
600324.18	4134088.61	3.90621	600319.54	4134094.40	
3.87015					
600370.33	4133993.42	4.00957	600376.60	4133989.88	
4.06844					
600382.86	4133986.33	4.12623	600389.13	4133982.79	
4.18320					
600395.39	4133979.24	4.23885	600401.66	4133975.70	
4.29346					
600407.92	4133972.16	4.34660	600414.19	4133968.61	
4.39835					
600420.45	4133965.07	4.44848	600426.71	4133961.52	
4.49683					
600432.98	4133957.98	4.54362	600439.24	4133954.43	
4.58831					
600445.51	4133950.89	4.63119	600464.30	4133940.25	
4.74686					
600470.57	4133936.71	4.78127	600476.83	4133933.16	
4.81332					
600483.10	4133929.62	4.84349	600489.36	4133926.07	
4.87136					
600495.63	4133922.53	4.89750	600501.89	4133918.99	
4.92172					
600508.16	4133915.44	4.94426	600514.42	4133911.90	
4.96534					
600520.69	4133908.35	4.98516	600533.93	4133906.55	
5.09434					
600540.92	4133908.29	5.18784	600561.87	4133913.51	
5.48998					
600568.85	4133915.26	5.59900	600575.84	4133917.00	
5.71234					
600582.82	4133918.74	5.82989	600589.81	4133920.48	
5.95172					
600596.79	4133922.22	6.07731	600603.78	4133923.96	
6.20651					
600610.76	4133925.71	6.33870	600617.74	4133927.45	
6.47298					
600624.73	4133929.19	6.60891	600631.71	4133930.93	
6.74542					
600638.70	4133932.67	6.88187	600645.68	4133934.41	
7.01710					
600652.66	4133936.15	7.15040	600659.65	4133937.90	
7.28136					
600666.63	4133939.64	7.40859	600673.62	4133941.38	

7.53207					
600680.60	4133943.12	7.65103	600687.58	4133944.86	
7.76531					
600694.57	4133946.60	7.87462	600701.55	4133948.35	
7.97878					
600364.07	4133996.97	3.95012	600359.43	4134002.75	
3.92334					
600345.50	4134020.11	3.83661	600340.85	4134025.90	
3.80596					
600336.21	4134031.68	3.77480	600331.57	4134037.47	
3.74314					
600326.93	4134043.25	3.71106	600322.28	4134049.04	
3.67859					
600317.64	4134054.83	3.64608	600313.00	4134060.61	
3.61344					
600308.35	4134066.40	3.58075	600303.71	4134072.18	
3.54827					
600299.07	4134077.97	3.51611	600350.02	4133976.91	
3.67159					
600356.44	4133973.27	3.72768	600362.86	4133969.64	
3.78315					
600369.28	4133966.00	3.83776	600375.70	4133962.37	
3.89144					

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600382.13	4133958.74	3.94418	600388.55	4133955.10	
3.99556					
600394.97	4133951.47	4.04572	600401.39	4133947.84	
4.09449					
600407.81	4133944.20	4.14171	600414.24	4133940.57	
4.18752					
600420.66	4133936.94	4.23152	600439.92	4133926.03	
4.35235					
600446.35	4133922.40	4.38893	600452.77	4133918.77	
4.42340					
600459.19	4133915.13	4.45575	600465.61	4133911.50	
4.48615					
600472.03	4133907.87	4.51452	600478.46	4133904.23	
4.54091					
600484.88	4133900.60	4.56536	600491.30	4133896.96	
4.58789					
600497.72	4133893.33	4.60875	600504.14	4133889.70	
4.62808					
600510.57	4133886.06	4.64600	600516.99	4133882.43	
4.66275					
600530.57	4133880.58	4.75857	600537.73	4133882.37	
4.84125					
600544.89	4133884.15	4.92672	600552.05	4133885.94	

5.01554				
600573.53	4133891.29	5.29818	600580.69	4133893.08
5.40188				
600587.85	4133894.86	5.50929	600595.00	4133896.65
5.62582				
600602.16	4133898.43	5.74028	600609.32	4133900.22
5.85791				
600616.48	4133902.01	5.97806	600623.64	4133903.79
6.10000				
600630.80	4133905.58	6.22344	600637.96	4133907.36
6.34726				
600645.12	4133909.15	6.47113	600652.28	4133910.93
6.59391				
600659.44	4133912.72	6.71526	600666.60	4133914.50
6.83406				
600673.76	4133916.29	6.95020	600680.92	4133918.07
7.06276				
600688.08	4133919.86	7.17179	600695.24	4133921.64
7.27653				
600702.40	4133923.43	7.37721	600709.56	4133925.21
7.47304				
600716.72	4133927.00	7.56438	600343.59	4133980.54
3.61480				
600338.95	4133986.32	3.58830	600334.31	4133992.11
3.56101				
600320.38	4134009.47	3.47535	600315.74	4134015.25
3.44605				
600311.09	4134021.04	3.41651	600306.45	4134026.82
3.38695				
600301.81	4134032.61	3.35740	600297.17	4134038.40
3.32794				
600292.52	4134044.18	3.29848	600287.88	4134049.97
3.26940				
600283.24	4134055.75	3.24059	600278.59	4134061.54
3.21210				
600329.47	4133960.52	3.37018	600335.82	4133956.93
3.42186				
600342.16	4133953.34	3.47302	600348.51	4133949.75
3.52377				
600354.86	4133946.15	3.57379	600361.20	4133942.56
3.62297				
600367.55	4133938.97	3.67138	600373.90	4133935.38
3.71877				
600380.24	4133931.79	3.76497	600386.59	4133928.20
3.81010				
600392.94	4133924.61	3.85396	600399.28	4133921.02
3.89632				
600418.32	4133910.24	4.01463	600424.67	4133906.65
4.05091				
600431.02	4133903.06	4.08549	600437.36	4133899.47
4.11824				
600443.71	4133895.88	4.14935	600450.06	4133892.29
4.17865				
600456.40	4133888.70	4.20608	600462.75	4133885.11
4.23179				
600469.10	4133881.51	4.25563	600475.44	4133877.92
4.27771				

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**MODELOPTs: RegDEFAULT CONC ELEV

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*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600481.79	4133874.33	4.29817	600488.14	4133870.74	
4.31703					
600494.48	4133867.15	4.33429	600500.83	4133863.56	
4.34335					
600507.18	4133859.97	4.34904	600513.52	4133856.38	
4.35595					
600526.95	4133854.55	4.43302	600534.02	4133856.31	
4.50582					
600541.10	4133858.08	4.58343	600548.17	4133859.84	
4.66354					
600555.25	4133861.61	4.74676	600562.32	4133863.37	
4.83293					
600569.40	4133865.14	4.90553	600583.55	4133868.67	
5.05796					
600590.63	4133870.43	5.14023	600597.70	4133872.19	
5.23480					
600604.78	4133873.96	5.33951	600611.85	4133875.72	
5.44668					
600618.93	4133877.49	5.55644	600626.00	4133879.25	
5.66538					
600633.08	4133881.02	5.77850	600640.15	4133882.78	
5.89225					
600647.23	4133884.54	6.00647	600654.31	4133886.31	
6.11792					
600661.38	4133888.07	6.23090	600668.46	4133889.84	
6.34278					
600675.53	4133891.60	6.45246	600682.61	4133893.37	
6.56012					
600689.68	4133895.13	6.66189	600696.76	4133896.90	
6.76382					
600703.84	4133898.66	6.85632	600710.91	4133900.42	
6.94516					
600717.99	4133902.19	7.03054	600725.06	4133903.95	
7.11173					
600732.14	4133905.72	7.18917	600323.12	4133964.11	
3.31832					
600318.48	4133969.90	3.29268	600313.84	4133975.68	
3.26645					
600299.91	4133993.04	3.18583	600295.26	4133998.82	
3.15862					
600290.62	4134004.61	3.13165	600285.98	4134010.40	
3.10479					
600281.34	4134016.18	3.07809	600276.69	4134021.97	
3.05159					
600272.05	4134027.75	3.02547	600267.41	4134033.54	
2.99971					
600262.76	4134039.32	2.97422	600258.12	4134045.11	
2.94934					
600448.80	4134210.23	9.46773	600439.21	4134221.05	
9.31602					
600441.87	4134210.94	9.05484	600429.54	4134232.17	
9.17237					
600432.22	4134221.95	8.90957	600434.91	4134211.73	

8.67323					
600437.60	4134201.51	8.46042	600419.81	4134243.49	
9.03060					
600422.52	4134233.19	8.77161	600425.23	4134222.89	
8.53452					
600427.94	4134212.58	8.31977	600430.65	4134202.28	
8.12680					
600412.77	4134244.60	8.63409	600415.50	4134234.23	
8.40087					
600418.23	4134223.85	8.18593	600420.96	4134213.48	
7.99106					
600423.69	4134203.10	7.81517	600426.42	4134192.73	
7.65647					
600407.31	4134255.45	8.72956	600405.73	4134245.72	
8.26672					
600408.47	4134235.29	8.05615	600411.22	4134224.85	
7.86154					
600413.97	4134214.41	7.68393	600416.71	4134203.98	
7.52328					
600419.46	4134193.54	7.37842	600398.68	4134246.85	
7.92471					
600401.44	4134236.35	7.73446	600404.20	4134225.86	
7.55786					
600406.96	4134215.37	7.39579	600409.73	4134204.88	
7.24920					
600412.49	4134194.39	7.11640	600415.25	4134183.90	
6.99579					

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600387.38	4134238.52	7.15238	600390.16	4134227.94	
7.00661					
600392.95	4134217.36	6.87168	600395.73	4134206.79	
6.74783					
600398.51	4134196.21	6.63519	600401.30	4134185.63	
6.53350					
600404.08	4134175.05	6.44037	600387.22	4134284.31	
8.61773					
600381.18	4134275.10	7.91096	600375.14	4134265.89	
7.32904					
600376.11	4134230.07	6.51764	600378.91	4134219.42	
6.40464					
600381.71	4134208.77	6.29981	600384.52	4134198.12	
6.20401					
600387.32	4134187.48	6.11685	600390.12	4134176.83	
6.03757					
600392.92	4134166.18	5.96493	600379.29	4134296.01	
8.59446					
600373.22	4134286.75	7.85426	600367.15	4134277.50	

7.27046				
600361.08	4134268.24	6.77106	600356.41	4134253.63
6.28476				
600364.86	4134221.52	5.98550	600367.68	4134210.82
5.89704				
600370.50	4134200.11	5.81480	600373.31	4134189.41
5.73931				
600376.13	4134178.70	5.67091	600367.20	4134301.37
8.07466				
600361.36	4134292.46	7.43509	600355.51	4134283.56
6.90003				
600349.67	4134274.65	6.47294	600343.83	4134265.74
6.11318				
600342.26	4134256.13	5.90246	600344.97	4134245.83
5.79434				
600347.68	4134235.53	5.69894	600353.11	4134214.92
5.54617				
600355.82	4134204.62	5.47762	600369.37	4134153.10
5.20695				
600359.17	4134312.92	8.07112	600353.28	4134303.95
7.42089				
600347.40	4134294.98	6.88465	600341.52	4134286.01
6.43861				
600335.63	4134277.04	6.07934	600329.75	4134268.07
5.76557				
600328.17	4134258.40	5.57660	600330.90	4134248.02
5.46724				
600333.63	4134237.65	5.36432	600336.36	4134227.27
5.27398				
600347.28	4134185.77	5.04563	600350.01	4134175.40
4.99822				
600352.74	4134165.02	4.95500	600355.47	4134154.65
4.91574				
600358.20	4134144.27	4.87934	600351.18	4134324.54
8.03299				
600345.26	4134315.51	7.41900	600339.34	4134306.49
6.87570				
600333.42	4134297.47	6.42621	600327.50	4134288.44
6.04854				
600321.58	4134279.42	5.72655	600315.67	4134270.39
5.42500				
600314.08	4134260.66	5.25370	600316.83	4134250.23
5.17024				
600330.56	4134198.04	4.80898	600333.30	4134187.61
4.76324				
600336.05	4134177.17	4.72099	600338.80	4134166.73
4.68236				
600341.54	4134156.30	4.64726	600344.29	4134145.86
4.61533				
600347.04	4134135.42	4.58574	600343.23	4134336.21
8.01689				
600337.28	4134327.14	7.39612	600331.33	4134318.07
6.84737				
600325.38	4134309.00	6.39533	600319.43	4134299.93
6.01707				
600313.48	4134290.86	5.67678	600307.53	4134281.79
5.36738				
600301.58	4134272.72	5.10008	600308.27	4134231.46
4.74262				
600311.03	4134220.97	4.66696	600313.79	4134210.48
4.60174				

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600322.07	4134179.01	4.46724	600324.83	4134168.52	
4.43214					
600327.59	4134158.03	4.40023	600330.35	4134147.54	
4.37136					
600333.11	4134137.05	4.34501	600335.87	4134126.56	
4.32054					
600326.15	4134353.89	7.81053	600320.21	4134344.83	
7.23307					
600314.27	4134335.78	6.69850	600308.33	4134326.73	
6.26096					
600302.39	4134317.67	5.89605	600296.45	4134308.62	
5.56072					
600290.51	4134299.57	5.24980	600284.58	4134290.51	
4.98156					
600274.08	4134267.17	4.50073	600276.83	4134256.70	
4.42534					
600279.59	4134246.23	4.38000	600282.34	4134235.76	
4.33705					
600285.10	4134225.29	4.29299	600287.85	4134214.81	
4.22718					
600290.61	4134204.34	4.15584	600293.36	4134193.87	
4.09167					
600301.63	4134162.46	4.00131	600304.39	4134151.99	
3.97579					
600307.14	4134141.52	3.95257	600309.90	4134131.05	
3.93179					
600312.65	4134120.57	3.91261	600315.41	4134110.10	
3.89502					
600312.02	4134376.07	7.85750	600306.09	4134367.03	
7.25991					
600300.16	4134357.99	6.75239	600294.23	4134348.95	
6.31641					
600288.30	4134339.91	5.93789	600282.37	4134330.87	
5.60615					
600276.44	4134321.83	5.31289	600270.51	4134312.79	
5.04661					
600258.65	4134294.71	4.60582	600252.72	4134285.67	
4.40941					
600248.17	4134271.40	4.15042	600250.92	4134260.94	
4.06793					
600253.67	4134250.49	4.00837	600256.42	4134240.03	
3.96894					
600259.17	4134229.58	3.93197	600261.92	4134219.12	
3.89698					
600264.67	4134208.67	3.86073	600267.43	4134198.21	
3.82013					
600270.18	4134187.75	3.76074	600272.93	4134177.30	
3.70776					
600281.18	4134145.93	3.61720	600283.93	4134135.48	

3.59723					
600294.94	4134093.65	3.53488	600293.69	4134391.85	
7.62433					
600287.62	4134382.60	6.99178	600281.56	4134373.35	
6.47323					
600275.49	4134364.10	6.06152	600269.42	4134354.85	
5.70281					
600263.35	4134345.60	5.38744	600257.29	4134336.35	
5.10815					
600239.08	4134308.60	4.43190	600233.02	4134299.35	
4.24802					
600226.95	4134290.10	4.07986	600222.29	4134275.50	
3.85964					
600225.11	4134264.80	3.77549	600227.92	4134254.11	
3.70388					
600230.74	4134243.41	3.66486	600233.55	4134232.71	
3.62835					
600236.37	4134222.01	3.59429	600239.18	4134211.31	
3.56218					
600242.00	4134200.62	3.53207	600244.81	4134189.92	
3.48643					
600247.63	4134179.22	3.43000	600258.89	4134136.43	
3.30732					
600261.70	4134125.73	3.28905	600264.52	4134115.03	
3.27268					
600267.33	4134104.33	3.25797	600270.15	4134093.63	
3.24494					
600272.96	4134082.94	3.23313	600275.78	4134072.24	
3.22235					
600279.66	4134414.18	7.92537	600273.61	4134404.96	
7.32043					

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600267.56	4134395.73	6.73271	600261.51	4134386.51	
6.23461					
600255.46	4134377.29	5.80250	600249.41	4134368.07	
5.46766					
600243.36	4134358.85	5.17621	600237.31	4134349.63	
4.91628					
600225.22	4134331.18	4.47277	600219.17	4134321.96	
4.28210					
600213.12	4134312.74	4.10851	600207.07	4134303.52	
3.94968					
600201.02	4134294.30	3.79628	600196.38	4134279.74	
3.60350					
600199.18	4134269.08	3.53225	600201.99	4134258.41	
3.46262					
600204.80	4134247.75	3.41775	600207.60	4134237.08	

3.38121				
600210.41	4134226.42	3.34719	600221.64	4134183.76
3.19734				
600224.44	4134173.09	3.14838	600227.25	4134162.43
3.10928				
600230.06	4134151.76	3.08777	600232.86	4134141.10
3.06744				
600238.48	4134119.77	3.03114	600241.28	4134109.10
3.01523				
600244.09	4134098.44	3.00108	600246.90	4134087.77
2.98845				
600249.70	4134077.11	2.97717	600252.51	4134066.44
2.96713				
600255.32	4134055.78	2.95799	600374.52	4134301.25
8.51692				
600337.14	4134348.56	8.17860	600323.13	4134366.30
8.11303				
600318.45	4134372.22	8.06929	600309.11	4134384.05
8.02382				
600304.44	4134389.96	8.03931	600290.42	4134407.70
8.20190				
600271.73	4134431.36	8.23031	600267.06	4134437.27
8.25012				
600234.35	4134478.67	8.28838	600229.68	4134484.58
8.24177				
600225.01	4134490.49	8.19626	600201.64	4134520.06
8.33265				
600196.97	4134525.98	8.33059	600192.30	4134531.89
8.32887				
600187.63	4134537.80	8.32590	600182.95	4134543.72
8.32039				
600336.21	4134338.22	7.72856	600331.54	4134344.14
7.72396				
600317.52	4134361.88	7.64741	600303.50	4134379.62
7.56366				
600298.83	4134385.53	7.58156	600289.49	4134397.36
7.67562				
600284.81	4134403.27	7.72654	600266.12	4134426.93
7.78823				
600261.45	4134432.84	7.79977	600242.76	4134456.50
7.89485				
600238.09	4134462.41	7.88019	600233.42	4134468.32
7.83824				
600228.75	4134474.24	7.80614	600210.06	4134497.89
7.67831				
600205.38	4134503.81	7.73693	600200.71	4134509.72
7.80598				
600196.04	4134515.64	7.86915	600191.37	4134521.55
7.93266				
600330.61	4134333.79	7.31091	600325.93	4134339.71
7.30796				
600316.59	4134351.53	7.27451	600311.92	4134357.45
7.23493				
600297.90	4134375.19	7.14899	600283.88	4134392.93
7.23747				
600279.21	4134398.84	7.28689	600260.52	4134422.50
7.39241				
600255.85	4134428.41	7.40440	600251.18	4134434.33
7.41569				
600246.50	4134440.24	7.44179	600241.83	4134446.16
7.45840				
600237.16	4134452.07	7.45585	600232.49	4134457.98
7.44382				
600227.81	4134463.90	7.40644	600209.12	4134487.55

7.27830

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): CON_ZONE , ***

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600204.45	4134493.47	7.24959	600199.78	4134499.38	
7.26396					
600195.11	4134505.29	7.32186	600176.42	4134528.95	
7.54016					
600171.74	4134534.86	7.48737	600395.09	4134240.66	
7.55715					
600325.00	4134329.37	6.92641	600310.98	4134347.11	
6.90278					
600306.31	4134353.02	6.86675	600296.97	4134364.85	
6.81120					
600292.29	4134370.76	6.79167	600278.28	4134388.50	
6.85332					
600254.92	4134418.07	7.03546	600250.24	4134423.99	
7.04732					
600245.57	4134429.90	7.05827	600240.90	4134435.81	
7.06778					
600236.23	4134441.73	7.08412	600231.55	4134447.64	
7.07415					
600212.86	4134471.30	6.95198	600208.19	4134477.21	
6.92319					
600203.52	4134483.12	6.89668	600198.85	4134489.04	
6.86632					
600180.16	4134512.69	7.00636	600175.48	4134518.61	
7.07140					
600170.81	4134524.52	7.11493	600166.14	4134530.43	
7.07829					
600370.79	4134259.89	6.97850	600324.07	4134319.02	
6.58082					
600319.40	4134324.94	6.58124	600305.38	4134342.68	
6.55691					
600291.36	4134360.42	6.48762	600286.69	4134366.33	
6.47128					
600272.67	4134384.07	6.50049	600249.31	4134413.64	
6.71150					
600244.64	4134419.56	6.72327	600225.95	4134443.21	
6.70456					
600216.60	4134455.04	6.64422	600211.93	4134460.95	
6.62258					
600207.26	4134466.87	6.59588	600202.59	4134472.78	
6.57095					
600197.91	4134478.70	6.53003	600179.22	4134502.35	
6.55090					
600174.55	4134508.26	6.61051	600169.88	4134514.18	
6.65907					
600165.21	4134520.09	6.69443	600160.54	4134526.01	

6.69694					
600350.24	4134262.86	6.25685	600312.86	4134310.17	
6.02383					
600298.84	4134327.91	6.00447	600294.17	4134333.82	
5.99092					
600280.15	4134351.56	5.93150	600266.14	4134369.30	
5.90924					
600252.12	4134387.05	5.98934	600238.10	4134404.79	
6.13983					
600233.43	4134410.70	6.15693	600228.76	4134416.62	
6.13823					
600224.08	4134422.53	6.11201	600219.41	4134428.44	
6.08606					
600214.74	4134434.36	6.06691	600210.07	4134440.27	
6.04148					
600191.38	4134463.93	5.89544	600186.71	4134469.84	
5.86415					
600182.03	4134475.75	5.84992	600177.36	4134481.67	
5.85240					
600172.69	4134487.58	5.86047	600168.02	4134493.49	
5.90338					
600163.34	4134499.41	5.95210	600158.67	4134505.32	
5.99619					
600154.00	4134511.24	6.01414	600149.33	4134517.15	
6.01539					
600315.67	4134283.57	5.61764	600306.32	4134295.40	
5.55588					
600301.65	4134301.31	5.54527	600287.63	4134319.05	
5.54840					
600273.62	4134336.79	5.48358	600259.60	4134354.53	
5.45549					
600254.93	4134360.45	5.45394	600240.91	4134378.19	
5.47647					
600226.89	4134395.93	5.57615	600222.22	4134401.85	
5.59078					

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** ***
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**MODELOPTs: RegDFault CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600217.55	4134407.76	5.58660	600203.53	4134425.50	
5.52572					
600194.19	4134437.33	5.43927	600189.51	4134443.24	
5.40181					
600184.84	4134449.16	5.36276	600180.17	4134455.07	
5.33095					
600175.50	4134460.98	5.30191	600170.82	4134466.90	
5.29172					
600166.15	4134472.81	5.32818	600161.48	4134478.72	
5.36624					
600156.81	4134484.64	5.40584	600152.13	4134490.55	

5.44597				
600147.46	4134496.47	5.48712	600142.79	4134502.38
5.50021				
600138.12	4134508.29	5.50356	600299.79	4134280.63
5.15663				
600295.11	4134286.54	5.12022	600281.10	4134304.28
5.13060				
600267.08	4134322.02	5.10559	600262.41	4134327.94
5.09129				
600248.39	4134345.68	5.06872	600234.37	4134363.42
5.07196				
600229.70	4134369.33	5.07685	600215.68	4134387.07
5.11700				
600211.01	4134392.99	5.12395	600206.34	4134398.90
5.12003				
600201.67	4134404.82	5.10578	600196.99	4134410.73
5.08628				
600192.32	4134416.64	5.05347	600187.65	4134422.56
5.01751				
600182.98	4134428.47	4.97013	600178.30	4134434.39
4.92195				
600173.63	4134440.30	4.88523	600168.96	4134446.21
4.88862				
600164.29	4134452.13	4.89710	600159.61	4134458.04
4.90642				
600154.94	4134463.95	4.91693	600150.27	4134469.87
4.94002				
600145.60	4134475.78	4.97564	600140.92	4134481.70
5.01634				
600136.25	4134487.61	5.05800	600131.58	4134493.52
5.09171				
600126.91	4134499.44	5.10846	600370.82	4134144.64
5.15463				
600342.78	4134180.12	4.88877	600300.73	4134233.35
4.63100				
600296.06	4134239.26	4.61495	600291.39	4134245.17
4.58522				
600286.71	4134251.09	4.55285	600268.02	4134274.74
4.50192				
600263.35	4134280.66	4.51605	600249.33	4134298.40
4.48717				
600244.66	4134304.31	4.47406	600235.32	4134316.14
4.45572				
600230.64	4134322.05	4.45003	600216.63	4134339.79
4.44570				
600211.95	4134345.71	4.44730	600207.28	4134351.62
4.44995				
600193.26	4134369.36	4.44824	600188.59	4134375.28
4.46133				
600183.92	4134381.19	4.45664	600179.25	4134387.10
4.43486				
600174.58	4134393.02	4.40983	600169.90	4134398.93
4.37336				
600165.23	4134404.85	4.33486	600160.56	4134410.76
4.30536				
600155.89	4134416.67	4.28432	600151.21	4134422.59
4.27473				
600146.54	4134428.50	4.26951	600141.87	4134434.41
4.27192				
600137.20	4134440.33	4.28208	600132.52	4134446.24
4.29625				
600127.85	4134452.16	4.32188	600123.18	4134458.07
4.35195				
600118.51	4134463.98	4.39396	600359.61	4134135.78

4.83441
 600331.57 4134171.26 4.58056 600308.21 4134200.83
 4.40413
 600303.54 4134206.75 4.38585 600298.87 4134212.66
 4.37188

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600294.19	4134218.58	4.36931	600270.83	4134248.14	
4.24949					
600266.16	4134254.06	4.22399	600261.49	4134259.97	
4.21437					
600256.81	4134265.89	4.21412	600242.80	4134283.63	
4.22974					
600238.12	4134289.54	4.22835	600224.11	4134307.28	
4.20085					
600210.09	4134325.02	4.19107	600205.42	4134330.94	
4.19095					
600200.75	4134336.85	4.17946	600196.07	4134342.76	
4.16497					
600182.06	4134360.51	4.15408	600177.38	4134366.42	
4.16881					
600172.71	4134372.33	4.18781	600168.04	4134378.25	
4.18277					
600163.37	4134384.16	4.14311	600158.69	4134390.08	
4.10493					
600154.02	4134395.99	4.06838	600149.35	4134401.90	
4.03697					
600144.68	4134407.82	4.00736	600140.00	4134413.73	
4.00710					
600135.33	4134419.64	4.01072	600130.66	4134425.56	
4.01524					
600125.99	4134431.47	4.02048	600121.31	4134437.39	
4.02652					
600116.64	4134443.30	4.05242	600111.97	4134449.21	
4.08275					
600107.30	4134455.13	4.11775	600102.62	4134461.04	
4.14670					
600097.95	4134466.95	4.16592	600093.28	4134472.87	
4.17497					
600348.40	4134126.93	4.54661	600320.36	4134162.41	
4.30581					
600315.69	4134168.32	4.26956	600311.02	4134174.24	
4.23460					
600282.98	4134209.72	4.10348	600278.31	4134215.63	
4.09457					
600273.64	4134221.55	4.08055	600268.97	4134227.46	
4.05770					
600240.93	4134262.94	3.95281	600236.26	4134268.86	

3.95821				
600231.59	4134274.77	3.96590	600226.92	4134280.68
3.97624				
600217.57	4134292.51	3.98136	600212.90	4134298.43
3.97523				
600203.55	4134310.25	3.96754	600198.88	4134316.17
3.94663				
600194.21	4134322.08	3.93105	600189.54	4134327.99
3.91318				
600184.86	4134333.91	3.89642	600170.85	4134351.65
3.87793				
600166.17	4134357.56	3.89407	600161.50	4134363.48
3.90345				
600156.83	4134369.39	3.90551	600152.16	4134375.30
3.90027				
600147.48	4134381.22	3.87084	600142.81	4134387.13
3.83595				
600138.14	4134393.05	3.81208	600133.47	4134398.96
3.79522				
600128.79	4134404.87	3.78502	600124.12	4134410.79
3.78458				
600119.45	4134416.70	3.78766	600114.78	4134422.62
3.79160				
600110.10	4134428.53	3.80202	600105.43	4134434.44
3.82239				
600100.76	4134440.36	3.85316	600096.09	4134446.27
3.87866				
600091.42	4134452.18	3.90172	600086.74	4134458.10
3.91881				
600082.07	4134464.01	3.93293	600332.47	4134104.74
4.12451				
600327.80	4134110.65	4.08637	600323.13	4134116.57
4.04859				
600299.77	4134146.13	3.87150	600295.09	4134152.05
3.83962				
600290.42	4134157.96	3.80913	600262.39	4134193.45
3.72681				
600257.71	4134199.36	3.71275	600253.04	4134205.27
3.69074				

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION
 *** 01/05/16
 *** AERMET - VERSION 15181 *** ***
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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600248.37	4134211.19	3.66983	600243.70	4134217.10	
3.64998					
600220.34	4134246.67	3.56968	600215.66	4134252.58	
3.55771					
600210.99	4134258.50	3.55349	600206.32	4134264.41	
3.56320					
600187.63	4134288.07	3.56357	600182.96	4134293.98	

3.54513				
600178.28	4134299.89	3.52766	600173.61	4134305.81
3.51445				
600168.94	4134311.72	3.51103	600164.27	4134317.63
3.51118				
600150.25	4134335.38	3.51341	600145.58	4134341.29
3.51435				
600140.90	4134347.20	3.50902	600136.23	4134353.12
3.49473				
600131.56	4134359.03	3.48045	600126.89	4134364.95
3.46912				
600122.21	4134370.86	3.45486	600117.54	4134376.77
3.44087				
600112.87	4134382.69	3.43000	600108.20	4134388.60
3.43008				
600103.53	4134394.51	3.43052	600098.85	4134400.43
3.43142				
600094.18	4134406.34	3.43290	600089.51	4134412.26
3.44589				
600084.84	4134418.17	3.46787	600080.16	4134424.08
3.50234				
600075.49	4134430.00	3.53866	600070.82	4134435.91
3.57327				
600066.15	4134441.82	3.59318	600061.47	4134447.74
3.61050				
600291.28	4134072.19	3.39706	600286.61	4134078.11
3.36697				
600281.93	4134084.02	3.33732	600277.26	4134089.93
3.30851				
600253.90	4134119.50	3.18000	600249.23	4134125.42
3.15790				
600216.52	4134166.81	3.03218	600211.85	4134172.73
3.03145				
600207.18	4134178.64	3.03191	600202.50	4134184.55
3.03354				
600197.83	4134190.47	3.03666	600193.16	4134196.38
3.04107				
600188.49	4134202.29	3.03165	600183.81	4134208.21
3.02328				
600179.14	4134214.12	3.01610	600174.47	4134220.04
3.01008				
600169.80	4134225.95	3.00504	600165.12	4134231.86
3.00089				
600160.45	4134237.78	2.99775	600155.78	4134243.69
2.99532				
600151.11	4134249.61	2.99353	600146.43	4134255.52
2.99211				
600141.76	4134261.43	2.99116	600137.09	4134267.35
2.99052				
600132.42	4134273.26	2.99000	600127.74	4134279.17
2.98951				
600123.07	4134285.09	2.98919	600109.06	4134302.83
2.98276				
600104.38	4134308.74	2.97197	600099.71	4134314.66
2.95399				
600095.04	4134320.57	2.93609	600090.37	4134326.48
2.92287				
600085.69	4134332.40	2.91179	600081.02	4134338.31
2.91173				
600076.35	4134344.23	2.92064	600071.68	4134350.14
2.92722				
600067.00	4134356.05	2.93618	600062.33	4134361.97
2.94548				
600057.66	4134367.88	2.95508	600052.99	4134373.79

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2.96263
600048.31 4134379.71 2.98326 600043.64 4134385.62
3.00723
600038.97 4134391.54 3.03532 600034.30 4134397.45
3.06524
600029.62 4134403.36 3.09689 600024.95 4134409.28
3.11788
600020.28 4134415.19 3.12397 600270.68 4134055.92
3.10872
    
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*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600266.01	4134061.83	3.08235	600261.34	4134067.75	
3.05664					
600256.66	4134073.66	3.03156	600233.30	4134103.23	
2.92112					
600228.63	4134109.14	2.90233	600214.61	4134126.88	
2.85227					
600209.94	4134132.80	2.83757	600205.27	4134138.71	
2.82369					
600200.60	4134144.62	2.81062	600195.92	4134150.54	
2.79835					
600191.25	4134156.45	2.78692	600186.58	4134162.37	
2.77637					
600181.91	4134168.28	2.77078	600177.23	4134174.19	
2.77451					
600172.56	4134180.11	2.77960	600167.89	4134186.02	
2.78592					
600163.22	4134191.94	2.79359	600158.54	4134197.85	
2.79778					
600153.87	4134203.76	2.79380	600149.20	4134209.68	
2.79076					
600144.53	4134215.59	2.78844	600139.85	4134221.50	
2.78674					
600135.18	4134227.42	2.78571	600130.51	4134233.33	
2.78506					
600125.84	4134239.25	2.78475	600121.16	4134245.16	
2.78452					
600116.49	4134251.07	2.78448	600111.82	4134256.99	
2.78451					
600107.15	4134262.90	2.78444	600102.48	4134268.81	
2.78426					
600088.46	4134286.56	2.78272	600083.79	4134292.47	
2.76802					
600079.11	4134298.38	2.75764	600074.44	4134304.30	
2.74931					
600069.77	4134310.21	2.74717	600065.10	4134316.12	
2.74682					
600060.42	4134322.04	2.75499	600055.75	4134327.95	

2.76300				
600051.08	4134333.87	2.76865	600046.41	4134339.78
2.77420				
600041.73	4134345.69	2.78437	600037.06	4134351.61
2.79238				
600032.39	4134357.52	2.79818	600027.72	4134363.44
2.80684				
600023.04	4134369.35	2.81591	600018.37	4134375.26
2.82562				
600013.70	4134381.18	2.84390	600009.03	4134387.09
2.86038				
600004.35	4134393.00	2.87203	599999.68	4134398.92
2.88151				
600180.65	4134609.15	10.16739	600178.12	4134600.06
9.73786				
600173.84	4134611.14	9.80408	600167.67	4134623.27
9.81252				
600157.52	4134605.56	8.75201	600159.71	4134594.69
8.51439				
600168.46	4134551.18	7.80726	600153.34	4134617.05
8.90971				
600150.65	4134607.42	8.48222	600152.87	4134596.42
8.23346				
600155.08	4134585.42	7.99390	600163.93	4134541.43
7.27565				
600150.32	4134623.18	8.96071	600143.78	4134609.28
8.23429				
600146.02	4134598.18	7.97537	600148.25	4134587.08
7.72071				
600157.19	4134542.66	6.98997	600147.32	4134638.76
9.29113				
600139.95	4134630.72	8.73526	600132.59	4134622.69
8.18456				
600129.98	4134613.33	7.80779	600132.13	4134602.64
7.56937				
600134.28	4134591.95	7.32579	600136.43	4134581.27
7.10157				
600138.58	4134570.58	6.90720	600145.03	4134538.52
6.36511				
600147.18	4134527.84	6.19674	600141.38	4134651.13
9.35374				
600133.89	4134642.95	8.83200	600126.39	4134634.77
8.28323				

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600118.89	4134626.59	7.76965	600116.24	4134617.06	
7.41167					
600118.43	4134606.19	7.18816	600120.61	4134595.31	

6.95988				
600122.80	4134584.43	6.73440	600124.99	4134573.56
6.52320				
600127.18	4134562.68	6.32135	600133.74	4134530.05
5.81144				
600135.93	4134519.17	5.65801	600131.80	4134659.53
9.07881				
600124.20	4134651.23	8.60831	600116.59	4134642.93
8.12805				
600108.99	4134634.63	7.61582	600102.49	4134620.82
7.05191				
600104.71	4134609.78	6.84733	600106.93	4134598.75
6.63379				
600109.15	4134587.71	6.41748	600111.37	4134576.68
6.19611				
600113.59	4134565.64	5.98098	600115.81	4134554.61
5.78624				
600122.47	4134521.51	5.34883	600124.69	4134510.47
5.23068				
600126.10	4134672.16	9.04276	600118.41	4134663.76
8.59615				
600110.71	4134655.36	8.14195	600103.01	4134646.96
7.66307				
600095.32	4134638.57	7.19053	600088.74	4134624.59
6.69615				
600090.99	4134613.42	6.53680	600093.24	4134602.25
6.33136				
600095.48	4134591.08	6.12883	600097.73	4134579.92
5.92601				
600099.97	4134568.75	5.71959	600102.22	4134557.58
5.52071				
600104.47	4134546.42	5.37681	600111.21	4134512.91
4.98008				
600113.45	4134501.75	4.87811	600199.82	4134741.14
12.20626				
600115.09	4134678.99	8.72240	600107.59	4134670.81
8.28742				
600100.10	4134662.63	7.85482	600092.60	4134654.45
7.41185				
600085.10	4134646.27	6.96769	600077.61	4134638.09
6.60627				
600074.95	4134628.56	6.37774	600077.14	4134617.69
6.25392				
600079.33	4134606.81	6.07566	600081.52	4134595.93
5.89113				
600083.70	4134585.06	5.70577	600085.89	4134574.18
5.52116				
600088.08	4134563.30	5.33862	600090.27	4134552.43
5.18591				
600092.46	4134541.55	5.07637	600094.64	4134530.67
4.96440				
600194.81	4134754.51	11.89203	600113.15	4134695.73
8.89936				
600105.57	4134687.46	8.51295	600098.00	4134679.19
8.09264				
600090.42	4134670.92	7.66741	600082.84	4134662.65
7.23895				
600075.26	4134654.38	6.84097	600067.68	4134646.11
6.46296				
600061.20	4134632.34	6.08763	600063.42	4134621.34
5.97179				
600065.63	4134610.34	5.82287	600067.84	4134599.34
5.64481				
600070.05	4134588.35	5.47084	600072.26	4134577.35

5.30911					
600074.48	4134566.35	5.14826	600076.69	4134555.35	
4.98533					
600078.90	4134544.35	4.88678	600089.96	4134489.36	
4.33710					
600189.79	4134767.89	11.58338	600103.73	4134704.29	
8.64615					
600096.08	4134695.94	8.27962	600088.42	4134687.59	
7.91201					
600080.77	4134679.24	7.51820	600073.12	4134670.89	
7.11834					
600065.47	4134662.54	6.72958	600057.81	4134654.19	
6.36468					

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFault CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600050.16	4134645.84	6.01929	600047.45	4134636.12	
5.81971					
600049.69	4134625.01	5.71123	600051.92	4134613.91	
5.58486					
600054.15	4134602.81	5.42150	600056.39	4134591.70	
5.25778					
600058.62	4134580.60	5.10959	600060.85	4134569.50	
4.97660					
600063.09	4134558.39	4.83658	600078.72	4134480.67	
4.09247					
600174.11	4134777.27	11.05229	600184.78	4134781.27	
11.28093					
600155.71	4134795.65	10.39343	600086.46	4134720.08	
8.21347					
600078.76	4134711.69	7.88289	600071.07	4134703.29	
7.55164					
600063.37	4134694.89	7.22330	600055.68	4134686.50	
6.90203					
600047.98	4134678.10	6.55759	600040.29	4134669.70	
6.21264					
600032.59	4134661.31	5.88931	600024.90	4134652.91	
5.57889					
600022.17	4134643.13	5.37796	600024.42	4134631.97	
5.28274					
600026.66	4134620.80	5.18348	600028.91	4134609.64	
5.05399					
600031.15	4134598.47	4.90450	600042.38	4134542.64	
4.32908					
600044.63	4134531.48	4.22504	600046.88	4134520.31	
4.14595					
600058.10	4134464.49	3.74361	600164.89	4134801.84	
10.55193					
600175.56	4134805.84	10.74235	600146.57	4134820.31	

9.94368					
600139.03	4134812.08	9.84596	600071.17	4134738.03	
7.87969					
600063.63	4134729.81	7.60063	600056.09	4134721.58	
7.30761					
600048.54	4134713.35	7.01557	600041.00	4134705.12	
6.72806					
600033.46	4134696.90	6.44706	600025.92	4134688.67	
6.17402					
600018.38	4134680.44	5.89140	600010.84	4134672.21	
5.60299					
600003.30	4134663.99	5.32892	599996.86	4134650.29	
5.00670					
599999.06	4134639.35	4.90990	600001.26	4134628.41	
4.82492					
600010.07	4134584.64	4.36101	600012.27	4134573.70	
4.26881					
600014.47	4134562.76	4.17649	600016.67	4134551.82	
4.08465					
600018.87	4134540.88	3.99380	600021.07	4134529.94	
3.90439					
600023.27	4134518.99	3.84068	600025.47	4134508.05	
3.78835					
600027.67	4134497.11	3.73930	600038.68	4134442.41	
3.41800					
600155.67	4134826.42	10.06959	600166.34	4134830.42	
10.22667					
600137.33	4134844.86	9.40129	600129.75	4134836.59	
9.33358					
600053.90	4134753.83	7.50629	600046.32	4134745.56	
7.24158					
600038.73	4134737.28	6.97469	600031.15	4134729.01	
6.71882					
600023.57	4134720.73	6.45601	600015.98	4134712.46	
6.19832					
600008.40	4134704.18	5.94743	600000.81	4134695.90	
5.70408					
599993.23	4134687.63	5.46954	599985.64	4134679.35	
5.22338					
599978.06	4134671.08	4.98877	599980.44	4134613.28	
4.33843					
599982.65	4134602.28	4.23252	599984.86	4134591.27	
4.12356					
599987.08	4134580.27	4.02094	599989.29	4134569.26	
3.92996					
599991.50	4134558.26	3.84233	599993.72	4134547.25	
3.76098					

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 *** 01/05/16
 *** AERMET - VERSION 15181 *** **
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

599995.93	4134536.25	3.68072	599998.14	4134525.24
3.60726				
600018.07	4134426.20	3.17612	600146.46	4134851.00
9.49489				
600157.12	4134855.00	9.65271	600128.10	4134869.42
8.87250				
600120.48	4134861.11	8.86647	600112.85	4134852.79
8.82530				
600036.64	4134769.63	7.15108	600029.02	4134761.32
6.91891				
600021.40	4134753.00	6.67499	600013.78	4134744.69
6.43176				
600006.16	4134736.37	6.19109	599998.54	4134728.06
5.96314				
599990.91	4134719.74	5.73185	599983.29	4134711.42
5.50733				
599975.67	4134703.11	5.29007	599968.05	4134694.79
5.08048				
599960.43	4134686.48	4.87893	599950.75	4134642.20
4.29558				
599952.97	4134631.14	4.19087	599955.20	4134620.08
4.08342				
599957.42	4134609.03	4.00266	599959.64	4134597.97
3.92972				
599961.87	4134586.91	3.85610	599964.09	4134575.85
3.74846				
599966.32	4134564.79	3.64539	599968.54	4134553.73
3.55143				
599970.77	4134542.68	3.47926	599972.99	4134531.62
3.40796				
599975.21	4134520.56	3.35313	599997.46	4134409.98
2.92668				
600137.24	4134875.58	8.93033	600147.91	4134879.58
9.05055				
600234.60	4134518.59	10.16640	600240.83	4134506.74
9.99915				
600368.01	4134352.14	10.80838	600360.52	4134362.73
10.77804				
600246.44	4134527.32	11.63804	600253.92	4134517.34
11.71079				
600364.27	4134369.59	11.80454	600373.62	4134358.99
12.07198				
600612.70	4134331.32	35.15771	600644.75	4134278.94
26.40169				
600664.13	4134289.94	25.94374	600632.79	4134344.48
34.27485				
600622.27	4134338.26	34.88249	600627.53	4134305.73
30.98851				
600647.14	4134318.88	30.50230	600619.87	4134318.88
33.31285				
600640.45	4134331.08	32.35756	600629.20	4134325.58
33.07874				
600636.62	4134312.42	30.94088	600636.14	4134292.33
28.55217				
600646.90	4134298.07	28.25676	600656.23	4134303.81
27.98118				
600654.56	4134283.24	26.04015	600589.73	4134278.46
30.26683				
600239.00	4134588.00	15.19715	600255.00	4134594.00
17.03899				
600336.00	4134493.00	25.25299	600461.00	4134590.00
25.59249				
600456.00	4134597.00	24.40041	600489.00	4134621.00

20.72771					
600494.00	4134621.00	20.06435		600498.00	4134619.00
19.85472					
600669.00	4134414.00	25.80257		600672.00	4134406.00
26.56643					
600672.00	4134400.00	27.61359		600668.00	4134391.00
29.63464					
600665.00	4134386.00	30.60322		600593.00	4134329.00
36.55390					
600545.00	4134299.00	34.32864		600514.00	4134275.00
31.03071					
600562.00	4134215.00	26.35393		600586.00	4134173.00
23.09121					
600561.00	4134155.00	17.80539		600496.00	4134236.00
18.43778					
600510.00	4134245.00				
24.90059					

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600272.44 (00052102)	4134683.22	903.93387 (00052102)	600265.29	4134682.89	904.69194
600258.14 (00052102)	4134682.57	900.65946 (00052102)	600274.64	4134690.12	907.98760
600260.95 (00052102)	4134689.50	905.56750 (00052102)	600247.26	4134688.88	897.42198
600291.16 (00052102)	4134700.33	882.19984 (00052102)	600278.23	4134703.89	909.33834
600271.19 (00052102)	4134703.57	910.32937 (00052102)	600264.15	4134703.25	910.04644
600257.11 (00052102)	4134702.93	909.05437 (00052102)	600250.07	4134702.61	906.68763
600243.03 (00052102)	4134702.29	902.82332 (00052102)	600235.99	4134701.97	897.57407
600301.10 (00052102)	4134710.06	854.92629 (00052102)	600295.07	4134714.02	873.98197
600281.85 (00052102)	4134717.65	901.78586 (00052102)	600274.65	4134717.33	906.34089
600267.45 (00052102)	4134717.00	909.44388 (00052102)	600260.25	4134716.67	911.29266
600253.05 (00052102)	4134716.35	911.73610 (00052102)	600245.85	4134716.02	910.65049
600238.65 (00052102)	4134715.69	908.01150 (00052102)	600231.45	4134715.37	903.77155
600224.25 (98042102)	4134715.04	897.93088 (00052102)	600311.24	4134719.66	864.77497
600305.10 (98042102)	4134723.69	872.76754 (98042102)	600298.97	4134727.72	881.05752

600285.50 (00052102)	4134731.42	886.07991 (00052102)	600278.17	4134731.09	894.83524
600270.84 (00052102)	4134730.76	901.73482 (00052102)	600263.50	4134730.42	907.04623
600256.17 (00052102)	4134730.09	910.76952 (00052102)	600248.84	4134729.76	912.68669
600241.50 (00052102)	4134729.43	912.99773 (00052102)	600234.17	4134729.09	911.65264
600226.84 (00052102)	4134728.76	908.49100 (00052102)	600219.51	4134728.43	903.74020
600212.17 (98042102)	4134728.09	897.39213 (00052102)	600321.53	4134729.16	869.42562
600315.30 (98042102)	4134733.25	879.13157 (98042102)	600309.08	4134737.34	888.91056
600302.85 (98042102)	4134741.44	897.31773 (98042102)	600289.17	4134745.19	895.03522
600281.73 (00052102)	4134744.86	878.95127 (98042102)	600274.28	4134744.52	886.18094
600266.83 (00052102)	4134744.18	895.26395 (00052102)	600259.39	4134743.84	902.49654
600251.94 (00052102)	4134743.50	907.85222 (00052102)	600244.50	4134743.17	911.53002
600237.05 (00052102)	4134742.83	913.35672 (00052102)	600229.61	4134742.49	913.34317
600222.16 (00052102)	4134742.15	911.48314 (00052102)	600214.71	4134741.81	908.06566
600207.27 (98042102)	4134741.48	902.63879 (00052102)	600331.95	4134738.57	864.51661
600325.64 (98042102)	4134742.72	873.27994 (98042102)	600319.33	4134746.87	882.53585
600313.02 (98042102)	4134751.01	891.90885 (98042102)	600306.71	4134755.16	902.14085
600292.86 (98042102)	4134758.96	913.81161 (98042102)	600285.32	4134758.62	901.17341
600277.77 (00052102)	4134758.28	885.97923 (98042102)	600270.23	4134757.94	875.34565
600262.69 (00052102)	4134757.60	886.44597 (00052102)	600255.15	4134757.25	895.64803
600247.60 (00052102)	4134756.91	902.87064 (00052102)	600240.06	4134756.57	908.12876
600232.52 (00052102)	4134756.23	911.52301 (00052102)	600224.98	4134755.88	913.04241
600217.43 (00052102)	4134755.54	912.74834 (00052102)	600209.89	4134755.20	910.58915
600202.35 (98042102)	4134754.86	906.51010 (00052102)	600346.05	4134745.57	845.89370
600340.07 (98042102)	4134749.50	854.64665 (98042102)	600334.09	4134753.43	863.52399
600328.11 (98042102)	4134757.36	872.28029 (98042102)	600322.13	4134761.29	880.78156
600316.15 (98042102)	4134765.22	890.83447 (98042102)	600310.17	4134769.15	901.19487

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI		IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
(YYMMDDHH)							
600297.04	4134772.76	919.58465	(98042102)	600289.89	4134772.43	919.27196	
(98042102)							
600282.74	4134772.11	908.58675	(98042102)	600275.59	4134771.78	895.69769	
(98042102)							
600268.44	4134771.46	880.43735	(98042102)	600261.29	4134771.14	870.56784	
(00052102)							
600254.14	4134770.81	881.86579	(00052102)	600246.99	4134770.49	891.24820	
(00052102)							
600239.84	4134770.16	898.91486	(00052102)	600232.69	4134769.84	904.74379	
(00052102)							
600225.54	4134769.51	908.89694	(00052102)	600218.39	4134769.19	911.34690	
(00052102)							
600211.24	4134768.86	912.06118	(00052102)	600204.09	4134768.54	911.12931	
(00052102)							
600196.94	4134768.21	908.49828	(00052102)	600350.40	4134758.97	835.12058	
(98042102)							
600344.34	4134762.95	845.20018	(98042102)	600338.28	4134766.94	854.85617	
(98042102)							
600332.22	4134770.92	866.23700	(98042102)	600326.15	4134774.91	876.94454	
(98042102)							
600320.09	4134778.89	887.69665	(98042102)	600314.03	4134782.87	897.86998	
(98042102)							
600300.72	4134786.53	913.23870	(98042102)	600293.47	4134786.20	918.44092	
(98042102)							
600286.23	4134785.87	922.23858	(98042102)	600278.98	4134785.54	912.99990	
(98042102)							
600271.74	4134785.21	900.89552	(98042102)	600264.49	4134784.88	886.41398	
(98042102)							
600257.24	4134784.56	869.93400	(98042102)	600250.00	4134784.23	869.11679	
(00052102)							
600242.75	4134783.90	880.49728	(00052102)	600235.50	4134783.57	889.95778	
(00052102)							
600228.26	4134783.24	897.62518	(00052102)	600221.01	4134782.91	903.51888	
(00052102)							
600213.76	4134782.58	907.43845	(00052102)	600206.52	4134782.25	909.67083	
(00052102)							
600199.27	4134781.92	910.11993	(00052102)	600192.02	4134781.59	908.61992	
(00052102)							
600307.59	4134811.84	912.84698	(98042102)	600300.25	4134811.51	919.34289	
(98042102)							
600292.92	4134811.17	923.75227	(98042102)	600285.58	4134810.84	927.98298	
(98042102)							
600278.25	4134810.51	922.99698	(98042102)	600270.91	4134810.17	915.33388	
(98042102)							
600263.58	4134809.84	905.15123	(98042102)	600256.24	4134809.51	892.61715	
(98042102)							
600248.91	4134809.17	877.76570	(98042102)	600241.57	4134808.84	860.71530	
(98042102)							
600234.24	4134808.51	855.90537	(00052102)	600226.90	4134808.18	868.67775	
(00052102)							
600219.57	4134807.84	879.42061	(00052102)	600212.23	4134807.51	888.27650	
(00052102)							
600204.90	4134807.18	895.22112	(00052102)	600197.56	4134806.84	900.12102	
(00052102)							
600190.23	4134806.51	903.20311	(00052102)	600182.89	4134806.18	904.34593	
(00052102)							
600292.25	4134836.14	917.12554	(98042102)	600284.84	4134835.80	920.71600	

(98042102)	600277.43	4134835.47	921.26735	(98042102)	600270.03	4134835.13	918.89653
(98042102)	600262.62	4134834.79	913.70052	(98042102)	600255.22	4134834.46	905.79535
(98042102)	600247.81	4134834.12	895.29674	(98042102)	600240.40	4134833.79	882.24527
(98042102)	600233.00	4134833.45	867.02461	(98042102)	600225.59	4134833.11	849.57154
(98042102)	600218.19	4134832.78	841.21127	(00052102)	600210.78	4134832.44	854.99533
(00052102)	600203.37	4134832.10	866.72702	(00052102)	600195.97	4134831.77	876.51452
(00052102)	600188.56	4134831.43	884.38035	(00052102)	600181.15	4134831.10	890.22177
(00052102)	600173.75	4134830.76	894.14030	(00052102)	600269.10	4134860.09	912.65343
(98042102)	600261.64	4134859.75	912.48003	(98042102)	600254.17	4134859.41	909.51573
(98042102)	600246.71	4134859.07	903.81827	(98042102)	600239.24	4134858.73	895.21876
(98042102)	600231.78	4134858.39	884.19165	(98042102)	600224.31	4134858.05	870.62887
(98042102)							

FF *** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600216.85	4134857.71	854.69157	(98042102)	600209.38	4134857.37	836.63945
(98042102)						
600201.92	4134857.04	825.21008	(00052102)	600194.45	4134856.70	839.84621
(00052102)						
600186.99	4134856.36	852.44514	(00052102)	600179.52	4134856.02	863.14493
(00052102)						
600172.05	4134855.68	868.72096	(00052102)	600164.59	4134855.34	869.93050
(00052102)						
600253.11	4134884.36	903.52422	(98042102)	600245.60	4134884.02	902.53026
(98042102)						
600238.08	4134883.67	898.57878	(98042102)	600230.57	4134883.33	892.01041
(98042102)						
600223.06	4134882.99	882.86800	(98042102)	600215.54	4134882.65	871.18767
(98042102)						
600208.03	4134882.31	857.06029	(98042102)	600200.51	4134881.97	839.89462
(98042102)						
600193.00	4134881.63	815.73645	(98042102)	600185.48	4134881.29	797.27670
(00052102)						
600177.97	4134880.94	807.49180	(00052102)	600170.45	4134880.60	815.05975
(00052102)						
600162.94	4134880.26	821.33626	(00052102)	600155.42	4134879.92	825.72881
(00052102)						

600492.93 (00092424)	4134784.82	836.48996 (00101801)	600497.70	4134778.88	846.24984
600502.46 (00092424)	4134772.94	853.46464 (00092424)	600507.23	4134767.00	857.99536
600511.99 (00092424)	4134761.05	861.06204 (00092424)	600516.76	4134755.11	862.22292
600521.52 (99080502)	4134749.17	861.55396 (99080502)	600526.29	4134743.23	876.19773
600531.05 (99080502)	4134737.29	887.47359 (99080502)	600535.82	4134731.35	889.31252
600540.58 (99080502)	4134725.41	887.67569 (99080502)	600545.35	4134719.47	883.78042
600550.11 (99080502)	4134713.53	877.10156 (99080502)	600554.88	4134707.58	868.85217
600559.64 (99080502)	4134701.64	861.80174 (99080502)	600564.41	4134695.70	850.71458
600569.17 (99080502)	4134689.76	835.75474 (99080502)	600573.93	4134683.82	819.34442
600284.82 (98042102)	4134706.44	899.68013 (00052102)	600298.48	4134750.27	908.79511
600322.29 (98042102)	4134768.74	880.69094 (98042102)	600266.30	4134791.75	896.41396
600272.25 (98042102)	4134796.36	909.94361 (98042102)	600278.20	4134800.98	920.24467
600184.73 (00052102)	4134761.67	895.47863 (00052102)	600202.59	4134775.53	910.99934
600226.40 (00052102)	4134794.01	888.42882 (00052102)	600232.35	4134798.63	874.83946
600256.16 (98042102)	4134817.10	898.00145 (98042102)	600262.11	4134821.72	909.39996
600268.06 (00082224)	4134826.34	917.25394 (98042102)	600255.53	4134443.24	727.99769
600250.53 (98051224)	4134450.24	751.09550 (00082224)	600234.17	4134427.98	710.84712
600229.17 (98051224)	4134434.98	711.76049 (98051224)	600212.81	4134412.72	726.87874
600207.81 (98042102)	4134419.72	731.13802 (98051224)	600295.16	4134734.83	895.83791
600288.21 (98042102)	4134723.54	891.23020 (00052102)	600328.43	4134783.98	874.41000
600304.01 (00052102)	4134795.56	907.59946 (98042102)	600241.49	4134693.91	896.32901
600247.51 (98042102)	4134463.15	788.66664 (00082224)	600312.99	4134805.21	902.79888
600188.40 (99091201)	4134609.36	834.67712 (00092001)	600212.56	4134506.02	895.60929
600215.58 (00082224)	4134493.11	848.81414 (00082224)	600218.60	4134480.19	831.11775
600221.62 (00082224)	4134467.27	801.93140 (00082224)	600224.64	4134454.36	763.91565
600292.05 (98042102)	4134822.44	926.19822 (98042102)	600248.80	4134798.45	866.13509
600156.45 (00092001)	4134639.39	808.03001 (00092001)	600159.47	4134626.47	814.06867
600162.49 (99092102)	4134613.55	847.14228 (99092102)	600165.51	4134600.63	886.38897
600177.60 (99091201)	4134548.94	944.10273 (99091201)	600180.62	4134536.02	942.03555

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFault CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600183.64 (99091201)	4134523.10	921.51001 (99091201)	(99091201)	600186.66	4134510.18	868.08101
600189.68 (00082224)	4134497.25	856.16964 (00082224)	(00082224)	600192.70	4134484.33	840.12488
600195.73 (00082224)	4134471.41	812.23066 (00082224)	(00082224)	600198.75	4134458.49	774.81564
600201.77 (98051224)	4134445.57	730.38300 (00082224)	(00082224)	600204.79	4134432.64	728.95087
600276.61 (00092424)	4134843.66	918.44127 (98042102)	(98042102)	600494.00	4134792.43	836.02992
600484.25 (00092424)	4134805.17	824.17808 (99101923)	(99101923)	600494.00	4134806.71	833.32778
600484.29 (00092424)	4134819.47	818.81951 (99101923)	(99101923)	600494.00	4134821.00	832.14183
600534.66 (99080502)	4134711.40	868.87208 (99080502)	(99080502)	600542.72	4134708.44	869.22123
600528.07 (99080502)	4134727.24	877.61574 (99080502)	(99080502)	600547.39	4134736.97	909.74972
600539.18 (00092424)	4134738.91	899.08227 (99080502)	(99080502)	600514.54	4134744.72	866.35255
600555.50 (99080502)	4134734.00	912.47321 (99080502)	(99080502)	600553.63	4134749.78	910.79902
600545.11 (99080502)	4134751.79	901.54870 (99080502)	(99080502)	600536.59	4134753.80	888.42733
600528.07 (99080502)	4134755.81	871.63509 (99080502)	(99080502)	600561.89	4134746.78	907.28462
600560.14 (99080502)	4134762.53	910.21857 (99080502)	(99080502)	600551.87	4134764.48	903.36994
600543.61 (99080502)	4134766.43	893.04057 (99080502)	(99080502)	600535.34	4134768.38	880.04077
600527.07 (00092424)	4134770.34	862.39876 (99080502)	(99080502)	600518.80	4134772.29	857.97962
600510.54 (99080502)	4134774.24	858.35760 (00092424)	(00092424)	600568.28	4134759.55	900.49918
600566.41 (99080502)	4134775.34	908.89951 (99080502)	(99080502)	600557.89	4134777.35	916.48035
600549.37 (99080502)	4134779.36	908.37549 (99080502)	(99080502)	600540.85	4134781.37	895.62714
600532.33 (00092424)	4134783.38	877.73445 (99080502)	(99080502)	600523.81	4134785.39	858.12813
600515.30 (00092424)	4134787.40	859.51392 (00092424)	(00092424)	600506.78	4134789.41	854.98634
600574.67 (99080502)	4134772.33	890.04209 (99080502)	(99080502)	600572.90	4134788.09	897.53612
600564.60 (99080502)	4134790.05	913.97735 (99080502)	(99080502)	600556.29	4134792.01	926.49551
600547.99 (99080502)	4134793.97	915.55796 (99080502)	(99080502)	600539.68	4134795.93	899.84890
600531.37 (00092424)	4134797.89	878.03483 (99080502)	(99080502)	600523.07	4134799.85	861.14343
600514.76	4134801.81	860.19760 (00092424)	(00092424)	600506.46	4134803.77	853.90074

(00092424)							
600581.05	4134785.11	876.79205	(99080502)	600579.18	4134800.89	885.95151	
(99080502)							
600570.67	4134802.90	904.93944	(99080502)	600562.15	4134804.91	918.98829	
(99080502)							
600553.63	4134806.92	926.39576	(99080502)	600545.11	4134808.93	909.83811	
(99080502)							
600536.59	4134810.95	888.59676	(99080502)	600528.07	4134812.96	863.78764	
(99080502)							
600519.56	4134814.97	861.44871	(00092424)	600511.04	4134816.98	857.90299	
(00092424)							
600502.52	4134818.99	848.21303	(00092424)	600587.44	4134797.89	862.85105	
(99080502)							
600590.97	4134824.36	862.19180	(99080502)	600582.53	4134826.35	884.55233	
(99080502)							
600574.10	4134828.34	902.27187	(99080502)	600565.67	4134830.33	914.93926	
(99080502)							
600557.24	4134832.32	922.81294	(99080502)	600548.81	4134834.31	914.66830	
(99080502)							
600540.38	4134836.30	894.96711	(99080502)	600531.94	4134838.29	871.11708	
(99080502)							
600523.51	4134840.28	867.18225	(00092424)	600515.08	4134842.27	867.28100	
(00092424)							
600506.65	4134844.26	861.68794	(00092424)	600599.18	4134821.36	848.99064	
(99081523)							
600602.58	4134847.87	848.63722	(99081523)	600593.89	4134849.92	859.80762	
(99080502)							
600585.21	4134851.97	881.70568	(99080502)	600576.52	4134854.02	898.67642	
(99080502)							

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*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600567.83	4134856.07	910.41772	(99080502)	600559.15	4134858.12	916.39109
(99080502)						
600550.46	4134860.17	916.06898	(99080502)	600541.77	4134862.22	902.73642
(99080502)						
600533.09	4134864.27	882.01789	(99080502)	600610.92	4134844.84	847.67811
(99081523)						
600614.36	4134871.34	847.31363	(99081523)	600605.76	4134873.37	846.04849
(99081523)						
600597.17	4134875.40	855.31382	(99080502)	600588.57	4134877.42	876.05520
(99080502)						
600579.97	4134879.45	892.04304	(99080502)	600571.38	4134881.48	902.81939
(99080502)						
600562.78	4134883.51	908.04569	(99080502)	600554.18	4134885.54	906.81243
(99080502)						
600622.66	4134868.32	843.68895	(99081523)	600626.14	4134894.81	843.00312
(99081523)						

600617.61 (99081523)	4134896.82	844.62515 (99081523)	600609.09	4134898.83	841.28428
600600.56 (99080502)	4134900.84	849.17041 (99080502)	600592.04	4134902.86	868.81409
600583.51 (99080502)	4134904.87	883.78399 (99080502)	600574.99	4134906.88	893.55514
600634.40 (99080502)	4134891.80	837.30204 (99081523)	600572.59	4134652.25	823.09015
600573.32 (99080502)	4134662.52	817.96036 (99080502)	600578.07	4134656.82	806.18745
600582.82 (99080502)	4134651.13	790.91270 (99080502)	600587.57	4134645.43	769.44624
600592.32 (99081523)	4134639.74	753.95386 (99081523)	600597.07	4134634.04	740.68341
600601.82 (99081523)	4134628.35	724.67479 (99081523)	600606.57	4134622.65	708.13507
600611.32 (00062101)	4134616.96	690.64869 (99081523)	600616.07	4134611.27	684.66506
600620.82 (00062101)	4134605.57	682.56383 (00062101)	600625.57	4134599.88	678.81107
600630.32 (00062101)	4134594.18	673.16945 (00062101)	600635.07	4134588.49	666.76570
600639.82 (99080502)	4134582.79	658.88924 (00062101)	600564.34	4134682.41	836.82746
600554.42 (99080502)	4134690.27	859.93589 (99080502)	600574.06	4134672.79	812.04342
600578.81 (99080502)	4134667.09	801.26891 (99080502)	600583.56	4134661.40	787.29608
600588.31 (99080502)	4134655.70	770.45628 (99080502)	600593.06	4134650.01	749.96910
600597.81 (99081523)	4134644.31	742.40197 (99081523)	600602.56	4134638.62	736.27194
600607.31 (99081523)	4134632.92	722.94084 (99081523)	600612.06	4134627.23	705.17347
600616.81 (00062101)	4134621.54	696.16598 (00062101)	600621.56	4134615.84	693.65710
600626.31 (00062101)	4134610.15	689.47777 (00062101)	600631.06	4134604.45	684.04294
600635.81 (00062101)	4134598.76	677.96487 (00062101)	600640.56	4134593.06	670.71142
600645.31 (00062101)	4134587.37	662.42242 (00062101)	600650.06	4134581.67	651.82829
600654.81 (00062101)	4134575.98	638.76832 (00062101)	600659.56	4134570.29	623.34176
600664.31 (00062101)	4134564.59	605.98978 (00062101)	600669.06	4134558.90	586.58423
600673.81 (00062101)	4134553.20	564.25983 (00062101)	600678.56	4134547.51	538.99257
600683.31 (00062101)	4134541.81	510.87886 (00062101)	600688.06	4134536.12	479.84149
600692.81 (00062101)	4134530.42	446.32372 (00062101)	600697.56	4134524.73	410.71701
600702.31 (00090202)	4134519.04	372.70537 (00062101)	600707.06	4134513.34	343.03646
600711.81 (00092301)	4134507.65	324.65929 (00092301)	600716.56	4134501.95	328.13511
600721.31 (99080502)	4134496.26	333.75536 (00060723)	600579.54	4134677.36	798.65570
600584.29 (99080502)	4134671.67	785.12217 (99080502)	600589.04	4134665.97	769.26861
600593.79 (99081523)	4134660.28	751.88914 (99081523)	600598.54	4134654.58	743.63538
600603.29 (99081523)	4134648.89	733.90750 (99081523)	600608.04	4134643.19	724.07415

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600612.79 (00062101)	4134637.50	712.75793 (99081523)		600617.54	4134631.81	705.14736
600622.29 (00062101)	4134626.11	703.26733 (00062101)		600627.04	4134620.42	700.04579
600631.79 (00062101)	4134614.72	694.49815 (00062101)		600636.54	4134609.03	688.39712
600641.29 (00062101)	4134603.33	681.53080 (00062101)		600646.04	4134597.64	673.70201
600650.79 (00062101)	4134591.94	664.43373 (00062101)		600655.54	4134586.25	653.32206
600660.29 (00062101)	4134580.56	638.64582 (00062101)		600665.04	4134574.86	621.99456
600669.79 (00062101)	4134569.17	603.41963 (00062101)		600674.54	4134563.47	582.69281
600679.29 (00062101)	4134557.78	559.71343 (00062101)		600684.04	4134552.08	533.28265
600688.79 (00062101)	4134546.39	503.29376 (00062101)		600693.54	4134540.69	471.03644
600698.29 (00062101)	4134535.00	436.46656 (00062101)		600703.04	4134529.31	400.15044
600707.79 (00090202)	4134523.61	361.81857 (00062101)		600712.54	4134517.92	332.65709
600717.29 (00092301)	4134512.22	324.11739 (00092301)		600722.04	4134506.53	327.84132
600726.79 (00060723)	4134500.83	330.99376 (00092301)		600731.54	4134495.14	336.00314
600736.29 (99100823)	4134489.44	344.57859 (99100823)		600741.04	4134483.75	354.56981
600745.79 (99080502)	4134478.06	363.93217 (99100823)		600580.53	4134696.35	818.20568
600570.05 (99080502)	4134704.64	850.96457 (99080502)		600559.58	4134712.93	876.48149
600590.51 (99081523)	4134686.51	778.64846 (99080502)		600595.26	4134680.82	760.51967
600600.01 (99081523)	4134675.12	749.10542 (99081523)		600604.76	4134669.43	739.91617
600609.51 (99081523)	4134663.73	729.23836 (99081523)		600614.26	4134658.04	716.99906
600619.01 (00062101)	4134652.34	703.17761 (00062101)		600623.76	4134646.65	704.95792
600628.51 (00062101)	4134640.96	707.35245 (00062101)		600633.26	4134635.26	708.62510
600638.01 (00062101)	4134629.57	707.63010 (00062101)		600642.76	4134623.87	701.10449
600647.51	4134618.18	693.82029 (00062101)		600652.26	4134612.48	685.33650

(00062101)	600657.01	4134606.79	675.43441	(00062101)	600661.76	4134601.09	663.70165
(00062101)	600666.51	4134595.40	649.93984	(00062101)	600671.26	4134589.71	633.99709
(00062101)	600676.01	4134584.01	615.64210	(00062101)	600680.76	4134578.32	594.79232
(00062101)	600685.51	4134572.62	571.09997	(00062101)	600690.26	4134566.93	544.74248
(00062101)	600695.01	4134561.23	515.88058	(00062101)	600699.76	4134555.54	484.79586
(00062101)	600704.51	4134549.84	450.52676	(00062101)	600709.26	4134544.15	414.64061
(00062101)	600714.01	4134538.46	376.99571	(00062101)	600718.76	4134532.76	341.63445
(00090202)	600723.51	4134527.07	320.45749	(98092724)	600728.26	4134521.37	322.66456
(00092301)	600733.01	4134515.68	327.06619	(00092301)	600737.76	4134509.98	330.83251
(00092301)	600742.51	4134504.29	333.95284	(00092301)	600747.26	4134498.59	336.82177
(00092301)	600752.01	4134492.90	340.42591	(00060723)	600756.76	4134487.21	351.36002
(99100823)	600591.58	4134705.44	799.92559	(99080502)	600581.27	4134713.60	839.41691
(99080502)	600570.96	4134721.76	877.07668	(99080502)	600601.48	4134695.66	770.40205
(99081523)	600606.23	4134689.97	756.77172	(99081523)	600610.98	4134684.27	741.57784
(99081523)	600615.73	4134678.58	725.21050	(99081523)	600620.48	4134672.88	710.18166
(99081523)	600625.23	4134667.19	707.64390	(00062101)	600629.98	4134661.50	711.71951
(00062101)	600634.73	4134655.80	715.15751	(00062101)	600639.48	4134650.11	716.99901
(00062101)							

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**MODELOPTs: RegDFault CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600644.23 (00062101)	4134644.41	716.86186 (00062101)	600648.98	4134638.72	711.25044
600653.73 (00062101)	4134633.02	703.61430 (00062101)	600658.48	4134627.33	695.23326
600663.23 (00062101)	4134621.63	685.20183 (00062101)	600667.98	4134615.94	673.38904
600672.73 (00062101)	4134610.25	659.58973 (00062101)	600677.48	4134604.55	643.63674
600682.23 (00062101)	4134598.86	625.37577 (00062101)	600686.98	4134593.16	603.88711

600691.73 (00062101)	4134587.47	579.94163 (00062101)	600696.48	4134581.77	553.60672
600701.23 (00062101)	4134576.08	525.09404 (00062101)	600705.98	4134570.38	494.36037
600710.73 (00062101)	4134564.69	461.75602 (00062101)	600715.48	4134559.00	427.18213
600720.23 (00062101)	4134553.30	390.41117 (00062101)	600724.98	4134547.61	352.23797
600729.73 (98092724)	4134541.91	326.69147 (00090202)	600734.48	4134536.22	325.19077
600739.23 (98092724)	4134530.52	326.06836 (98092724)	600743.98	4134524.83	326.93081
600748.73 (00092301)	4134519.13	330.31199 (00092301)	600753.48	4134513.44	334.45495
600758.23 (00092301)	4134507.75	337.98463 (00092301)	600762.98	4134502.05	340.87254
600767.73 (99081523)	4134496.36	343.13547 (00092301)	600601.98	4134715.04	795.27571
600596.25 (99080502)	4134719.57	808.30379 (99081523)	600590.52	4134724.11	818.74947
600584.79 (99080502)	4134728.64	840.02675 (99080502)	600579.07	4134733.17	859.22412
600573.34 (99080502)	4134737.71	876.59750 (99080502)	600567.61	4134742.24	892.72568
600607.70 (99081523)	4134710.51	780.77736 (99081523)	600612.45	4134704.81	765.64141
600617.20 (99081523)	4134699.12	748.88378 (99081523)	600621.95	4134693.42	730.95987
600626.70 (00062101)	4134687.73	719.82330 (00062101)	600631.45	4134682.04	720.64425
600636.20 (00062101)	4134676.34	721.42669 (00062101)	600640.95	4134670.65	725.68882
600645.70 (00062101)	4134664.95	728.36181 (00062101)	600650.45	4134659.26	726.71219
600655.20 (00062101)	4134653.56	720.05487 (00062101)	600659.95	4134647.87	712.93607
600664.70 (00062101)	4134642.17	704.41106 (00062101)	600669.45	4134636.48	694.27825
600674.20 (00062101)	4134630.79	682.40230 (00062101)	600678.95	4134625.09	668.56343
600683.70 (00062101)	4134619.40	652.65247 (00062101)	600688.45	4134613.70	633.55765
600693.20 (00062101)	4134608.01	612.20794 (00062101)	600697.95	4134602.31	588.45606
600702.70 (00062101)	4134596.62	562.30189 (00062101)	600707.45	4134590.92	533.87901
600712.20 (00062101)	4134585.23	503.14174 (00062101)	600716.95	4134579.54	471.25224
600721.70 (00062101)	4134573.84	437.42901 (00062101)	600726.45	4134568.15	401.86337
600731.20 (00090202)	4134562.45	365.20460 (00062101)	600735.95	4134556.76	336.88548
600740.70 (98092724)	4134551.06	328.02026 (98092724)	600745.45	4134545.37	329.74795
600750.20 (98092724)	4134539.67	331.70102 (98092724)	600754.95	4134533.98	333.50975
600759.70 (98092724)	4134528.29	335.22014 (98092724)	600764.45	4134522.59	336.25303
600769.20 (00092301)	4134516.90	339.03538 (00092301)	600773.95	4134511.20	342.40956
600778.70 (99081523)	4134505.51	344.94824 (00092301)	600613.07	4134724.09	791.26176
600607.47 (99081523)	4134728.52	806.85320 (99081523)	600601.87	4134732.96	817.48753

600596.27	4134737.39	825.49833	(99081523)	600590.67	4134741.82	832.60853
(99081523)						
600585.08	4134746.25	848.69826	(99080502)	600579.48	4134750.69	867.81048
(99080502)						
600573.88	4134755.12	885.04320	(99080502)	600618.67	4134719.66	774.88933
(99081523)						

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
(YYMMDDHH)						
600623.42	4134713.96	756.55162	(99081523)	600628.17	4134708.27	741.07817
(00062101)						
600632.92	4134702.57	740.63180	(00062101)	600637.67	4134696.88	740.61975
(00062101)						
600642.42	4134691.19	741.17558	(00062101)	600647.17	4134685.49	742.37450
(00062101)						
600651.92	4134679.80	740.21428	(00062101)	600656.67	4134674.10	734.77213
(00062101)						
600661.42	4134668.41	728.82150	(00062101)	600666.17	4134662.71	721.56559
(00062101)						
600670.92	4134657.02	712.90934	(00062101)	600675.67	4134651.32	702.68883
(00062101)						
600680.42	4134645.63	690.75192	(00062101)	600685.17	4134639.94	676.56411
(00062101)						
600689.92	4134634.24	659.87159	(00062101)	600694.67	4134628.55	641.19185
(00062101)						
600699.42	4134622.85	620.14154	(00062101)	600704.17	4134617.16	596.80378
(00062101)						
600708.92	4134611.46	571.09348	(00062101)	600713.67	4134605.77	543.12595
(00062101)						
600718.42	4134600.07	513.17415	(00062101)	600723.17	4134594.38	481.34975
(00062101)						
600727.92	4134588.69	447.80637	(00062101)	600732.67	4134582.99	412.84608
(00062101)						
600737.42	4134577.30	376.93377	(00062101)	600742.17	4134571.60	350.15133
(00090202)						
600746.92	4134565.91	331.21051	(98092724)	600751.67	4134560.21	333.36792
(98092724)						
600756.42	4134554.52	335.42146	(98092724)	600761.17	4134548.82	337.91445
(98092724)						
600765.92	4134543.13	340.18449	(98092724)	600770.67	4134537.44	342.29833
(98092724)						
600775.42	4134531.74	343.82755	(98092724)	600780.17	4134526.05	344.25495
(98092724)						
600784.92	4134520.35	343.39783	(98092724)	600789.67	4134514.66	346.16518
(00092301)						
600624.14	4134733.16	780.48032	(99081523)	600618.65	4134737.51	794.48587
(99081523)						
600613.15	4134741.87	807.17777	(99081523)	600607.65	4134746.22	818.14647

(99081523)	600602.15	4134750.57	827.41699	(99081523)	600596.66	4134754.92	834.88045
(99081523)	600591.16	4134759.27	840.80067	(99081523)	600585.66	4134763.63	856.38923
(99080502)	600580.16	4134767.98	874.45113	(99080502)	600629.64	4134728.81	763.67756
(99081523)	600634.39	4134723.11	757.79115	(00062101)	600639.14	4134717.42	757.78436
(00062101)	600643.89	4134711.73	757.28030	(00062101)	600648.64	4134706.03	755.84347
(00062101)	600653.39	4134700.34	751.94307	(00062101)	600658.14	4134694.64	747.49235
(00062101)	600662.89	4134688.95	742.30578	(00062101)	600667.64	4134683.25	736.39173
(00062101)	600672.39	4134677.56	729.36396	(00062101)	600677.14	4134671.86	720.75989
(00062101)	600681.89	4134666.17	710.46830	(00062101)	600686.64	4134660.48	698.01104
(00062101)	600691.39	4134654.78	683.40806	(00062101)	600696.14	4134649.09	666.91356
(00062101)	600700.89	4134643.39	648.34342	(00062101)	600705.64	4134637.70	627.61228
(00062101)	600710.39	4134632.00	604.75959	(00062101)	600715.14	4134626.31	579.54179
(00062101)	600719.89	4134620.61	552.07621	(00062101)	600724.64	4134614.92	522.59718
(00062101)	600729.39	4134609.23	491.23183	(00062101)	600734.14	4134603.53	458.27376
(00062101)	600738.89	4134597.84	423.89576	(00062101)	600743.64	4134592.14	391.70157
(98102523)	600748.39	4134586.45	367.74607	(98102523)	600753.14	4134580.75	343.40169
(98102523)	600757.89	4134575.06	337.71963	(98092724)	600762.64	4134569.36	340.52660
(98092724)	600767.39	4134563.67	342.75416	(98092724)	600772.14	4134557.98	344.49808
(98092724)	600776.89	4134552.28	346.83343	(98092724)	600781.64	4134546.59	348.64881
(98092724)	600786.39	4134540.89	349.95316	(98092724)	600791.14	4134535.20	350.53875
(98092724)							

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600795.89	4134529.50	350.43645	(98092724)	600800.64	4134523.81	349.66050
(98092724)						
600635.20	4134742.25	759.58211	(00062101)	600624.37	4134750.82	793.16121
(99081523)						

600618.95 (99081523)	4134755.10	806.64161 (99081523)	(99081523)	600613.54	4134759.39	818.17382
600608.13 (99081523)	4134763.68	828.04012 (99081523)	(99081523)	600602.71	4134767.96	835.53949
600591.88 (00062101)	4134776.54	843.94370 (99081523)	(99081523)	600640.61	4134737.96	760.64257
600645.36 (00062101)	4134732.27	760.73069 (00062101)	(00062101)	600650.11	4134726.57	760.02280
600654.86 (00062101)	4134720.88	758.49653 (00062101)	(00062101)	600659.61	4134715.18	756.29636
600664.36 (00062101)	4134709.49	753.18486 (00062101)	(00062101)	600669.11	4134703.79	748.37935
600673.86 (00062101)	4134698.10	742.18525 (00062101)	(00062101)	600678.61	4134692.40	734.86315
600683.36 (00062101)	4134686.71	726.59183 (00062101)	(00062101)	600688.11	4134681.02	716.37504
600692.86 (00062101)	4134675.32	704.23974 (00062101)	(00062101)	600697.61	4134669.63	689.92926
600702.36 (00062101)	4134663.93	673.58138 (00062101)	(00062101)	600707.11	4134658.24	655.26856
600711.86 (00062101)	4134652.54	634.84167 (00062101)	(00062101)	600716.61	4134646.85	612.27143
600721.36 (00062101)	4134641.15	587.50916 (00062101)	(00062101)	600726.11	4134635.46	560.68816
600730.86 (00062101)	4134629.77	531.75224 (00062101)	(00062101)	600735.61	4134624.07	500.83201
600740.36 (00062101)	4134618.38	468.25334 (00062101)	(00062101)	600745.11	4134612.68	434.38629
600749.86 (98102523)	4134606.99	410.34750 (98102523)	(98102523)	600754.61	4134601.29	386.71095
600759.36 (00101120)	4134595.60	362.75835 (98102523)	(98102523)	600764.11	4134589.90	348.19009
600768.86 (98092724)	4134584.21	345.05906 (00101120)	(00101120)	600773.61	4134578.52	347.77433
600778.36 (98092724)	4134572.82	349.81338 (98092724)	(98092724)	600783.11	4134567.13	352.09445
600787.86 (98092724)	4134561.43	354.18301 (98092724)	(98092724)	600792.61	4134555.74	356.46929
600797.36 (98092724)	4134550.04	357.83957 (98092724)	(98092724)	600802.11	4134544.35	358.34637
600806.86 (98092724)	4134538.65	357.75949 (98092724)	(98092724)	600811.61	4134532.96	356.69431
600646.24 (99081523)	4134751.34	764.99761 (00062101)	(00062101)	600635.55	4134759.80	773.11757
600624.86 (99081523)	4134768.27	803.50577 (99081523)	(99081523)	600614.17	4134776.73	823.23060
600603.48 (00062101)	4134785.19	837.65000 (99081523)	(99081523)	600656.33	4134741.42	764.77111
600661.08 (00062101)	4134735.72	762.86644 (00062101)	(00062101)	600665.83	4134730.03	760.34857
600670.58 (00062101)	4134724.33	756.85938 (00062101)	(00062101)	600675.33	4134718.64	752.28430
600680.08 (00062101)	4134712.94	746.61251 (00062101)	(00062101)	600684.83	4134707.25	739.63577
600689.58 (00062101)	4134701.55	730.97958 (00062101)	(00062101)	600694.33	4134695.86	720.71808
600699.08 (00062101)	4134690.17	708.80820 (00062101)	(00062101)	600703.83	4134684.47	695.15101
600708.58 (00062101)	4134678.78	679.62879 (00062101)	(00062101)	600713.33	4134673.08	661.82411
600718.08 (00062101)	4134667.39	641.71389 (00062101)	(00062101)	600722.83	4134661.69	619.50292
600727.58 (00062101)	4134656.00	595.21639 (00062101)	(00062101)	600732.33	4134650.30	568.84264

600737.08 (00062101)	4134644.61	540.49305	(00062101)	600741.83	4134638.92	510.32379
600746.58 (00062101)	4134633.22	478.48772	(00062101)	600751.33	4134627.53	445.22016
600756.08 (98102523)	4134621.83	425.47953	(98102523)	600760.83	4134616.14	405.88641
600765.58 (00101120)	4134610.44	382.30522	(98102523)	600770.33	4134604.75	361.29848
600775.08 (00101120)	4134599.05	358.25669	(00101120)	600779.83	4134593.36	352.85557
600784.58 (98092724)	4134587.67	351.62590	(98092724)	600789.33	4134581.97	354.61116

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFault CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600794.08 (98092724)	4134576.28	357.54371	(98092724)	600798.83	4134570.58	360.20081
600803.58 (98092724)	4134564.89	363.34451	(98092724)	600808.33	4134559.19	365.11419
600813.08 (98092724)	4134553.50	365.53555	(98092724)	600817.83	4134547.80	364.71436
600822.58 (00062101)	4134542.11	363.68665	(98092724)	600666.16	4134768.34	774.15739
600660.58 (00062101)	4134772.76	772.83227	(00062101)	600655.00	4134777.18	769.83360
600649.41 (00101523)	4134781.60	779.77359	(00101523)	600643.83	4134786.02	793.89307
600638.25 (00101523)	4134790.44	806.19939	(00101523)	600632.67	4134794.85	816.70549
600627.09 (00101523)	4134799.27	825.18872	(00101523)	600621.51	4134803.69	831.62395
600615.93 (99081523)	4134808.11	835.88737	(00101523)	600610.34	4134812.53	841.42134
600604.76 (00062101)	4134816.95	846.26904	(99081523)	600671.74	4134763.93	773.78342
600676.49 (00062101)	4134758.23	771.48342	(00062101)	600681.24	4134752.54	767.92192
600685.99 (00062101)	4134746.84	763.11726	(00062101)	600690.74	4134741.15	757.11348
600695.49 (00062101)	4134735.45	749.65643	(00062101)	600700.24	4134729.76	741.18844
600704.99 (00062101)	4134724.06	731.13160	(00062101)	600709.74	4134718.37	719.59934
600714.49 (00062101)	4134712.68	706.48295	(00062101)	600719.24	4134706.98	691.76295
600723.99 (00062101)	4134701.29	675.02018	(00062101)	600728.74	4134695.59	656.17573
600733.49	4134689.90	635.26437	(00062101)	600738.24	4134684.20	612.24967

(00062101)	600742.99	4134678.51	587.17472	(00062101)	600747.74	4134672.81	560.32437
(00062101)	600752.49	4134667.12	531.71344	(00062101)	600757.24	4134661.43	501.45702
(00062101)	600761.99	4134655.73	469.72113	(00062101)	600766.74	4134650.04	436.86717
(00062101)	600771.49	4134644.34	415.98612	(98102523)	600776.24	4134638.65	397.21803
(98102523)	600780.99	4134632.95	377.65479	(98102523)	600785.74	4134627.26	372.52153
(00101120)	600790.49	4134621.56	372.86346	(00101120)	600795.24	4134615.87	371.84300
(00101120)	600799.99	4134610.18	365.08233	(00101120)	600804.74	4134604.48	356.62841
(00101120)	600809.49	4134598.79	359.50438	(98092724)	600814.24	4134593.09	362.12196
(98092724)	600818.99	4134587.40	364.62246	(98092724)	600823.74	4134581.70	367.79155
(98092724)	600828.49	4134576.01	370.40588	(98092724)	600833.24	4134570.31	372.54038
(98092724)	600837.99	4134564.62	374.28737	(98092724)	600842.74	4134558.93	375.64669
(98092724)	600686.11	4134785.32	779.04108	(00062101)	600680.33	4134789.90	779.74581
(00062101)	600674.55	4134794.48	778.72513	(00062101)	600668.76	4134799.05	774.89826
(00062101)	600662.98	4134803.63	770.85457	(00062101)	600657.19	4134808.21	772.45239
(00101523)	600651.41	4134812.79	786.72750	(00101523)	600645.63	4134817.37	799.02614
(00101523)	600639.84	4134821.95	809.26984	(00101523)	600634.06	4134826.53	817.86621
(99081523)	600628.27	4134831.11	828.91364	(99081523)	600622.49	4134835.69	837.69921
(99081523)	600616.71	4134840.26	843.94753	(99081523)	600691.90	4134780.74	776.69272
(00062101)	600696.65	4134775.05	772.67900	(00062101)	600701.40	4134769.35	767.31184
(00062101)	600706.15	4134763.66	760.35999	(00062101)	600710.90	4134757.96	751.92065
(00062101)	600715.65	4134752.27	742.04933	(00062101)	600720.40	4134746.57	730.73892
(00062101)	600725.15	4134740.88	717.81069	(00062101)	600729.90	4134735.18	703.30595
(00062101)	600734.65	4134729.49	687.27358	(00062101)	600739.40	4134723.80	669.42688
(00062101)							

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 *** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600744.15	4134718.10	649.42657	(00062101)	600748.90	4134712.41	627.59097
(00062101)						
600753.65	4134706.71	603.87269	(00062101)	600758.40	4134701.02	578.23154
(00062101)						
600763.15	4134695.32	550.86779	(00062101)	600767.90	4134689.63	521.98339
(00062101)						
600772.65	4134683.93	491.71193	(00062101)	600777.40	4134678.24	460.34491
(00062101)						
600782.15	4134672.55	429.90017	(98102523)	600786.90	4134666.85	409.53915
(98102523)						
600791.65	4134661.16	388.81470	(98102523)	600796.40	4134655.46	375.43141
(00101120)						
600801.15	4134649.77	374.36778	(00101120)	600805.90	4134644.07	373.39136
(00101120)						
600810.65	4134638.38	372.30683	(00101120)	600815.40	4134632.68	369.42211
(00101120)						
600820.15	4134626.99	364.47118	(00101120)	600824.90	4134621.30	360.82307
(99082123)						
600829.65	4134615.60	359.75049	(99082123)	600834.40	4134609.91	359.87485
(98092724)						
600839.15	4134604.21	365.10929	(98092724)	600843.90	4134598.52	369.53401
(98092724)						
600848.65	4134592.82	373.21971	(98092724)	600853.40	4134587.13	376.28819
(98092724)						
600858.15	4134581.43	378.85844	(98092724)	600862.90	4134575.74	380.90663
(98092724)						
600706.47	4134801.98	779.77589	(00062101)	600700.88	4134806.40	782.88286
(00062101)						
600695.29	4134810.82	784.33237	(00062101)	600689.71	4134815.25	784.09635
(00062101)						
600684.12	4134819.67	781.99392	(00062101)	600678.53	4134824.09	777.95288
(00062101)						
600672.95	4134828.51	771.73366	(00062101)	600667.36	4134832.94	763.13340
(00062101)						
600661.77	4134837.36	771.33355	(00101523)	600656.18	4134841.78	783.64945
(00101523)						
600650.60	4134846.21	795.61118	(99081523)	600645.01	4134850.63	809.40062
(99081523)						
600639.42	4134855.05	821.23164	(99081523)	600633.84	4134859.48	830.94062
(99081523)						
600628.25	4134863.90	838.47095	(99081523)	600712.06	4134797.55	773.35077
(00062101)						
600716.81	4134791.86	768.74820	(00062101)	600721.56	4134786.17	760.99342
(00062101)						
600726.31	4134780.47	751.70409	(00062101)	600731.06	4134774.78	740.92062
(00062101)						
600735.81	4134769.08	728.59389	(00062101)	600740.56	4134763.39	714.61086
(00062101)						
600745.31	4134757.69	698.83991	(00062101)	600750.06	4134752.00	681.38542
(00062101)						
600754.81	4134746.30	662.15199	(00062101)	600759.56	4134740.61	641.16763
(00062101)						
600764.31	4134734.92	618.46534	(00062101)	600769.06	4134729.22	594.11396
(00062101)						
600773.81	4134723.53	568.12788	(00062101)	600778.56	4134717.83	540.73174
(00062101)						
600783.31	4134712.14	511.72570	(00062101)	600788.06	4134706.44	481.61230
(00062101)						
600792.81	4134700.75	450.56589	(00062101)	600797.56	4134695.05	424.48839
(98102523)						
600802.31	4134689.36	403.59006	(98102523)	600807.06	4134683.67	382.89312
(00101120)						

600811.81 (00101120)	4134677.97	380.26650	(00101120)	600816.56	4134672.28	378.39092
600821.31 (00101120)	4134666.58	376.67552	(00101120)	600826.06	4134660.89	375.24364
600830.81 (00101120)	4134655.19	373.22323	(00101120)	600835.56	4134649.50	370.68924
600840.31 (99082123)	4134643.80	366.04604	(00101120)	600845.06	4134638.11	365.66825
600849.81 (99082123)	4134632.42	366.10748	(99082123)	600854.56	4134626.72	366.36199
600859.31 (98092724)	4134621.03	366.40454	(99082123)	600864.06	4134615.33	368.26910
600868.81 (98092724)	4134609.64	373.26710	(98092724)	600873.56	4134603.94	377.51085
600878.31 (98092724)	4134598.25	381.08321	(98092724)	600883.06	4134592.55	384.02597
600726.46 (00062101)	4134818.92	775.57877	(00062101)	600720.71	4134823.48	781.23748

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600714.95 (00062101)	4134828.03	784.99601 (00062101)	600709.20	4134832.59	786.86626
600703.45 (00062101)	4134837.14	786.78928 (00062101)	600697.69	4134841.70	784.72000
600691.94 (00062101)	4134846.25	780.54819 (00062101)	600686.18	4134850.81	774.07752
600680.43 (00062101)	4134855.36	763.60108 (00062101)	600674.68	4134859.92	749.01227
600668.92 (99081523)	4134864.47	758.61084 (00101523)	600663.17	4134869.03	774.14769
600657.42 (99081523)	4134873.58	790.71616 (99081523)	600651.66	4134878.14	807.74152
600645.91 (99081523)	4134882.69	821.02744 (99081523)	600640.15	4134887.25	830.35415
600732.21 (00062101)	4134814.37	768.21908 (00062101)	600736.96	4134808.67	759.48337
600741.71 (00062101)	4134802.98	749.22697 (00062101)	600746.46	4134797.29	735.81738
600751.21 (00062101)	4134791.59	723.99571 (00062101)	600755.96	4134785.90	708.95815
600760.71 (00062101)	4134780.20	692.29127 (00062101)	600765.46	4134774.51	673.92703
600770.21 (00062101)	4134768.81	653.89685 (00062101)	600774.96	4134763.12	632.23251
600779.71 (00062101)	4134757.42	608.91542 (00062101)	600784.46	4134751.73	583.99118
600789.21	4134746.04	557.57827 (00062101)	600793.96	4134740.34	529.78674

(00062101)							
600798.71	4134734.65	500.91628	(00062101)	600803.46	4134728.95	471.21143	
(00062101)							
600808.21	4134723.26	448.52896	(98102523)	600812.96	4134717.56	424.46336	
(98102523)							
600817.71	4134711.87	400.77163	(98102523)	600822.46	4134706.17	391.41338	
(00101120)							
600827.21	4134700.48	389.11994	(00101120)	600831.96	4134694.79	385.87973	
(00101120)							
600836.71	4134689.09	382.67984	(00101120)	600841.46	4134683.40	379.02869	
(00101120)							
600846.21	4134677.70	375.04779	(00101120)	600850.96	4134672.01	372.46809	
(00101120)							
600855.71	4134666.31	369.52680	(00101120)	600860.46	4134660.62	366.45433	
(99082123)							
600865.21	4134654.92	369.21366	(99082123)	600869.96	4134649.23	371.87041	
(99082123)							
600874.71	4134643.54	373.31775	(99082123)	600879.46	4134637.84	373.41878	
(99082123)							
600884.21	4134632.15	373.21330	(99082123)	600888.96	4134626.45	372.59730	
(99082123)							
600893.71	4134620.76	375.90823	(98092724)	600898.46	4134615.06	380.70988	
(98092724)							
600903.21	4134609.37	384.76137	(98092724)	600760.53	4134452.73	397.16070	
(99100823)							
600756.32	4134459.97	389.05381	(99100823)	600752.11	4134467.20	379.94435	
(99100823)							
600764.13	4134445.11	404.57118	(99100823)	600773.87	4134457.80	395.84665	
(99100823)							
600769.59	4134465.15	386.71878	(99100823)	600765.32	4134472.50	376.06789	
(99100823)							
600761.04	4134479.86	364.38977	(99100823)	600777.51	4134450.13	402.98792	
(99100823)							
600787.42	4134462.53	391.13597	(99100823)	600783.48	4134469.29	382.88090	
(99100823)							
600779.54	4134476.06	373.13072	(99100823)	600775.61	4134482.83	362.07394	
(99100823)							
600771.67	4134489.59	349.51470	(99100823)	600790.89	4134455.14	398.47616	
(99100823)							
600800.76	4134467.61	386.07107	(99100823)	600796.75	4134474.50	376.92567	
(99100823)							
600792.74	4134481.39	366.14920	(99100823)	600788.73	4134488.28	354.01572	
(99100823)							
600784.72	4134495.17	348.03090	(00092301)	600804.26	4134460.16	394.55132	
(99100823)							
600814.10	4134472.68	381.69776	(99100823)	600810.03	4134479.67	370.87869	
(99100823)							
600805.96	4134486.67	358.75328	(99100823)	600801.89	4134493.67	352.30940	
(00092301)							
600797.82	4134500.66	350.77023	(00092301)	600793.74	4134507.66	348.80819	
(00092301)							
600817.64	4134465.18	391.75409	(99100823)	600827.45	4134477.74	376.39627	
(99100823)							

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI		IN MICROGRAMS/M**3		**	
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
600823.33	4134484.82	364.25772	(99100823)	600819.20	4134491.91	356.02932	
(00092301)							
600815.08	4134499.00	354.94729	(00092301)	600810.95	4134506.09	353.64568	
(00092301)							
600806.83	4134513.18	351.46165	(00092301)	600831.01	4134470.19	387.77466	
(99100823)							
600840.80	4134482.79	370.53900	(99100823)	600836.63	4134489.96	360.80469	
(00121002)							
600832.46	4134497.13	358.41772	(00092301)	600828.29	4134504.29	357.86727	
(00092301)							
600824.12	4134511.46	356.25919	(00092301)	600819.95	4134518.63	353.80057	
(00092301)							
600815.78	4134525.79	354.80135	(98092724)	600844.39	4134475.21	383.07532	
(99100823)							
600854.16	4134487.84	369.17158	(00121002)	600849.95	4134495.08	363.54125	
(00092301)							
600845.74	4134502.31	362.85495	(00092301)	600841.53	4134509.55	361.31030	
(00092301)							
600837.32	4134516.79	359.00860	(00092301)	600833.11	4134524.02	358.21152	
(98092724)							
600828.90	4134531.26	360.60279	(98092724)	600857.77	4134480.22	378.20046	
(99100823)							
600878.73	4134497.08	370.16642	(00092301)	600874.49	4134504.36	370.84598	
(00092301)							
600870.26	4134511.63	369.91270	(00092301)	600866.03	4134518.91	366.99965	
(00092301)							
600861.79	4134526.18	364.57772	(98092724)	600857.56	4134533.46	368.07928	
(98092724)							
600853.32	4134540.74	371.18795	(98092724)	600849.09	4134548.01	373.48205	
(98092724)							
600882.34	4134489.44	376.05372	(00121002)	600903.30	4134506.31	375.23224	
(00092301)							
600899.04	4134513.62	376.69037	(00092301)	600894.79	4134520.93	377.70313	
(00092301)							
600890.54	4134528.24	376.34652	(98092724)	600886.29	4134535.55	378.90183	
(98092724)							
600882.03	4134542.85	380.79882	(98092724)	600877.78	4134550.16	382.02901	
(98092724)							
600873.53	4134557.47	383.54650	(98092724)	600869.28	4134564.78	382.96780	
(98092724)							
600906.92	4134498.66	372.71529	(00092301)	600927.87	4134515.54	376.71396	
(98071724)							
600923.60	4134522.88	375.79389	(98071724)	600919.33	4134530.21	376.45438	
(98071724)							
600915.06	4134537.55	377.83664	(98092724)	600910.80	4134544.88	383.72629	
(98092724)							
600906.53	4134552.21	387.67649	(98092724)	600902.26	4134559.55	389.47668	
(98092724)							
600897.99	4134566.88	389.60292	(98092724)	600893.73	4134574.22	388.92093	
(98092724)							
600889.46	4134581.55	387.52123	(98092724)	600931.50	4134507.88	376.57815	
(98071724)							
600952.44	4134524.77	381.89072	(98071724)	600948.16	4134532.13	380.76865	
(98071724)							
600943.88	4134539.48	379.37856	(98071724)	600939.60	4134546.84	379.94167	
(98092724)							

600935.32 (98092724)	4134554.20	386.02775 (98092724)	600931.04	4134561.55	390.84304
600926.76 (98092724)	4134568.91	393.87167 (98092724)	600922.48	4134576.27	394.78564
600918.20 (98092724)	4134583.62	394.02613 (98092724)	600913.92	4134590.98	392.45393
600909.63 (98071724)	4134598.33	390.03506 (98092724)	600956.08	4134517.09	382.20949
600781.09 (98092802)	4134434.66	413.53361 (98092802)	600797.50	4134422.93	425.32109
600795.46 (99100823)	4134434.22	411.07714 (99100823)	600793.41	4134445.50	405.72623
600811.83 (99100823)	4134422.72	424.22659 (98092802)	600809.80	4134433.87	412.83573
600807.78 (98092802)	4134445.01	407.17265 (99100823)	600828.14	4134411.52	436.76534
600826.14 (99100823)	4134422.55	423.78330 (98092802)	600824.14	4134433.59	416.40949
600822.14 (99100823)	4134444.62	410.77257 (99100823)	600820.14	4134455.66	402.02776
600842.44 (98092802)	4134411.47	437.20057 (98092802)	600840.45	4134422.42	423.78528
600838.47 (99100823)	4134433.36	419.77015 (99100823)	600836.48	4134444.30	414.15781

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
 *** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600834.50 (98092802)	4134455.25	405.26704 (99100823)	600843.43	4134400.00	445.85199
600856.73 (99100823)	4134411.43	438.08156 (98092802)	600854.76	4134422.30	424.92289
600852.79 (99100823)	4134433.17	423.02957 (99100823)	600850.82	4134444.04	417.35140
600848.85 (99100823)	4134454.91	408.27118 (99100823)	600846.88	4134465.77	396.01299
600857.71 (98092802)	4134400.00	447.65727 (98092802)	600870.94	4134411.85	438.02839
600868.82 (99100823)	4134423.56	428.07987 (99100823)	600866.69	4134435.26	425.25636
600864.57 (99100823)	4134446.96	418.00641 (99100823)	600862.45	4134458.67	406.80830
600860.33 (98092802)	4134470.37	392.38221 (99100823)	600872.00	4134400.00	449.05554
600897.22 (99100823)	4134411.67	437.92424 (98092802)	600895.16	4134423.02	433.39943
600893.11 (99100823)	4134434.37	430.67531 (99100823)	600891.05	4134445.72	425.45370
600888.99	4134457.07	416.49387 (99100823)	600886.93	4134468.42	403.19808

(99100823)							
600884.87	4134479.77	386.41912	(00121002)	600898.25	4134400.00	450.49315	
(98092802)							
600923.50	4134411.54	436.56038	(98092802)	600921.49	4134422.62	438.16263	
(99100823)							
600919.48	4134433.71	435.46205	(99100823)	600917.47	4134444.79	430.26905	
(99100823)							
600915.46	4134455.87	422.28969	(99100823)	600913.45	4134466.95	410.40385	
(99100823)							
600911.44	4134478.04	394.32476	(00121002)	600909.43	4134489.12	382.05956	
(00121002)							
600924.50	4134400.00	450.57616	(98092802)	600949.71	4134411.76	440.51652	
(99100823)							
600947.62	4134423.27	442.26619	(99100823)	600945.53	4134434.79	438.86591	
(99100823)							
600943.44	4134446.30	431.44248	(99100823)	600941.35	4134457.82	420.30154	
(99100823)							
600939.27	4134469.33	406.00206	(99100823)	600937.18	4134480.85	394.23786	
(00121002)							
600935.09	4134492.36	382.06124	(00121002)	600950.75	4134400.00	449.37973	
(98092802)							
600975.98	4134411.64	444.34701	(99100823)	600973.93	4134422.91	445.94700	
(99100823)							
600971.89	4134434.18	442.51376	(99100823)	600969.85	4134445.46	434.56314	
(99100823)							
600967.80	4134456.73	422.46539	(99100823)	600965.76	4134468.00	406.83213	
(99100823)							
600963.71	4134479.27	397.28761	(00121002)	600961.67	4134490.55	387.08421	
(00121002)							
600959.62	4134501.82	378.82567	(98071724)	600977.00	4134400.00	447.05011	
(98092802)							
600869.97	4134390.44	452.71780	(98092802)	600893.37	4134377.03	455.04902	
(98092802)							
600895.32	4134386.22	456.77931	(98092802)	600917.58	4134367.37	454.57384	
(98092802)							
600919.55	4134376.69	459.45364	(98092802)	600921.53	4134386.02	459.39917	
(98092802)							
600947.75	4134385.85	460.69014	(98092802)	600749.25	4134234.05	567.54883	
(99122817)							
600743.71	4134229.67	568.92651	(99122817)	600738.18	4134225.28	568.83105	
(99122817)							
600732.64	4134220.90	567.64717	(99122817)	600727.10	4134216.52	565.38044	
(99122817)							
600721.56	4134212.13	561.97219	(99122817)	600716.02	4134207.75	557.19910	
(99122817)							
600710.48	4134203.36	550.58947	(99122817)	600704.94	4134198.98	541.62560	
(99122817)							
600699.41	4134194.59	530.03350	(99122817)	600758.12	4134222.85	571.45379	
(99122817)							
600752.58	4134218.47	572.63953	(99122817)	600747.04	4134214.08	572.29133	
(99122817)							
600741.50	4134209.70	570.61441	(99122817)	600735.97	4134205.31	567.87030	
(99122817)							
600730.43	4134200.93	563.85690	(99122817)	600724.89	4134196.55	558.44039	
(99122817)							
600719.35	4134192.16	550.65759	(99122817)	600713.81	4134187.78	540.80856	
(99122817)							
600708.27	4134183.39	528.14379	(99122817)	600766.99	4134211.65	575.65080	
(99122817)							

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600761.45 (99122817)	4134207.27	576.57721 (99122817)	(99122817)	600755.91	4134202.88	576.01014
600750.37 (99122817)	4134198.50	573.70781 (99122817)	(99122817)	600744.83	4134194.11	569.51901
600739.29 (99122817)	4134189.73	563.91297 (99122817)	(99122817)	600733.76	4134185.34	556.87823
600728.22 (99122817)	4134180.96	547.95873 (99122817)	(99122817)	600722.68	4134176.58	537.35981
600717.14 (99122817)	4134172.19	525.03755 (99122817)	(99122817)	600777.74	4134186.69	582.64952
600772.20 (99122817)	4134182.30	580.91616 (99122817)	(99122817)	600766.66	4134177.92	576.91133
600761.13 (99122817)	4134173.53	571.13367 (99122817)	(99122817)	600755.59	4134169.15	563.62060
600750.05 (99122817)	4134164.76	554.23864 (99122817)	(99122817)	600744.51	4134160.38	543.10335
600738.97 (99122817)	4134155.99	530.58525 (99122817)	(99122817)	600733.43	4134151.61	516.25362
600794.04 (99122817)	4134166.11	586.83374 (99122817)	(99122817)	600788.50	4134161.72	583.49457
600782.96 (99122817)	4134157.34	578.26165 (99122817)	(99122817)	600777.42	4134152.95	571.18774
600771.88 (99122817)	4134148.57	562.34945 (99122817)	(99122817)	600766.34	4134144.18	551.71040
600821.41 (99122817)	4134154.29	590.45990 (99122817)	(99122817)	600815.87	4134149.91	590.82645
600810.33 (99122817)	4134145.52	588.74616 (99122817)	(99122817)	600804.79	4134141.14	584.58072
600799.25 (99122817)	4134136.75	578.15675 (99122817)	(99122817)	600793.71	4134132.37	569.91174
600788.17 (99122817)	4134127.99	559.92560 (99122817)	(99122817)	600782.64	4134123.60	548.25239
600777.10 (99122817)	4134119.22	534.95695 (99122817)	(99122817)	600771.56	4134114.83	520.19724
600766.02 (99122817)	4134110.45	504.12178 (99122817)	(99122817)	600854.31	4134146.87	583.92381
600848.78 (99122817)	4134142.48	589.46438 (99122817)	(99122817)	600843.24	4134138.10	593.05573
600837.70 (99122817)	4134133.71	594.67411 (99122817)	(99122817)	600832.16	4134129.33	593.73590
600826.62 (99122817)	4134124.94	590.01457 (99122817)	(99122817)	600821.08	4134120.56	584.37834
600815.55 (99122817)	4134116.17	576.86770 (99122817)	(99122817)	600810.01	4134111.79	567.57354
600804.47 (99122817)	4134107.40	556.55642 (99122817)	(99122817)	600798.93	4134103.02	543.95619
600793.39 (99122817)	4134098.64	529.88046 (99122817)	(99122817)	600787.85	4134094.25	514.47545
600782.31 (99122817)	4134089.87	497.84084 (99122817)	(99122817)	600689.04	4134187.28	503.49944

600677.86 (99122817)	4134179.88	469.35527 (99122817)	600671.86 (99122817)	4134176.13	449.29354
600665.86 (99103118)	4134172.38	428.28718 (99122817)	600659.86 (99103118)	4134168.63	411.35272
600653.86 (99103118)	4134164.88	413.10404 (99103118)	600647.86 (99103118)	4134161.13	413.57387
600641.86 (99122817)	4134157.38	413.63953 (99103118)	600697.04 (99122817)	4134175.47	497.81115
600691.43 (99122817)	4134171.51	480.28991 (99122817)	600685.43 (99122817)	4134167.76	461.08450
600679.43 (99122817)	4134164.01	440.24055 (99122817)	600673.43 (99122817)	4134160.26	418.66569
600667.43 (99103118)	4134156.51	410.92606 (98082323)	600661.43 (99103118)	4134152.76	412.26629
600655.43 (99103118)	4134149.01	413.23013 (99103118)	600649.43 (99103118)	4134145.26	413.47728
600703.53 (99122817)	4134162.60	486.28453 (99122817)	600693.00 (99122817)	4134155.65	450.84617
600687.00 (98082323)	4134151.90	430.05379 (99122817)	600681.00 (98082323)	4134148.15	415.87522
600675.00 (99103118)	4134144.40	410.32859 (98082323)	600669.00 (99103118)	4134140.65	411.43828
600663.00 (99103118)	4134136.90	412.76259 (99103118)	600657.00 (99103118)	4134133.15	414.04800
600651.00 (99122817)	4134129.40	414.85886 (99103118)	600718.04 (99122817)	4134140.76	470.34250
600706.91 (98082323)	4134133.39	433.30514 (99122817)	600700.91 (98082323)	4134129.64	421.84403
600694.91 (98082323)	4134125.89	417.82492 (98082323)	600688.91 (98082323)	4134122.14	413.11416

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600682.91 (99103118)	4134118.39	413.42283 (99103118)	600676.91 (99103118)	4134114.64	415.91695
600670.91 (99103118)	4134110.89	417.64558 (99103118)	600664.91 (99103118)	4134107.14	418.31766
600745.79 (99122817)	4134096.19	440.12410 (99122817)	600755.91 (99122817)	4134103.32	473.46573
600734.74 (98082323)	4134088.87	434.50794 (98082323)	600728.74 (98082323)	4134085.12	430.60365
600722.74 (98082323)	4134081.37	425.91915 (98082323)	600716.74 (98082323)	4134077.62	420.40697
600710.74 (99103118)	4134073.87	415.87349 (99103118)	600704.74 (99103118)	4134070.12	418.61552
600698.74 (99103118)	4134066.37	420.03674 (99103118)	600692.74 (99103118)	4134062.62	420.30403
600760.18	4134074.26	443.80966 (98082323)	600771.25	4134082.06	463.38584

(99122817)							
600748.65	4134066.61	438.10898	(98082323)	600742.65	4134062.86	433.84145	
(98082323)							
600736.65	4134059.11	428.62364	(98082323)	600730.65	4134055.36	422.43905	
(98082323)							
600724.65	4134051.61	415.46796	(99103118)	600718.65	4134047.86	418.09851	
(99103118)							
600712.65	4134044.11	419.56162	(99103118)	600706.65	4134040.36	419.28530	
(99103118)							
600641.60	4134120.86	413.50622	(99103118)	600657.67	4134100.10	416.48510	
(99103118)							
600684.64	4134054.59	423.23607	(00120921)	600700.71	4134033.83	418.60267	
(00120921)							
600773.98	4134438.26	412.05960	(99100823)	600592.69	4134142.61	448.11226	
(00120921)							
600582.69	4134135.41	476.55135	(00120921)	600596.87	4134136.82	445.06492	
(00120921)							
600586.87	4134129.62	475.34577	(00120921)	600601.04	4134131.02	443.30007	
(00120921)							
600591.04	4134123.82	473.94763	(00120921)	600605.22	4134125.22	441.72318	
(00120921)							
600595.22	4134118.02	472.21703	(00120921)	600609.39	4134119.43	439.97738	
(00120921)							
600599.39	4134112.23	469.78026	(00120921)	600613.56	4134113.63	438.32305	
(00120921)							
600603.56	4134106.43	467.19713	(00120921)	600622.74	4134111.43	424.94441	
(00120921)							
600612.74	4134104.23	450.29156	(00120921)	600602.74	4134097.03	475.12750	
(00120921)							
600661.93	4134161.89	411.73331	(99103118)	600626.91	4134105.64	425.43171	
(00120921)							
600616.91	4134098.44	448.24239	(00120921)	600606.91	4134091.24	472.83386	
(00120921)							
600663.03	4134144.54	412.24203	(99103118)	600631.08	4134099.84	427.07565	
(00120921)							
600621.08	4134092.64	447.07132	(00120921)	600611.08	4134085.44	470.77556	
(00120921)							
600650.21	4134112.82	415.99262	(99103118)	600656.84	4134122.94	416.06994	
(99103118)							
600625.26	4134086.84	446.68764	(00120921)	600615.26	4134079.64	469.31978	
(00120921)							
600654.25	4134106.83	417.13694	(99103118)	600660.80	4134116.82	417.02951	
(99103118)							
600667.35	4134126.81	414.53646	(99103118)	600682.81	4134157.68	433.59616	
(99122817)							
600678.27	4134187.20	484.00561	(99122817)	600629.43	4134081.05	446.47385	
(00120921)							
600619.43	4134073.85	468.13411	(00120921)	600665.61	4134099.82	417.92032	
(99103118)							
600684.85	4134129.18	411.92409	(98082323)	600691.27	4134138.96	418.36963	
(98082323)							
600690.57	4134195.01	517.75628	(99122817)	600637.78	4134069.45	446.12906	
(00120921)							
600627.78	4134062.25	466.46667	(00120921)	600677.96	4134094.35	418.87205	
(99103118)							
600684.70	4134104.62	416.63290	(99103118)	600691.44	4134114.90	413.15353	
(98082323)							
600708.28	4134140.58	450.62678	(99122817)	600710.71	4134151.79	478.31212	
(99122817)							
600707.91	4134170.00	507.75156	(99122817)	600702.30	4134206.43	544.64098	
(99122817)							
600702.49	4134107.43	418.94009	(98082323)	600709.09	4134117.50	424.81754	
(98082323)							
600715.70	4134127.58	440.05481	(99122817)	600724.69	4134148.64	497.25166	

(99122817)

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600722.86	4134160.54	514.82024	(99122817)	600654.47	4134046.27	446.78509
(00120921)						
600644.47	4134039.07	464.18681	(00120921)	600697.32	4134075.22	419.42358
(99103118)						
600733.07	4134129.74	478.34120	(99122817)	600738.66	4134145.51	514.92836
(99122817)						
600735.96	4134163.09	536.22333	(99122817)	600734.16	4134174.81	547.60110
(99122817)						
600731.45	4134192.38	560.23659	(99122817)	600667.82	4134038.27	442.20592
(00120921)						
600657.82	4134031.07	455.43646	(00120921)	600689.53	4134039.02	426.42769
(00120921)						
600696.27	4134049.29	419.68753	(99103118)	600703.01	4134059.57	419.98187
(99103118)						
600723.21	4134090.39	428.38637	(98082323)	600752.59	4134142.70	531.79680
(99122817)						
600750.72	4134154.84	544.52394	(99122817)	600747.92	4134173.05	559.40003
(99122817)						
600746.05	4134185.20	566.12523	(99122817)	600671.17	4134023.08	447.85154
(00120921)						
600661.17	4134015.88	462.71882	(00120921)	600697.83	4134027.35	424.34530
(00120921)						
600717.73	4134057.70	416.86292	(99103118)	600724.37	4134067.82	422.62945
(98082323)						
600731.00	4134077.94	430.36402	(98082323)	600747.58	4134103.24	457.25277
(99122817)						
600754.22	4134113.36	488.26409	(99122817)	600764.73	4134151.53	557.52179
(99122817)						
600762.89	4134163.49	566.03069	(99122817)	600760.13	4134181.43	574.24385
(99122817)						
600758.29	4134193.39	576.74515	(99122817)	600755.53	4134211.33	574.63763
(99122817)						
600679.51	4134011.49	446.56962	(00120921)	600669.51	4134004.29	462.04570
(00120921)						
600706.14	4134015.69	423.63961	(00120921)	600712.68	4134025.68	418.55391
(99103118)						
600719.23	4134035.67	418.94113	(99103118)	600742.15	4134070.63	435.36133
(98082323)						
600748.70	4134080.62	439.95746	(98082323)	600755.25	4134090.61	448.27372
(99122817)						
600776.00	4134165.98	577.83423	(99122817)	600771.46	4134195.49	581.24972
(99122817)						
600687.86	4133999.89	446.62604	(00120921)	600677.86	4133992.69	461.30034
(00120921)						

600721.49 (99103118)	4133994.41	414.66001 (00120921)	600728.08	4134004.46	414.03061
600734.66 (98082323)	4134014.50	416.45963 (99103118)	600741.25	4134024.55	414.36012
600747.83 (98082323)	4134034.59	426.92289 (98082323)	600754.42	4134044.64	435.99717
600761.00 (98082323)	4134054.68	442.23498 (98082323)	600767.59	4134064.72	445.91541
600774.17 (99122817)	4134074.77	455.15531 (99122817)	600797.22	4134109.93	550.44301
600803.81 (99122817)	4134119.97	568.94028 (99122817)	600806.18	4134130.93	579.75942
600703.20 (00120921)	4133978.59	444.15274 (00120921)	600693.20	4133971.39	459.47161
600736.84 (99103118)	4133973.13	405.67662 (00120921)	600743.46	4133983.22	407.95322
600750.07 (98082323)	4133993.31	409.05915 (99103118)	600756.69	4134003.40	412.00732
600763.30 (98082323)	4134013.49	428.20392 (98082323)	600769.92	4134023.58	439.03486
600776.53 (98082323)	4134033.67	445.52650 (98082323)	600783.14	4134043.76	449.46379
600789.76 (99122817)	4134053.84	450.89696 (98082323)	600796.37	4134063.93	477.35850
600802.99 (99122817)	4134074.02	506.85211 (99122817)	600809.60	4134084.11	533.13400
600816.21 (99122817)	4134094.20	555.61768 (99122817)	600822.83	4134104.29	573.62573
600829.44 (99122817)	4134114.38	586.56217 (99122817)	600830.00	4134137.31	594.20311
600828.16 (00120921)	4134149.23	591.40123 (99122817)	600708.54	4133950.09	456.76486
600752.19 (99103118)	4133951.85	402.74305 (99103118)	600758.83	4133961.97	404.97577
600765.47 (98082323)	4133972.10	404.32167 (99103118)	600772.11	4133982.22	408.42656

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*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600778.75 (98082323)	4133992.35	423.90259 (98082323)	600785.38	4134002.47	435.45482
600792.02 (98082323)	4134012.60	442.93012 (98082323)	600798.66	4134022.72	447.13446
600805.30 (99122817)	4134032.85	449.76568 (98082323)	600811.94	4134042.98	465.55357
600818.57 (99122817)	4134053.10	496.07731 (99122817)	600825.21	4134063.23	523.98563
600831.85	4134073.35	549.24293 (99122817)	600838.49	4134083.48	568.85047

(99122817)							
600845.13	4134093.60	583.60023	(99122817)	600851.76	4134103.73	594.06548	
(99122817)							
600857.48	4134119.84	595.71598	(99122817)	600855.64	4134131.80	591.98827	
(99122817)							
600723.87	4133928.78	452.91915	(00120921)	600767.54	4133930.56	399.84402	
(99103118)							
600774.20	4133940.72	401.52259	(99103118)	600780.86	4133950.87	400.46404	
(99103118)							
600787.52	4133961.03	408.07081	(98082323)	600794.17	4133971.18	423.32178	
(98082323)							
600800.83	4133981.34	434.68250	(98082323)	600807.49	4133991.49	442.45071	
(98082323)							
600814.15	4134001.65	446.99182	(98082323)	600820.80	4134011.80	448.42102	
(98082323)							
600827.46	4134021.96	452.07378	(99122817)	600834.12	4134032.12	483.89690	
(99122817)							
600840.78	4134042.27	512.76008	(99122817)	600847.44	4134052.43	538.55306	
(99122817)							
600854.09	4134062.58	560.21581	(99122817)	600860.75	4134072.74	576.67746	
(99122817)							
600867.41	4134082.89	588.79064	(99122817)	600874.07	4134093.05	595.82513	
(99122817)							
600880.73	4134103.20	595.84482	(99122817)	600883.13	4134114.28	590.42450	
(99122817)							
600881.28	4134126.29	582.91147	(99122817)	600739.21	4133907.48	447.66786	
(00120921)							
600570.85	4134130.11	476.08512	(99083023)	600562.60	4134121.21	472.21946	
(99083023)							
600575.45	4134124.42	476.44029	(00120921)	600561.38	4134114.07	472.57037	
(98061824)							
600573.71	4134117.15	473.77547	(99083023)	600547.81	4134109.11	473.78445	
(98061824)							
600568.64	4134109.04	472.41229	(99083023)	600583.02	4134112.63	480.37783	
(00120921)							
600534.86	4134108.81	463.57750	(99082923)	600541.01	4134105.33	467.51478	
(98061824)							
600547.15	4134101.86	473.16595	(98061824)	600560.14	4134100.09	475.02993	
(98061824)							
600566.99	4134101.79	469.41808	(99083023)	600573.84	4134103.50	472.15304	
(99083023)							
600580.69	4134105.21	472.36878	(00120921)	600587.54	4134106.92	482.28694	
(00120921)							
600507.15	4134130.81	445.83602	(99101202)	600502.50	4134136.59	439.70406	
(99101202)							
600497.86	4134142.38	432.08577	(99101202)	600493.22	4134148.16	424.78963	
(98071202)							
600488.58	4134153.95	436.81083	(98071202)	600483.93	4134159.74	448.66620	
(00082924)							
600479.29	4134165.52	459.30694	(00082924)	600474.65	4134171.31	468.24451	
(00082924)							
600470.00	4134177.09	476.57424	(00082924)	600465.36	4134182.88	483.81442	
(00082924)							
600460.72	4134188.66	488.70963	(00082924)	600456.08	4134194.45	494.26944	
(99070501)							
600451.43	4134200.24	501.06223	(99070501)	600528.63	4134104.71	463.39609	
(99082923)							
600534.56	4134101.36	464.15729	(99082923)	600546.41	4134094.65	472.26557	
(98061824)							
600558.94	4134092.95	476.10495	(98061824)	600572.14	4134096.24	470.22302	
(99083023)							
600585.35	4134099.54	475.93690	(00120921)	600501.58	4134126.34	440.16904	
(99101202)							
600496.93	4134132.12	432.50040	(99101202)	600492.29	4134137.91	426.00749	

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(99072701)
600487.65 4134143.69 433.12590 (98071202) 600483.00 4134149.48 445.02256
(00082924)
600478.36 4134155.27 456.96168 (00082924) 600473.72 4134161.05 465.83040
(00082924)
600469.08 4134166.84 474.77435 (00082924) 600464.43 4134172.62 483.29474
(00082924)
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*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600459.79	4134178.41	489.65159 (00082924)	600455.15	4134184.19	494.06265
(00082924)					
600450.50	4134189.98	500.71807 (99070501)	600445.86	4134195.77	507.04994
(99070501)					
600522.57	4134100.52	461.08729 (99082923)	600534.09	4134094.00	464.68683
(99082923)					
600545.61	4134087.48	471.12351 (98061824)	600557.79	4134085.83	476.71632
(98061824)					
600570.63	4134089.03	467.55343 (99083023)	600583.47	4134092.23	467.01267
(99083023)					
600496.01	4134121.87	432.90999 (99101202)	600491.36	4134127.65	427.45019
(99072701)					
600486.72	4134133.44	429.27553 (99072701)	600482.08	4134139.22	440.77286
(98071202)					
600477.43	4134145.01	453.78455 (00082924)	600472.79	4134150.80	464.25197
(00082924)					
600468.15	4134156.58	474.23333 (00082924)	600463.51	4134162.37	482.59994
(00082924)					
600458.86	4134168.15	489.86200 (00082924)	600454.22	4134173.94	495.37065
(00082924)					
600449.58	4134179.72	499.32056 (00082924)	600444.93	4134185.51	507.36983
(99070501)					
600440.29	4134191.30	512.76724 (99070501)	600512.39	4134098.66	454.38256
(99101202)					
600525.06	4134091.49	462.89329 (99082923)	600537.73	4134084.32	464.87576
(99082923)					
600544.07	4134080.73	469.11854 (98061824)	600564.53	4134080.67	473.97789
(98061824)					
600578.66	4134084.19	467.93178 (99083023)	600592.78	4134087.71	477.16619
(00120921)					
600599.85	4134089.48	479.87758 (00120921)	600490.43	4134117.40	428.76260
(99072701)					
600485.79	4134123.18	430.87194 (99072701)	600481.15	4134128.97	436.98092
(98071202)					
600476.51	4134134.75	449.85008 (00082924)	600471.86	4134140.54	461.83619
(00082924)					
600467.22	4134146.32	472.47338 (00082924)	600462.58	4134152.11	481.72779
(00082924)					

600457.93 (00082924)	4134157.90	489.30513 (00082924)	600453.29	4134163.68	496.35035
600448.65 (99070501)	4134169.47	501.79278 (00082924)	600444.01	4134175.25	506.79190
600439.36 (99070501)	4134181.04	513.73213 (99070501)	600434.72	4134186.82	518.27396
600506.44 (99101202)	4134094.40	450.33324 (99101202)	600512.58	4134090.93	455.48257
600518.72 (99082923)	4134087.45	459.03793 (99082923)	600524.87	4134083.97	463.12430
600531.01 (99082923)	4134080.50	465.09066 (99082923)	600537.15	4134077.02	465.36858
600543.30 (98061824)	4134073.54	467.57006 (98061824)	600556.29	4134071.78	476.86066
600563.14 (98061824)	4134073.48	475.97320 (98061824)	600569.99	4134075.19	467.60126
600576.84 (99083023)	4134076.90	466.17801 (99083023)	600583.69	4134078.61	465.54732
600590.54 (00120921)	4134080.32	468.34204 (00120921)	600597.39	4134082.02	478.31168
600604.23 (99072701)	4134083.73	478.50262 (00120921)	600484.86	4134112.93	432.29788
600480.22 (00082924)	4134118.71	433.27137 (99072701)	600475.58	4134124.50	445.30331
600470.93 (00082924)	4134130.28	458.33660 (00082924)	600466.29	4134136.07	469.87363
600461.65 (00082924)	4134141.85	479.66553 (00082924)	600457.01	4134147.64	487.94341
600452.36 (00082924)	4134153.43	495.13925 (00082924)	600447.72	4134159.21	501.64187
600443.08 (99070501)	4134165.00	507.41798 (00082924)	600438.43	4134170.78	513.59045
600433.79 (99070501)	4134176.57	519.55015 (99070501)	600429.15	4134182.35	523.53690
600500.56 (99101202)	4134090.11	444.45296 (99101202)	600512.54	4134083.33	456.39866
600524.52 (99082923)	4134076.55	463.23262 (99082923)	600536.50	4134069.77	465.59915
600555.16 (98061824)	4134064.66	476.52071 (98061824)	600568.51	4134067.99	470.97022
600575.19 (99083023)	4134069.65	463.90880 (99083023)	600588.55	4134072.98	462.63730

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YMMDDHH)	Y-COORD (M)	CONC (YMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
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600595.22 (00120921)	4134074.65	471.75695 (00120921)	600608.58	4134077.98	477.40866
600479.29	4134108.46	434.93193 (99072701)	600474.65	4134114.24	440.38323

(98071202)							
600470.01	4134120.03	454.44726	(00082924)	600465.36	4134125.81	467.12023	
(00082924)							
600460.72	4134131.60	477.42038	(00082924)	600456.08	4134137.38	485.81726	
(00082924)							
600451.44	4134143.17	493.22630	(00082924)	600446.79	4134148.96	499.69793	
(00082924)							
600442.15	4134154.74	505.62882	(00082924)	600437.51	4134160.53	510.79744	
(99070501)							
600432.86	4134166.31	519.76839	(99070501)	600428.22	4134172.10	525.11570	
(99070501)							
600423.58	4134177.88	528.60991	(99070501)	600502.36	4134081.46	447.86550	
(99101202)							
600515.26	4134074.16	458.86741	(99101202)	600528.16	4134066.86	464.90663	
(99082923)							
600541.06	4134059.56	465.01038	(99082923)	600554.71	4134057.71	476.22545	
(98061824)							
600561.90	4134059.50	477.32614	(98061824)	600583.47	4134064.88	464.34107	
(99083023)							
600605.05	4134070.26	479.28531	(00120921)	600612.24	4134072.05	477.12341	
(00120921)							
600473.72	4134103.98	436.68290	(99072701)	600469.08	4134109.77	449.97419	
(00082924)							
600464.44	4134115.56	463.62604	(00082924)	600459.79	4134121.34	475.05601	
(00082924)							
600455.15	4134127.13	484.24524	(00082924)	600450.51	4134132.91	491.31715	
(00082924)							
600445.86	4134138.70	497.21409	(00082924)	600441.22	4134144.48	503.75863	
(00082924)							
600436.58	4134150.27	509.11611	(00082924)	600431.94	4134156.06	516.70161	
(99070501)							
600427.29	4134161.84	525.00315	(99070501)	600422.65	4134167.63	530.43092	
(99070501)							
600418.01	4134173.41	533.47213	(99070501)	600484.15	4134076.52	437.52497	
(99072701)							
600490.30	4134073.04	432.51657	(99101202)	600496.44	4134069.57	442.08488	
(99101202)							
600502.58	4134066.09	450.07249	(99101202)	600508.73	4134062.62	456.23903	
(99101202)							
600514.87	4134059.14	460.37198	(99101202)	600521.01	4134055.66	462.29403	
(99101202)							
600527.16	4134052.19	464.78104	(99082923)	600533.30	4134048.71	465.83319	
(99082923)							
600539.44	4134045.23	465.63615	(99082923)	600552.44	4134043.47	473.98097	
(98061824)							
600559.29	4134045.17	477.42612	(98061824)	600566.14	4134046.88	475.61521	
(98061824)							
600572.98	4134048.59	467.91817	(98061824)	600579.83	4134050.30	460.96567	
(99083023)							
600586.68	4134052.01	462.34566	(99083023)	600593.53	4134053.71	460.11759	
(99083023)							
600600.38	4134055.42	467.38440	(00120921)	600607.23	4134057.13	477.94509	
(00120921)							
600614.08	4134058.84	480.22545	(00120921)	600620.93	4134060.55	475.58211	
(00120921)							
600462.58	4134095.04	458.73305	(00082924)	600457.94	4134100.83	470.20750	
(00082924)							
600453.29	4134106.62	479.55281	(00082924)	600448.65	4134112.40	488.75134	
(00082924)							
600444.01	4134118.19	495.90949	(00082924)	600439.37	4134123.97	502.69535	
(00082924)							
600434.72	4134129.76	508.34331	(00082924)	600430.08	4134135.54	512.67223	
(00082924)							
600425.44	4134141.33	519.98913	(99070501)	600420.79	4134147.12	529.39008	

(99070501)	600416.15	4134152.90	535.92929	(99070501)	600411.51	4134158.69	540.37190
(99070501)	600406.87	4134164.47	542.61852	(99070501)	600467.10	4134070.92	446.56103
(99072701)	600473.48	4134067.31	444.89839	(99072701)	600479.86	4134063.70	441.24783
(99072701)	600486.24	4134060.09	435.55156	(99072701)	600492.62	4134056.48	438.35279
(99101202)	600499.00	4134052.87	447.48778	(99101202)	600505.38	4134049.26	454.82464
(99101202)	600511.76	4134045.65	460.13612	(99101202)	600518.14	4134042.04	463.17505

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFault CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600524.52	4134038.43	463.75481 (99101202)	600530.90	4134034.82	465.61995
(99082923)					
600537.28	4134031.21	465.96652 (99082923)	600550.77	4134029.38	471.51423
(98061824)					
600557.89	4134031.15	476.72847 (98061824)	600565.00	4134032.92	477.06735
(98061824)					
600572.11	4134034.70	470.95851 (98061824)	600579.22	4134036.47	460.63755
(98061824)					
600586.34	4134038.24	460.31278 (99083023)	600593.45	4134040.02	459.97033
(99083023)					
600446.79	4134091.89	488.68485 (00082924)	600442.15	4134097.67	496.11386
(00082924)					
600437.51	4134103.46	503.06425 (00082924)	600432.87	4134109.25	509.32489
(00082924)					
600428.22	4134115.03	515.23216 (00082924)	600423.58	4134120.82	519.38503
(00082924)					
600418.94	4134126.60	525.48539 (99070501)	600414.29	4134132.39	535.54801
(99070501)					
600409.65	4134138.17	542.17213 (99070501)	600405.01	4134143.96	546.60443
(99070501)					
600400.37	4134149.75	549.46303 (99070501)	600395.72	4134155.53	550.99309
(99070501)					
600474.16	4134051.69	445.46290 (99072701)	600480.30	4134048.21	441.01881
(99072701)					
600486.44	4134044.73	434.63860 (99072701)	600492.59	4134041.26	440.16511
(99101202)					
600498.73	4134037.78	448.86010 (99101202)	600504.87	4134034.30	455.89649
(99101202)					
600511.02	4134030.83	461.06992 (99101202)	600517.16	4134027.35	464.19328
(99101202)					
600523.30	4134023.88	465.06736 (99101202)	600529.45	4134020.40	465.09302
(99082923)					

600535.59 (98061824)	4134016.92	465.69213 (99082923)	600548.58	4134015.16	467.36940
600555.43 (00120921)	4134016.86	474.27421 (98061824)	600617.08	4134032.23	478.32230
600623.92 (00120921)	4134033.94	482.16924 (00120921)	600630.77	4134035.65	479.86942
600637.62 (00082924)	4134037.36	473.20401 (00120921)	600444.78	4134053.06	474.65152
600451.11 (99072701)	4134049.48	457.40522 (00082924)	600457.45	4134045.89	450.82462
600489.12 (99101202)	4134027.97	436.39432 (99101202)	600495.46	4134024.39	446.04937
600501.80 (99101202)	4134020.80	454.06836 (99101202)	600508.13	4134017.22	460.21308
600514.47 (99101202)	4134013.63	464.29224 (99101202)	600520.80	4134010.05	466.09690
600527.14 (99082923)	4134006.46	465.41041 (99101202)	600533.47	4134002.88	465.03979
600575.12 (98061824)	4134008.10	469.57471 (98061824)	600582.19	4134009.86	460.84491
600589.25 (99083023)	4134011.62	455.31457 (99083023)	600596.31	4134013.38	457.42890
600603.38 (00120921)	4134015.14	456.61274 (99083023)	600610.44	4134016.91	455.76922
600617.50 (00120921)	4134018.67	471.92676 (00120921)	600624.57	4134020.43	480.89617
600631.63 (00120921)	4134022.19	483.05709 (00120921)	600638.69	4134023.95	479.64932
600645.76 (00082924)	4134025.71	472.43622 (00120921)	600424.51	4134074.01	517.59767
600419.87 (00082924)	4134079.79	522.91702 (00082924)	600415.23	4134085.58	527.08039
600410.58 (99070501)	4134091.36	530.20846 (00082924)	600405.94	4134097.15	533.96432
600401.30 (99070501)	4134102.93	543.69082 (99070501)	600396.65	4134108.72	551.36132
600392.01 (99070501)	4134114.51	557.13121 (99070501)	600387.37	4134120.29	561.18670
600382.73 (99070501)	4134126.08	563.75290 (99070501)	600378.08	4134131.86	565.08063
600373.44 (00082924)	4134137.65	565.33466 (99070501)	600433.44	4134044.23	490.65460
600439.59 (00082924)	4134040.76	476.35005 (00082924)	600445.73	4134037.28	459.95002
600451.87 (99072701)	4134033.80	452.17138 (99072701)	600458.02	4134030.33	452.63378
600464.16 (99072701)	4134026.85	451.40343 (99072701)	600470.30	4134023.38	448.40786

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*** AERMET - VERSION 15181 *** **
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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

(YYMMDDHH)

600501.02	4134005.99	454.51432	(99101202)	600507.16	4134002.52	460.59993
(99101202)						
600513.31	4133999.04	464.77646	(99101202)	600519.45	4133995.57	466.84572
(99101202)						
600544.73	4133986.85	461.22462	(99082923)	600551.58	4133988.55	464.29774
(98061824)						
600558.43	4133990.26	469.97940	(98061824)	600565.28	4133991.97	472.36315
(98061824)						
600572.13	4133993.68	470.95210	(98061824)	600578.98	4133995.38	465.79384
(98061824)						
600585.83	4133997.09	456.99235	(98061824)	600592.68	4133998.80	453.67023
(99083023)						
600599.52	4134000.51	456.08230	(99083023)	600606.37	4134002.22	455.52765
(99083023)						
600613.22	4134003.92	452.06389	(99083023)	600620.07	4134005.63	467.24658
(00120921)						
600626.92	4134007.34	478.54762	(00120921)	600633.77	4134009.05	483.66213
(00120921)						
600640.62	4134010.76	483.21728	(00120921)	600647.47	4134012.46	478.57594
(00120921)						
600654.32	4134014.17	471.26407	(00120921)	600427.30	4134047.71	502.80985
(00082924)						
600413.37	4134065.07	525.21648	(00082924)	600408.73	4134070.85	529.39159
(00082924)						
600404.08	4134076.64	532.12163	(00082924)	600399.44	4134082.42	536.36914
(99070501)						
600394.80	4134088.21	546.74320	(99070501)	600390.16	4134093.99	555.05405
(99070501)						
600385.51	4134099.78	561.44934	(99070501)	600380.87	4134105.57	566.10394
(99070501)						
600376.23	4134111.35	569.21560	(99070501)	600371.58	4134117.14	570.97382
(99070501)						
600366.94	4134122.92	571.56695	(99070501)	600362.30	4134128.71	571.20075
(99070501)						
600422.46	4134035.20	503.10786	(00082924)	600428.77	4134031.63	490.63452
(00082924)						
600435.07	4134028.06	476.01265	(00082924)	600441.38	4134024.50	459.19000
(00082924)						
600447.68	4134020.93	453.36233	(99072701)	600453.99	4134017.36	454.20601
(99072701)						
600460.29	4134013.79	453.33373	(99072701)	600466.60	4134010.23	450.62589
(99072701)						
600472.90	4134006.66	446.03716	(99072701)	600479.21	4134003.09	439.44191
(99072701)						
600485.51	4133999.52	433.41950	(99101202)	600529.65	4133974.55	465.87533
(99101202)						
600542.99	4133972.73	461.65212	(99082923)	600550.01	4133974.49	460.36269
(98061824)						
600557.04	4133976.24	467.07385	(98061824)	600564.07	4133977.99	470.56161
(98061824)						
600571.10	4133979.75	470.60778	(98061824)	600578.13	4133981.50	467.04311
(98061824)						
600585.16	4133983.25	459.92335	(98061824)	600592.19	4133985.00	449.84216
(99083023)						
600599.22	4133986.76	453.88976	(99083023)	600606.25	4133988.51	454.91415
(99083023)						
600613.28	4133990.26	452.92913	(99083023)	600620.31	4133992.02	455.85169
(00120921)						
600627.34	4133993.77	471.73100	(00120921)	600634.37	4133995.52	481.36842
(00120921)						
600641.40	4133997.28	484.95919	(00120921)	600648.43	4133999.03	483.44541

(00120921)	600655.46	4134000.78	478.13957	(00120921)	600662.48	4134002.53	470.59296
(00120921)	600416.16	4134038.77	513.35393	(00082924)	600402.23	4134056.12	530.61434
(00082924)	600397.58	4134061.91	533.34787	(00082924)	600392.94	4134067.70	538.34577
(99070501)	600388.30	4134073.48	549.28570	(99070501)	600383.66	4134079.27	558.20127
(99070501)	600379.01	4134085.05	565.20410	(99070501)	600374.37	4134090.84	570.43762
(99070501)	600369.73	4134096.62	574.06074	(99070501)	600365.08	4134102.41	576.27273
(99070501)	600360.44	4134108.20	577.25650	(99070501)	600355.80	4134113.98	577.13814
(99070501)	600351.16	4134119.77	576.09439	(99070501)	600411.47	4134026.18	513.07224
(00082924)	600417.92	4134022.53	502.51858	(00082924)	600424.37	4134018.88	489.72947
(00082924)							

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*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YMMDDHH)	Y-COORD (M)	CONC (YMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600430.82	4134015.23	474.69914	(00082924)	600437.27	4134011.58	457.47000
(00082924)						
600443.72	4134007.93	454.30684	(99072701)	600450.17	4134004.28	455.52877
(99072701)						
600456.62	4134000.63	454.97435	(99072701)	600463.07	4133996.98	452.51575
(99072701)						
600469.52	4133993.33	448.08585	(99072701)	600475.97	4133989.68	441.60362
(99072701)						
600482.42	4133986.03	433.02942	(99072701)	600488.87	4133982.38	440.30497
(99101202)						
600495.32	4133978.73	449.75630	(99101202)	600527.58	4133960.48	467.28049
(99101202)						
600541.22	4133958.62	461.70447	(99082923)	600548.41	4133960.41	458.02658
(99082923)						
600555.60	4133962.21	464.06781	(98061824)	600562.80	4133964.00	468.96024
(98061824)						
600569.99	4133965.79	470.44277	(98061824)	600577.18	4133967.59	468.31745
(98061824)						
600584.37	4133969.38	462.61029	(98061824)	600591.56	4133971.17	453.36113
(98061824)						
600598.75	4133972.97	450.79857	(99083023)	600605.95	4133974.76	453.40744
(99083023)						
600613.14	4133976.55	453.02377	(99083023)	600620.33	4133978.35	449.74190
(99083023)						
600627.52	4133980.14	461.58078	(00120921)	600634.71	4133981.93	475.70198
(00120921)						

600641.90 (00120921)	4133983.73	483.69036 (00120921)	600649.09	4133985.52	485.90838
600656.29 (00120921)	4133987.31	483.46422 (00120921)	600663.48	4133989.11	477.65930
600670.67 (00082924)	4133990.90	469.87416 (00120921)	600405.01	4134029.83	521.44193
600386.44 (99070501)	4134052.97	539.85306 (99070501)	600381.80	4134058.75	551.33453
600377.16 (99070501)	4134064.54	560.82674 (99070501)	600372.51	4134070.33	568.40995
600367.87 (99070501)	4134076.11	574.18694 (99070501)	600363.23	4134081.90	578.33776
600358.59 (99070501)	4134087.68	581.00651 (99070501)	600353.94	4134093.47	582.37504
600349.30 (99070501)	4134099.25	582.56607 (99070501)	600344.66	4134105.04	581.74219
600340.01 (00082924)	4134110.83	579.99881 (99070501)	600390.89	4134009.81	525.73464
600397.23 (00082924)	4134006.22	519.14955 (00082924)	600403.58	4134002.63	510.59353
600409.92 (00082924)	4133999.04	499.99531 (00082924)	600416.27	4133995.44	487.28610
600422.61 (00082924)	4133991.85	472.52422 (00082924)	600428.96	4133988.26	455.66341
600435.31 (99072701)	4133984.67	454.84168 (99072701)	600441.65	4133981.08	457.01686
600448.00 (99072701)	4133977.49	457.48314 (99072701)	600454.34	4133973.90	456.21005
600460.69 (99072701)	4133970.31	453.08051 (99072701)	600467.03	4133966.72	448.05495
600492.42 (99101202)	4133952.36	447.48817 (99101202)	600498.76	4133948.77	455.62259
600505.11 (99101202)	4133945.18	461.96686 (99101202)	600511.45	4133941.59	466.37524
600517.80 (99101202)	4133938.00	468.68294 (99101202)	600524.14	4133934.41	468.79403
600544.64 (98061824)	4133934.34	458.95121 (99082923)	600551.71	4133936.11	455.69003
600558.79 (98061824)	4133937.87	463.19773 (98061824)	600565.86	4133939.64	467.77924
600572.94 (98061824)	4133941.40	469.23021 (98061824)	600580.01	4133943.17	467.44603
600587.08 (98061824)	4133944.93	462.38609 (98061824)	600594.16	4133946.69	454.11142
600601.23 (99083023)	4133948.46	446.08451 (99083023)	600608.31	4133950.22	449.96408
600615.38 (99083023)	4133951.99	451.15209 (99083023)	600622.46	4133953.75	449.68651
600629.53 (00120921)	4133955.51	445.67260 (99083023)	600636.60	4133957.28	461.27247
600643.68 (00120921)	4133959.04	475.30943 (00120921)	600650.75	4133960.81	483.89560
600657.83 (00120921)	4133962.57	487.35484 (00120921)	600664.90	4133964.33	486.44353

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION
 *** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE A-1365

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI IN MICROGRAMS/M**3					**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
600671.98	4133966.10	482.19510	(00120921)	600679.05	4133967.86	475.67246	
(00120921)							
600686.12	4133969.63	467.88100	(00120921)	600384.54	4134013.40	530.44262	
(00082924)							
600379.90	4134019.18	533.30106	(00082924)	600365.97	4134036.54	562.81665	
(99070501)							
600361.33	4134042.33	571.68116	(99070501)	600356.68	4134048.11	578.72087	
(99070501)							
600352.04	4134053.90	584.05453	(99070501)	600347.40	4134059.68	587.80575	
(99070501)							
600342.76	4134065.47	590.12013	(99070501)	600338.11	4134071.25	591.11888	
(99070501)							
600333.47	4134077.04	590.93042	(99070501)	600328.83	4134082.83	589.65370	
(99070501)							
600324.18	4134088.61	587.38777	(99070501)	600319.54	4134094.40	584.16393	
(99070501)							
600370.33	4133993.42	531.07094	(00082924)	600376.60	4133989.88	527.87911	
(00082924)							
600382.86	4133986.33	522.95476	(00082924)	600389.13	4133982.79	516.23365	
(00082924)							
600395.39	4133979.24	507.62245	(00082924)	600401.66	4133975.70	497.02266	
(00082924)							
600407.92	4133972.16	484.50617	(00082924)	600414.19	4133968.61	470.01813	
(00082924)							
600420.45	4133965.07	453.59189	(00082924)	600426.71	4133961.52	454.11499	
(99072701)							
600432.98	4133957.98	457.19521	(99072701)	600439.24	4133954.43	458.69493	
(99072701)							
600445.51	4133950.89	458.54958	(99072701)	600464.30	4133940.25	447.46713	
(99072701)							
600470.57	4133936.71	440.05772	(99072701)	600476.83	4133933.16	430.75778	
(99072701)							
600483.10	4133929.62	434.39535	(99101202)	600489.36	4133926.07	444.36804	
(99101202)							
600495.63	4133922.53	452.93086	(99101202)	600501.89	4133918.99	459.83013	
(99101202)							
600508.16	4133915.44	464.95423	(99101202)	600514.42	4133911.90	468.12654	
(99101202)							
600520.69	4133908.35	469.26807	(99101202)	600533.93	4133906.55	464.52917	
(99101202)							
600540.92	4133908.29	458.30229	(99082923)	600561.87	4133913.51	462.01137	
(98061824)							
600568.85	4133915.26	466.38180	(98061824)	600575.84	4133917.00	467.88205	
(98061824)							
600582.82	4133918.74	466.39664	(98061824)	600589.81	4133920.48	461.87372	
(98061824)							
600596.79	4133922.22	454.44212	(98061824)	600603.78	4133923.96	444.25459	
(98061824)							
600610.76	4133925.71	445.81784	(99083023)	600617.74	4133927.45	448.29960	
(99083023)							
600624.73	4133929.19	448.32321	(99083023)	600631.71	4133930.93	445.90901	
(99083023)							
600638.70	4133932.67	442.21907	(00120921)	600645.68	4133934.41	460.84175	
(00120921)							
600652.66	4133936.15	474.72654	(00120921)	600659.65	4133937.90	483.78489	

(00120921)	600666.63	4133939.64	488.23092	(00120921)	600673.62	4133941.38	488.55313
(00120921)	600680.60	4133943.12	485.62725	(00120921)	600687.58	4133944.86	480.25441
(00120921)	600694.57	4133946.60	473.26073	(00120921)	600701.55	4133948.35	465.30293
(00120921)	600364.07	4133996.97	537.46104	(99070501)	600359.43	4134002.75	551.16615
(99070501)	600345.50	4134020.11	581.25935	(99070501)	600340.85	4134025.90	587.74654
(99070501)	600336.21	4134031.68	592.56550	(99070501)	600331.57	4134037.47	595.86285
(99070501)	600326.93	4134043.25	597.73835	(99070501)	600322.28	4134049.04	598.29084
(99070501)	600317.64	4134054.83	597.64854	(99070501)	600313.00	4134060.61	595.85113
(99070501)	600308.35	4134066.40	592.98634	(99070501)	600303.71	4134072.18	589.11803
(99070501)	600299.07	4134077.97	584.20414	(99070501)	600350.02	4133976.91	547.34599
(99070501)	600356.44	4133973.27	530.89660	(99070501)	600362.86	4133969.64	527.65132
(00082924)	600369.28	4133966.00	523.97814	(00082924)	600375.70	4133962.37	518.46487
(00082924)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600382.13	4133958.74	511.05811	(00082924)	600388.55	4133955.10	501.71724
(00082924)						
600394.97	4133951.47	490.36255	(00082924)	600401.39	4133947.84	477.02138
(00082924)						
600407.81	4133944.20	461.69490	(00082924)	600414.24	4133940.57	449.11547
(99072701)						
600420.66	4133936.94	454.03087	(99072701)	600439.92	4133926.03	459.36580
(99072701)						
600446.35	4133922.40	457.67749	(99072701)	600452.77	4133918.77	454.11711
(99072701)						
600459.19	4133915.13	448.67562	(99072701)	600465.61	4133911.50	441.29522
(99072701)						
600472.03	4133907.87	432.00868	(99072701)	600478.46	4133904.23	427.53625
(99101202)						
600484.88	4133900.60	438.47179	(99101202)	600491.30	4133896.96	448.01147
(99101202)						
600497.72	4133893.33	455.96653	(99101202)	600504.14	4133889.70	462.15406
(99101202)						
600510.57	4133886.06	466.46935	(99101202)	600516.99	4133882.43	468.73181
(99101202)						

600530.57 (99101202)	4133880.58	466.54747 (99101202)	600537.73	4133882.37	461.36647
600544.89 (99082923)	4133884.15	455.11120 (99082923)	600552.05	4133885.94	451.65038
600573.53 (98061824)	4133891.29	465.01895 (98061824)	600580.69	4133893.08	465.86060
600587.85 (98061824)	4133894.86	463.73685 (98061824)	600595.00	4133896.65	459.01104
600602.16 (98061824)	4133898.43	451.02375 (98061824)	600609.32	4133900.22	440.36023
600616.48 (99083023)	4133902.01	443.03865 (99083023)	600623.64	4133903.79	445.56404
600630.80 (99083023)	4133905.58	445.68901 (99083023)	600637.96	4133907.36	443.44211
600645.12 (00120921)	4133909.15	438.92375 (99083023)	600652.28	4133910.93	454.19979
600659.44 (00120921)	4133912.72	470.01318 (00120921)	600666.60	4133914.50	481.15431
600673.76 (00120921)	4133916.29	487.68881 (00120921)	600680.92	4133918.07	489.95654
600688.08 (00120921)	4133919.86	488.67862 (00120921)	600695.24	4133921.64	484.53143
600702.40 (00120921)	4133923.43	478.32457 (00120921)	600709.56	4133925.21	470.72372
600716.72 (99070501)	4133927.00	462.14367 (00120921)	600343.59	4133980.54	561.70168
600338.95 (99070501)	4133986.32	572.74791 (99070501)	600334.31	4133992.11	582.01024
600320.38 (99070501)	4134009.47	599.71359 (99070501)	600315.74	4134015.25	602.51149
600311.09 (99070501)	4134021.04	603.87481 (99070501)	600306.45	4134026.82	603.92916
600301.81 (99070501)	4134032.61	602.71201 (99070501)	600297.17	4134038.40	600.33175
600292.52 (99070501)	4134044.18	596.82292 (99070501)	600287.88	4134049.97	592.21829
600283.24 (99070501)	4134055.75	586.50370 (99070501)	600278.59	4134061.54	579.67489
600329.47 (99070501)	4133960.52	569.85074 (99070501)	600335.82	4133956.93	556.54878
600342.16 (00082924)	4133953.34	541.28258 (99070501)	600348.51	4133949.75	525.82652
600354.86 (00082924)	4133946.15	523.66849 (00082924)	600361.20	4133942.56	519.82065
600367.55 (00082924)	4133938.97	514.18727 (00082924)	600373.90	4133935.38	506.74106
600380.24 (00082924)	4133931.79	497.44147 (00082924)	600386.59	4133928.20	486.23635
600392.94 (00082924)	4133924.61	473.14646 (00082924)	600399.28	4133921.02	458.20497
600418.32 (99072701)	4133910.24	455.74160 (99072701)	600424.67	4133906.65	458.50347
600431.02 (99072701)	4133903.06	459.68305 (99072701)	600437.36	4133899.47	459.14644
600443.71 (99072701)	4133895.88	456.89052 (99072701)	600450.06	4133892.29	452.85202
600456.40 (99072701)	4133888.70	447.00620 (99072701)	600462.75	4133885.11	439.32635
600469.10 (99101202)	4133881.51	429.83621 (99072701)	600475.44	4133877.92	423.00490

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600481.79	4133874.33	434.15846	(99101202)	600488.14	4133870.74	444.01449
(99101202)						
600494.48	4133867.15	452.39646	(99101202)	600500.83	4133863.56	458.48996
(99101202)						
600507.18	4133859.97	462.63082	(99101202)	600513.52	4133856.38	465.18661
(99101202)						
600526.95	4133854.55	465.10875	(99101202)	600534.02	4133856.31	461.78767
(99101202)						
600541.10	4133858.08	456.00568	(99101202)	600548.17	4133859.84	450.13945
(99082923)						
600555.25	4133861.61	446.62569	(99082923)	600562.32	4133863.37	453.19427
(98061824)						
600569.40	4133865.14	458.43670	(98061824)	600583.55	4133868.67	461.15888
(98061824)						
600590.63	4133870.43	458.56147	(98061824)	600597.70	4133872.19	453.84806
(98061824)						
600604.78	4133873.96	446.86903	(98061824)	600611.85	4133875.72	437.35033
(98061824)						
600618.93	4133877.49	434.90834	(99083023)	600626.00	4133879.25	438.61639
(99083023)						
600633.08	4133881.02	440.28034	(99083023)	600640.15	4133882.78	439.70128
(99083023)						
600647.23	4133884.54	436.96547	(99083023)	600654.31	4133886.31	431.99696
(99083023)						
600661.38	4133888.07	451.29310	(00120921)	600668.46	4133889.84	467.32874
(00120921)						
600675.53	4133891.60	479.05228	(00120921)	600682.61	4133893.37	486.60451
(00120921)						
600689.68	4133895.13	490.03043	(00120921)	600696.76	4133896.90	490.27098
(00120921)						
600703.84	4133898.66	487.15537	(00120921)	600710.91	4133900.42	481.78504
(00120921)						
600717.99	4133902.19	474.82766	(00120921)	600725.06	4133903.95	466.65829
(00120921)						
600732.14	4133905.72	457.55639	(00120921)	600323.12	4133964.11	581.20097
(99070501)						
600318.48	4133969.90	589.71608	(99070501)	600313.84	4133975.68	596.58377
(99070501)						
600299.91	4133993.04	607.76197	(99070501)	600295.26	4133998.82	608.55225
(99070501)						
600290.62	4134004.61	608.02779	(99070501)	600285.98	4134010.40	606.19437
(99070501)						
600281.34	4134016.18	603.17465	(99070501)	600276.69	4134021.97	598.94399
(99070501)						
600272.05	4134027.75	593.59131	(99070501)	600267.41	4134033.54	587.04027
(99070501)						
600262.76	4134039.32	579.34724	(99070501)	600258.12	4134045.11	570.45676
(99070501)						
600448.80	4134210.23	502.91920	(99070501)	600439.21	4134221.05	506.07107

(99070501)	600441.87	4134210.94	508.02638	(99070501)	600429.54	4134232.17	505.86622
(99070501)	600432.22	4134221.95	509.36473	(99070501)	600434.91	4134211.73	512.15606
(99070501)	600437.60	4134201.51	513.51905	(99070501)	600419.81	4134243.49	504.58465
(99070501)	600422.52	4134233.19	508.54383	(99070501)	600425.23	4134222.89	512.29603
(99070501)	600427.94	4134212.58	515.56804	(99070501)	600430.65	4134202.28	517.94274
(99070501)	600412.77	4134244.60	506.82720	(99070501)	600415.50	4134234.23	510.97282
(99070501)	600418.23	4134223.85	514.91117	(99070501)	600420.96	4134213.48	518.54251
(99070501)	600423.69	4134203.10	521.54922	(99070501)	600426.42	4134192.73	523.43045
(99070501)	600407.31	4134255.45	503.11279	(99070501)	600405.73	4134245.72	508.70343
(99070501)	600408.47	4134235.29	513.09604	(99070501)	600411.22	4134224.85	517.23044
(99070501)	600413.97	4134214.41	521.13353	(99070501)	600416.71	4134203.98	524.58467
(99070501)	600419.46	4134193.54	527.25065	(99070501)	600398.68	4134246.85	510.12982
(99070501)	600401.44	4134236.35	514.84738	(99070501)	600404.20	4134225.86	519.26049
(99070501)	600406.96	4134215.37	523.36969	(99070501)	600409.73	4134204.88	527.17338
(99070501)	600412.49	4134194.39	530.39969	(99070501)	600415.25	4134183.90	532.68218

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*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600387.38	4134238.52	516.80744	(99070501)	600390.16	4134227.94	521.96849
(99070501)						
600392.95	4134217.36	526.73993	(99070501)	600395.73	4134206.79	531.12570
(99070501)						
600398.51	4134196.21	535.14429	(99070501)	600401.30	4134185.63	538.61086
(99070501)						
600404.08	4134175.05	541.25540	(99070501)	600387.22	4134284.31	490.60333
(99070501)						
600381.18	4134275.10	495.06805	(99070501)	600375.14	4134265.89	500.14332
(99070501)						
600376.11	4134230.07	522.28359	(99070501)	600378.91	4134219.42	528.05108
(99070501)						
600381.71	4134208.77	533.29104	(99070501)	600384.52	4134198.12	538.05363
(99070501)						

600387.32 (99070501)	4134187.48	542.37981 (99070501)	600390.12	4134176.83	546.11919
600392.92 (99070501)	4134166.18	549.13376 (99070501)	600379.29	4134296.01	482.32488
600373.22 (99070501)	4134286.75	484.66211 (99070501)	600367.15	4134277.50	488.95286
600361.08 (99070501)	4134268.24	492.88380 (99070501)	600356.41	4134253.63	501.58730
600364.86 (99070501)	4134221.52	526.42794 (99070501)	600367.68	4134210.82	532.91801
600370.50 (99070501)	4134200.11	538.76286 (99070501)	600373.31	4134189.41	544.00267
600376.13 (99070501)	4134178.70	548.73631 (99070501)	600367.20	4134301.37	472.58991
600361.36 (99070501)	4134292.46	473.82092 (99070501)	600355.51	4134283.56	475.43211
600349.67 (99070501)	4134274.65	478.86257 (99070501)	600343.83	4134265.74	482.98359
600342.26 (99070501)	4134256.13	491.28484 (99070501)	600344.97	4134245.83	501.32182
600347.68 (99070501)	4134235.53	510.52205 (99070501)	600353.11	4134214.92	527.56330
600355.82 (99070501)	4134204.62	534.81870 (99070501)	600369.37	4134153.10	560.91143
600359.17 (99072702)	4134312.92	478.72195 (99072702)	600353.28	4134303.95	465.39793
600347.40 (99070501)	4134294.98	457.31009 (99070501)	600341.52	4134286.01	458.91517
600335.63 (99070501)	4134277.04	462.18504 (99070501)	600329.75	4134268.07	465.46173
600328.17 (99070501)	4134258.40	474.95760 (99070501)	600330.90	4134248.02	487.53813
600333.63 (99070501)	4134237.65	498.28249 (99070501)	600336.36	4134227.27	508.06418
600347.28 (99070501)	4134185.77	543.87615 (99070501)	600350.01	4134175.40	550.46105
600352.74 (99070501)	4134165.02	556.32691 (99070501)	600355.47	4134154.65	561.52759
600358.20 (99072702)	4134144.27	566.00162 (99070501)	600351.18	4134324.54	503.78930
600345.26 (99072702)	4134315.51	498.04988 (99072702)	600339.34	4134306.49	487.76332
600333.42 (99072702)	4134297.47	475.78167 (99072702)	600327.50	4134288.44	461.63885
600321.58 (98101902)	4134279.42	466.16590 (98101902)	600315.67	4134270.39	470.81013
600314.08 (98101902)	4134260.66	472.61049 (98101902)	600316.83	4134250.23	468.46284
600330.56 (99070501)	4134198.04	526.86436 (99070501)	600333.30	4134187.61	536.42154
600336.05 (99070501)	4134177.17	544.90390 (99070501)	600338.80	4134166.73	552.42048
600341.54 (99070501)	4134156.30	559.08091 (99070501)	600344.29	4134145.86	564.96243
600347.04 (99072702)	4134135.42	570.05559 (99070501)	600343.23	4134336.21	522.24973
600337.28 (99072702)	4134327.14	520.80573 (99072702)	600331.33	4134318.07	514.94197
600325.38 (99072702)	4134309.00	507.88756 (99072702)	600319.43	4134299.93	498.99529
600313.48 (98101902)	4134290.86	486.16410 (99072702)	600307.53	4134281.79	472.07707
600301.58 (99070501)	4134272.72	476.90625 (98101902)	600308.27	4134231.46	470.61305

600311.03 4134220.97 485.40379 (99070501) 600313.79 4134210.48 498.94934
 (99070501)

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600322.07	4134179.01	534.66250	(99070501)	600324.83	4134168.52	544.33616
(99070501)						
600327.59	4134158.03	552.88360	(99070501)	600330.35	4134147.54	560.46236
(99070501)						
600333.11	4134137.05	567.14601	(99070501)	600335.87	4134126.56	572.94397
(99070501)						
600326.15	4134353.89	569.23431	(98051224)	600320.21	4134344.83	554.98509
(99072702)						
600314.27	4134335.78	553.52471	(99072702)	600308.33	4134326.73	552.17946
(99072702)						
600302.39	4134317.67	550.00970	(99072702)	600296.45	4134308.62	543.58374
(99072702)						
600290.51	4134299.57	532.84055	(99072702)	600284.58	4134290.51	520.37380
(99072702)						
600274.08	4134267.17	492.19448	(98101902)	600276.83	4134256.70	489.81926
(98101902)						
600279.59	4134246.23	489.63282	(98101902)	600282.34	4134235.76	487.77986
(98101902)						
600285.10	4134225.29	483.40502	(98101902)	600287.85	4134214.81	473.48332
(98101902)						
600290.61	4134204.34	467.23639	(99070501)	600293.36	4134193.87	482.35673
(99070501)						
600301.63	4134162.46	527.42146	(99070501)	600304.39	4134151.99	539.39662
(99070501)						
600307.14	4134141.52	550.03843	(99070501)	600309.90	4134131.05	559.47759
(99070501)						
600312.65	4134120.57	567.82229	(99070501)	600315.41	4134110.10	575.11870
(99070501)						
600312.02	4134376.07	624.35964	(98051224)	600306.09	4134367.03	614.29519
(98051224)						
600300.16	4134357.99	600.52121	(98051224)	600294.23	4134348.95	583.10785
(98051224)						
600288.30	4134339.91	579.10434	(99072702)	600282.37	4134330.87	580.36573
(99072702)						
600276.44	4134321.83	579.53513	(99072702)	600270.51	4134312.79	575.75464
(99072702)						
600258.65	4134294.71	562.56816	(99072702)	600252.72	4134285.67	551.09995
(99072702)						
600248.17	4134271.40	515.67240	(99072702)	600250.92	4134260.94	499.08045
(98101902)						
600253.67	4134250.49	498.36739	(98101902)	600256.42	4134240.03	498.83616
(98101902)						
600259.17	4134229.58	497.72245	(98101902)	600261.92	4134219.12	494.73767
(98101902)						

(98101902)							
600264.67	4134208.67	489.09074	(98101902)	600267.43	4134198.21	480.03332	
(98101902)							
600270.18	4134187.75	465.36720	(98101902)	600272.93	4134177.30	463.42298	
(99070501)							
600281.18	4134145.93	514.20310	(99070501)	600283.93	4134135.48	528.65940	
(99070501)							
600294.94	4134093.65	572.67184	(99070501)	600293.69	4134391.85	655.08306	
(98051224)							
600287.62	4134382.60	651.97772	(98051224)	600281.56	4134373.35	644.79767	
(98051224)							
600275.49	4134364.10	633.02909	(98051224)	600269.42	4134354.85	617.58096	
(98051224)							
600263.35	4134345.60	598.51195	(98051224)	600257.29	4134336.35	599.23250	
(99072702)							
600239.08	4134308.60	595.55039	(99072702)	600233.02	4134299.35	589.78275	
(99072702)							
600226.95	4134290.10	581.54900	(99072702)	600222.29	4134275.50	552.57914	
(99072702)							
600225.11	4134264.80	519.82307	(99072702)	600227.92	4134254.11	501.97317	
(98101902)							
600230.74	4134243.41	504.78019	(98101902)	600233.55	4134232.71	506.04117	
(98101902)							
600236.37	4134222.01	505.59357	(98101902)	600239.18	4134211.31	503.25422	
(98101902)							
600242.00	4134200.62	498.74775	(98101902)	600244.81	4134189.92	489.01911	
(98101902)							
600247.63	4134179.22	474.76345	(98101902)	600258.89	4134136.43	482.98655	
(99070501)							
600261.70	4134125.73	501.47785	(99070501)	600264.52	4134115.03	518.30148	
(99070501)							
600267.33	4134104.33	533.47941	(99070501)	600270.15	4134093.63	547.13809	
(99070501)							
600272.96	4134082.94	559.32287	(99070501)	600275.78	4134072.24	570.16959	
(99070501)							
600279.66	4134414.18	675.62327	(98051224)	600273.61	4134404.96	678.05543	
(98051224)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 01/05/16

*** AERMET - VERSION 15181 ***
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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600267.56	4134395.73	678.59380	(98051224)	600261.51	4134386.51	675.97769
(98051224)						
600255.46	4134377.29	670.13460	(98051224)	600249.41	4134368.07	659.72951
(98051224)						
600243.36	4134358.85	645.74383	(98051224)	600237.31	4134349.63	628.29697
(98051224)						
600225.22	4134331.18	617.31596	(99072702)	600219.17	4134321.96	617.48919
(99072702)						

600213.12 (99072702)	4134312.74	615.75686 (99072702)	(99072702)	600207.07	4134303.52	612.01298
600201.02 (99072702)	4134294.30	604.73575 (99072702)	(99072702)	600196.38	4134279.74	581.03140
600199.18 (99072702)	4134269.08	554.51475 (99072702)	(99072702)	600201.99	4134258.41	523.19254
600204.80 (98101902)	4134247.75	504.28641 (98101902)	(98101902)	600207.60	4134237.08	508.49508
600210.41 (98101902)	4134226.42	510.93693 (98101902)	(98101902)	600221.64	4134183.76	495.55963
600224.44 (98101902)	4134173.09	483.48932 (98101902)	(98101902)	600227.25	4134162.43	470.46317
600230.06 (98101902)	4134151.76	457.61145 (98101902)	(98101902)	600232.86	4134141.10	442.05828
600238.48 (99070501)	4134119.77	457.93896 (99070501)	(99070501)	600241.28	4134109.10	478.70376
600244.09 (99070501)	4134098.44	497.87593 (99070501)	(99070501)	600246.90	4134087.77	515.43940
600249.70 (99070501)	4134077.11	531.39867 (99070501)	(99070501)	600252.51	4134066.44	545.87666
600255.32 (99070501)	4134055.78	558.90395 (99070501)	(99070501)	600374.52	4134301.25	477.37545
600337.14 (98051224)	4134348.56	547.43505 (98051224)	(98051224)	600323.13	4134366.30	598.51767
600318.45 (98051224)	4134372.22	612.97073 (98051224)	(98051224)	600309.11	4134384.05	636.58635
600304.44 (98051224)	4134389.96	645.60910 (98051224)	(98051224)	600290.42	4134407.70	664.93653
600271.73 (00082224)	4134431.36	686.28940 (00082224)	(00082224)	600267.06	4134437.27	707.48345
600234.35 (00082224)	4134478.67	825.92947 (00082224)	(00082224)	600229.68	4134484.58	836.27788
600225.01 (99091201)	4134490.49	849.94479 (99091201)	(99091201)	600201.64	4134520.06	933.80735
600196.97 (99091201)	4134525.98	940.18690 (99091201)	(99091201)	600192.30	4134531.89	944.36941
600187.63 (99091201)	4134537.80	946.39303 (99091201)	(99091201)	600182.95	4134543.72	946.22798
600336.21 (99072702)	4134338.22	531.75383 (99072702)	(99072702)	600331.54	4134344.14	541.41162
600317.52 (98051224)	4134361.88	594.49152 (98051224)	(98051224)	600303.50	4134379.62	635.99862
600298.83 (98051224)	4134385.53	646.04739 (98051224)	(98051224)	600289.49	4134397.36	661.85022
600284.81 (98051224)	4134403.27	668.28359 (98051224)	(98051224)	600266.12	4134426.93	687.00083
600261.45 (00082224)	4134432.84	691.35656 (00082224)	(00082224)	600242.76	4134456.50	770.76135
600238.09 (00082224)	4134462.41	788.04580 (00082224)	(00082224)	600233.42	4134468.32	803.96638
600228.75 (00082224)	4134474.24	818.15968 (00082224)	(00082224)	600210.06	4134497.89	852.91826
600205.38 (99091201)	4134503.81	871.81397 (99091201)	(99091201)	600200.71	4134509.72	893.58989
600196.04 (99091201)	4134515.64	912.46332 (99091201)	(99091201)	600191.37	4134521.55	929.22594
600330.61 (99072702)	4134333.79	534.70144 (99072702)	(99072702)	600325.93	4134339.71	545.19722
600316.59 (98051224)	4134351.53	571.06061 (98051224)	(98051224)	600311.92	4134357.45	589.51842
600297.90 (98051224)	4134375.19	634.69492 (98051224)	(98051224)	600283.88	4134392.93	663.85875
600279.21 (98051224)	4134398.84	671.09157 (98051224)	(98051224)	600260.52	4134422.50	691.93268

600255.85 (98051224)	4134428.41	694.97698 (98051224)		600251.18	4134434.33	696.85786
600246.50 (00082224)	4134440.24	717.22362 (00082224)		600241.83	4134446.16	737.58148
600237.16 (00082224)	4134452.07	757.06004 (00082224)		600232.49	4134457.98	775.41119
600227.81 (00082224)	4134463.90	792.66959 (00082224)		600209.12	4134487.55	843.87283

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFault CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600204.45 (00082224)	4134493.47	851.31193 (00082224)		600199.78	4134499.38	855.55454
600195.11 (99091201)	4134505.29	859.38472 (99091201)		600176.42	4134528.95	926.21968
600171.74 (99070501)	4134534.86	923.93397 (99091201)		600395.09	4134240.66	514.26035
600325.00 (98051224)	4134329.37	536.17330 (99072702)		600310.98	4134347.11	564.04313
600306.31 (98051224)	4134353.02	583.59719 (98051224)		600296.97	4134364.85	617.59223
600292.29 (98051224)	4134370.76	632.12224 (98051224)		600278.28	4134388.50	664.91319
600254.92 (98051224)	4134418.07	696.25738 (98051224)		600250.24	4134423.99	699.90059
600245.57 (98051224)	4134429.90	702.39594 (98051224)		600240.90	4134435.81	703.48608
600236.23 (00082224)	4134441.73	721.53773 (00082224)		600231.55	4134447.64	741.91101
600212.86 (00082224)	4134471.30	812.15568 (00082224)		600208.19	4134477.21	825.81996
600203.52 (00082224)	4134483.12	837.44622 (00082224)		600198.85	4134489.04	846.98812
600180.16 (99091201)	4134512.69	866.92256 (99091201)		600175.48	4134518.61	886.30228
600170.81 (99091201)	4134524.52	900.72769 (99091201)		600166.14	4134530.43	902.21374
600370.79 (99072702)	4134259.89	503.14420 (99070501)		600324.07	4134319.02	523.35945
600319.40 (99072702)	4134324.94	537.07240 (99072702)		600305.38	4134342.68	565.93724
600291.36 (98051224)	4134360.42	613.04526 (98051224)		600286.69	4134366.33	628.65259
600272.67 (98051224)	4134384.07	665.22783 (98051224)		600249.31	4134413.64	699.89197
600244.64 (00082224)	4134419.56	704.18790 (98051224)		600225.95	4134443.21	725.69152
600216.60	4134455.04	765.54548 (00082224)		600211.93	4134460.95	783.67813

(00082224)	600207.26	4134466.87	800.46099	(00082224)	600202.59	4134472.78	815.56447
(00082224)	600197.91	4134478.70	829.22171	(00082224)	600179.22	4134502.35	859.42902
(00082224)	600174.55	4134508.26	860.26556	(00082224)	600169.88	4134514.18	859.09485
(00082224)	600165.21	4134520.09	868.44905	(99091201)	600160.54	4134526.01	877.21136
(99091201)	600350.24	4134262.86	490.32368	(99070501)	600312.86	4134310.17	525.32950
(99072702)	600298.84	4134327.91	563.91572	(99072702)	600294.17	4134333.82	572.30203
(99072702)	600280.15	4134351.56	601.24865	(98051224)	600266.14	4134369.30	649.76848
(98051224)	600252.12	4134387.05	683.36833	(98051224)	600238.10	4134404.79	705.23410
(98051224)	600233.43	4134410.70	710.79455	(98051224)	600228.76	4134416.62	715.61481
(98051224)	600224.08	4134422.53	719.25312	(98051224)	600219.41	4134428.44	721.41555
(98051224)	600214.74	4134434.36	721.65066	(98051224)	600210.07	4134440.27	719.85303
(98051224)	600191.38	4134463.93	791.38082	(00082224)	600186.71	4134469.84	808.05356
(00082224)	600182.03	4134475.75	822.71246	(00082224)	600177.36	4134481.67	835.13785
(00082224)	600172.69	4134487.58	845.37829	(00082224)	600168.02	4134493.49	852.64298
(00082224)	600163.34	4134499.41	857.60937	(00082224)	600158.67	4134505.32	860.56074
(00082224)	600154.00	4134511.24	861.78742	(00082224)	600149.33	4134517.15	861.04911
(00082224)	600315.67	4134283.57	467.93870	(98101902)	600306.32	4134295.40	504.94405
(99072702)	600301.65	4134301.31	523.24281	(99072702)	600287.63	4134319.05	568.71442
(99072702)	600273.62	4134336.79	588.58522	(99072702)	600259.60	4134354.53	624.19460
(98051224)	600254.93	4134360.45	640.89390	(98051224)	600240.91	4134378.19	681.56730
(98051224)	600226.89	4134395.93	708.78998	(98051224)	600222.22	4134401.85	715.83617
(98051224)							

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** **

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600217.55	4134407.76	721.97172	(98051224)	600203.53	4134425.50	732.95659
(98051224)						

600194.19 (98051224)	4134437.33	732.67426 (98051224)	600189.51	4134443.24	722.59641
600184.84 (00082224)	4134449.16	741.37541 (00082224)	600180.17	4134455.07	761.76094
600175.50 (00082224)	4134460.98	781.02754 (00082224)	600170.82	4134466.90	798.37853
600166.15 (00082224)	4134472.81	812.65382 (00082224)	600161.48	4134478.72	825.16571
600156.81 (00082224)	4134484.64	835.96018 (00082224)	600152.13	4134490.55	844.79421
600147.46 (00082224)	4134496.47	851.65327 (00082224)	600142.79	4134502.38	857.01945
600138.12 (98101902)	4134508.29	860.41450 (00082224)	600299.79	4134280.63	475.65914
600295.11 (99072702)	4134286.54	495.43391 (99072702)	600281.10	4134304.28	552.78964
600267.08 (99072702)	4134322.02	586.50476 (99072702)	600262.41	4134327.94	593.03143
600248.39 (98051224)	4134345.68	609.95324 (98051224)	600234.37	4134363.42	661.42814
600229.70 (98051224)	4134369.33	675.57376 (98051224)	600215.68	4134387.07	709.14650
600211.01 (98051224)	4134392.99	717.89554 (98051224)	600206.34	4134398.90	725.61533
600201.67 (98051224)	4134404.82	732.28529 (98051224)	600196.99	4134410.73	737.68607
600192.32 (98051224)	4134416.64	742.05803 (98051224)	600187.65	4134422.56	741.87335
600182.98 (98051224)	4134428.47	733.13408 (98051224)	600178.30	4134434.39	722.31759
600173.63 (00082224)	4134440.30	710.98222 (98051224)	600168.96	4134446.21	726.64748
600164.29 (00082224)	4134452.13	746.53792 (00082224)	600159.61	4134458.04	765.26897
600154.94 (00082224)	4134463.95	782.73243 (00082224)	600150.27	4134469.87	798.37816
600145.60 (00082224)	4134475.78	812.09761 (00082224)	600140.92	4134481.70	824.12635
600136.25 (00082224)	4134487.61	834.26308 (00082224)	600131.58	4134493.52	842.92321
600126.91 (99070501)	4134499.44	849.77926 (00082224)	600370.82	4134144.64	563.79520
600342.78 (98101902)	4134180.12	545.82040 (99070501)	600300.73	4134233.35	474.16915
600296.06 (98101902)	4134239.26	480.57284 (98101902)	600291.39	4134245.17	484.14394
600286.71 (99072702)	4134251.09	486.34562 (98101902)	600268.02	4134274.74	503.32195
600263.35 (99072702)	4134280.66	527.28056 (99072702)	600249.33	4134298.40	575.95401
600244.66 (99072702)	4134304.31	587.04911 (99072702)	600235.32	4134316.14	604.22479
600230.64 (99072702)	4134322.05	610.67960 (99072702)	600216.63	4134339.79	623.41506
600211.95 (98051224)	4134345.71	635.51729 (98051224)	600207.28	4134351.62	653.47876
600193.26 (98051224)	4134369.36	698.95918 (98051224)	600188.59	4134375.28	710.95340
600183.92 (98051224)	4134381.19	721.99372 (98051224)	600179.25	4134387.10	732.13714
600174.58 (98051224)	4134393.02	741.04512 (98051224)	600169.90	4134398.93	744.27281
600165.23 (98051224)	4134404.85	741.64020 (98051224)	600160.56	4134410.76	738.96233

600155.89 (98051224)	4134416.67	735.89695 (98051224)	600151.21	4134422.59	732.70053
600146.54 (98051224)	4134428.50	727.90558 (98051224)	600141.87	4134434.41	721.78386
600137.20 (00082224)	4134440.33	714.13589 (98051224)	600132.52	4134446.24	708.65144
600127.85 (00082224)	4134452.16	727.94445 (00082224)	600123.18	4134458.07	746.23071
600118.51 (99070501)	4134463.98	762.97871 (00082224)	600359.61	4134135.78	569.22555
600331.57 (99070501)	4134171.26	546.49228 (99070501)	600308.21	4134200.83	500.14387
600303.54 (99070501)	4134206.75	488.00137 (99070501)	600298.87	4134212.66	474.41173

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 01/05/16

*** AERMET - VERSION 15181 ***
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**MODELOPTs: RegDFault CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600294.19 (98101902)	4134218.58	471.48331 (98101902)	600270.83	4134248.14	493.07900
600266.16 (98101902)	4134254.06	493.98292 (98101902)	600261.49	4134259.97	496.23571
600256.81 (99072702)	4134265.89	498.92805 (98101902)	600242.80	4134283.63	555.05318
600238.12 (99072702)	4134289.54	571.58253 (99072702)	600224.11	4134307.28	604.48321
600210.09 (99072702)	4134325.02	623.83341 (99072702)	600205.42	4134330.94	628.03839
600200.75 (98051224)	4134336.85	629.06082 (99072702)	600196.07	4134342.76	638.64957
600182.06 (98051224)	4134360.51	689.84243 (98051224)	600177.38	4134366.42	703.52660
600172.71 (98051224)	4134372.33	715.68253 (98051224)	600168.04	4134378.25	727.08510
600163.37 (98051224)	4134384.16	738.07600 (98051224)	600158.69	4134390.08	740.65948
600154.02 (98051224)	4134395.99	739.86218 (98051224)	600149.35	4134401.90	738.43716
600144.68 (98051224)	4134407.82	735.58718 (98051224)	600140.00	4134413.73	736.19523
600135.33 (98051224)	4134419.64	735.24641 (98051224)	600130.66	4134425.56	732.03546
600125.99 (98051224)	4134431.47	726.43255 (98051224)	600121.31	4134437.39	718.26951
600116.64 (00082224)	4134443.30	710.81009 (98051224)	600111.97	4134449.21	708.06569
600107.30 (00082224)	4134455.13	726.68400 (00082224)	600102.62	4134461.04	744.41670
600097.95	4134466.95	761.07771 (00082224)	600093.28	4134472.87	776.71381

(00082224)	600348.40	4134126.93	573.61260	(99070501)	600320.36	4134162.41	545.52321
(99070501)	600315.69	4134168.32	537.38201	(99070501)	600311.02	4134174.24	527.97433
(99070501)	600282.98	4134209.72	473.15781	(98101902)	600278.31	4134215.63	481.98836
(98101902)	600273.64	4134221.55	488.78680	(98101902)	600268.97	4134227.46	493.07656
(98101902)	600240.93	4134262.94	501.14571	(98101902)	600236.26	4134268.86	520.63440
(99072702)	600231.59	4134274.77	542.00990	(99072702)	600226.92	4134280.68	561.63371
(99072702)	600217.57	4134292.51	592.18788	(99072702)	600212.90	4134298.43	602.93058
(99072702)	600203.55	4134310.25	619.67664	(99072702)	600198.88	4134316.17	622.45194
(99072702)	600194.21	4134322.08	624.78711	(99072702)	600189.54	4134327.99	625.41660
(99072702)	600184.86	4134333.91	625.10845	(99072702)	600170.85	4134351.65	674.27029
(98051224)	600166.17	4134357.56	692.53197	(98051224)	600161.50	4134363.48	707.81143
(98051224)	600156.83	4134369.39	720.74059	(98051224)	600152.16	4134375.30	731.29979
(98051224)	600147.48	4134381.22	735.02111	(98051224)	600142.81	4134387.13	736.06638
(98051224)	600138.14	4134393.05	737.70438	(98051224)	600133.47	4134398.96	738.98557
(98051224)	600128.79	4134404.87	739.73674	(98051224)	600124.12	4134410.79	740.26938
(98051224)	600119.45	4134416.70	739.28896	(98051224)	600114.78	4134422.62	736.06078
(98051224)	600110.10	4134428.53	731.57584	(98051224)	600105.43	4134434.44	726.33981
(98051224)	600100.76	4134440.36	720.35179	(98051224)	600096.09	4134446.27	710.71315
(98051224)	600091.42	4134452.18	706.69406	(00082224)	600086.74	4134458.10	725.12381
(00082224)	600082.07	4134464.01	742.37485	(00082224)	600332.47	4134104.74	582.01149
(99070501)	600327.80	4134110.65	578.79899	(99070501)	600323.13	4134116.57	574.68897
(99070501)	600299.77	4134146.13	539.24221	(99070501)	600295.09	4134152.05	528.55787
(99070501)	600290.42	4134157.96	516.44833	(99070501)	600262.39	4134193.45	480.82379
(98101902)	600257.71	4134199.36	489.14465	(98101902)	600253.04	4134205.27	494.77238
(98101902)							

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** **

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3

**

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600248.37 (98101902)	4134211.19	499.18204	(98101902)	600243.70	4134217.10	502.48510
600220.34 (98101902)	4134246.67	504.98606	(98101902)	600215.66	4134252.58	502.84256
600210.99 (99072702)	4134258.50	514.61367	(99072702)	600206.32	4134264.41	536.44055
600187.63 (99072702)	4134288.07	596.97863	(99072702)	600182.96	4134293.98	603.76919
600178.28 (99072702)	4134299.89	608.98265	(99072702)	600173.61	4134305.81	613.42837
600168.94 (99072702)	4134311.72	618.42288	(99072702)	600164.27	4134317.63	622.91035
600150.25 (98051224)	4134335.38	640.64391	(98051224)	600145.58	4134341.29	659.31860
600140.90 (98051224)	4134347.20	675.39027	(98051224)	600136.23	4134353.12	688.18457
600131.56 (98051224)	4134359.03	699.52166	(98051224)	600126.89	4134364.95	709.97971
600122.21 (98051224)	4134370.86	718.34253	(98051224)	600117.54	4134376.77	725.16412
600112.87 (98051224)	4134382.69	731.04318	(98051224)	600108.20	4134388.60	737.52779
600103.53 (98051224)	4134394.51	742.28948	(98051224)	600098.85	4134400.43	745.14997
600094.18 (98051224)	4134406.34	745.97775	(98051224)	600089.51	4134412.26	747.01030
600084.84 (98051224)	4134418.17	747.68193	(98051224)	600080.16	4134424.08	748.71939
600075.49 (98051224)	4134430.00	747.56348	(98051224)	600070.82	4134435.91	741.53415
600066.15 (98051224)	4134441.82	727.63107	(98051224)	600061.47	4134447.74	711.46730
600291.28 (99070501)	4134072.19	582.76640	(99070501)	600286.61	4134078.11	575.94657
600281.93 (99070501)	4134084.02	568.01108	(99070501)	600277.26	4134089.93	558.84973
600253.90 (99070501)	4134119.50	493.16844	(99070501)	600249.23	4134125.42	475.69834
600216.52 (98101902)	4134166.81	481.17933	(98101902)	600211.85	4134172.73	490.01627
600207.18 (98101902)	4134178.64	497.79612	(98101902)	600202.50	4134184.55	504.56684
600197.83 (98101902)	4134190.47	510.34787	(98101902)	600193.16	4134196.38	515.16598
600188.49 (98101902)	4134202.29	515.97870	(98101902)	600183.81	4134208.21	515.72609
600179.14 (98101902)	4134214.12	514.40122	(98101902)	600174.47	4134220.04	511.96885
600169.80 (98101902)	4134225.95	508.41364	(98101902)	600165.12	4134231.86	503.66237
600160.45 (99072702)	4134237.78	508.78968	(99072702)	600155.78	4134243.69	528.68823
600151.11 (99072702)	4134249.61	546.86666	(99072702)	600146.43	4134255.52	563.30085
600141.76 (99072702)	4134261.43	577.98414	(99072702)	600137.09	4134267.35	590.97349
600132.42 (99072702)	4134273.26	602.35179	(99072702)	600127.74	4134279.17	612.23811
600123.07 (99072702)	4134285.09	620.67642	(99072702)	600109.06	4134302.83	636.93792

600104.38 (99072702)	4134308.74	637.85716 (99072702)	600099.71	4134314.66	635.78279
600095.04 (98051224)	4134320.57	632.60141 (99072702)	600090.37	4134326.48	632.56976
600085.69 (98051224)	4134332.40	648.83876 (98051224)	600081.02	4134338.31	666.45565
600076.35 (98051224)	4134344.23	685.00301 (98051224)	600071.68	4134350.14	701.78962
600067.00 (98051224)	4134356.05	717.83241 (98051224)	600062.33	4134361.97	732.51465
600057.66 (98051224)	4134367.88	745.73437 (98051224)	600052.99	4134373.79	756.65109
600048.31 (98051224)	4134379.71	769.41702 (98051224)	600043.64	4134385.62	774.42835
600038.97 (98051224)	4134391.54	776.34281 (98051224)	600034.30	4134397.45	776.27983
600029.62 (98051224)	4134403.36	774.11371 (98051224)	600024.95	4134409.28	769.92221
600020.28 (99070501)	4134415.19	763.54080 (98051224)	600270.68	4134055.92	576.19981

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** **

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600266.01 (99070501)	4134061.83	567.27937 (99070501)	600261.34	4134067.75	557.09616
600256.66 (99070501)	4134073.66	545.60787 (99070501)	600233.30	4134103.23	467.81502
600228.63 (98101902)	4134109.14	448.17405 (99070501)	600214.61	4134126.88	441.95227
600209.94 (98101902)	4134132.80	453.94803 (98101902)	600205.27	4134138.71	464.58832
600200.60 (98101902)	4134144.62	473.89494 (98101902)	600195.92	4134150.54	481.89230
600191.25 (98101902)	4134156.45	488.59742 (98101902)	600186.58	4134162.37	494.06285
600181.91 (98101902)	4134168.28	499.17471 (98101902)	600177.23	4134174.19	504.91796
600172.56 (98101902)	4134180.11	509.65492 (98101902)	600167.89	4134186.02	513.38200
600163.22 (98101902)	4134191.94	516.06001 (98101902)	600158.54	4134197.85	516.68298
600153.87 (98101902)	4134203.76	514.18760 (98101902)	600149.20	4134209.68	510.49767
600144.53 (98101902)	4134215.59	505.57720 (98101902)	600139.85	4134221.50	499.36302
600135.18 (99072702)	4134227.42	505.04526 (99072702)	600130.51	4134233.33	525.25515
600125.84	4134239.25	543.90483 (99072702)	600121.16	4134245.16	560.91150

(99072702)							
600116.49	4134251.07	576.23980	(99072702)	600111.82	4134256.99	589.97438	
(99072702)							
600107.15	4134262.90	602.12139	(99072702)	600102.48	4134268.81	612.73734	
(99072702)							
600088.46	4134286.56	636.13589	(99072702)	600083.79	4134292.47	637.61269	
(99072702)							
600079.11	4134298.38	639.00722	(99072702)	600074.44	4134304.30	639.73911	
(99072702)							
600069.77	4134310.21	640.95461	(99072702)	600065.10	4134316.12	641.37078	
(99072702)							
600060.42	4134322.04	643.82739	(98051224)	600055.75	4134327.95	665.32451	
(98051224)							
600051.08	4134333.87	685.19101	(98051224)	600046.41	4134339.78	703.80566	
(98051224)							
600041.73	4134345.69	721.38900	(98051224)	600037.06	4134351.61	734.32439	
(98051224)							
600032.39	4134357.52	745.75757	(98051224)	600027.72	4134363.44	755.40012	
(98051224)							
600023.04	4134369.35	763.33692	(98051224)	600018.37	4134375.26	769.45677	
(98051224)							
600013.70	4134381.18	773.53654	(98051224)	600009.03	4134387.09	775.67772	
(98051224)							
600004.35	4134393.00	775.79273	(98051224)	599999.68	4134398.92	773.81003	
(98051224)							
600180.65	4134609.15	835.19063	(99092102)	600178.12	4134600.06	872.73017	
(99092102)							
600173.84	4134611.14	838.70030	(99092102)	600167.67	4134623.27	816.42434	
(00092001)							
600157.52	4134605.56	880.96261	(99092102)	600159.71	4134594.69	905.91239	
(99092102)							
600168.46	4134551.18	923.71592	(99091201)	600153.34	4134617.05	847.34545	
(99092102)							
600150.65	4134607.42	882.86310	(99092102)	600152.87	4134596.42	907.47012	
(99092102)							
600155.08	4134585.42	921.63009	(99092102)	600163.93	4134541.43	909.83286	
(99091201)							
600150.32	4134623.18	827.65919	(99092102)	600143.78	4134609.28	884.45033	
(99092102)							
600146.02	4134598.18	908.62492	(99092102)	600148.25	4134587.08	922.54255	
(99092102)							
600157.19	4134542.66	894.92940	(99091201)	600147.32	4134638.76	812.64927	
(00092001)							
600139.95	4134630.72	812.98181	(99092102)	600132.59	4134622.69	854.56287	
(99092102)							
600129.98	4134613.33	885.85024	(99092102)	600132.13	4134602.64	907.90071	
(99092102)							
600134.28	4134591.95	921.06905	(99092102)	600136.43	4134581.27	924.68224	
(99092102)							
600138.58	4134570.58	918.56432	(99092102)	600145.03	4134538.52	860.78334	
(99091201)							
600147.18	4134527.84	853.10428	(00082224)	600141.38	4134651.13	805.30085	
(00092001)							
600133.89	4134642.95	810.20872	(00092001)	600126.39	4134634.77	817.75267	
(99092102)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

A-1382

INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI		IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
(YYMMDDHH)							
600118.89	4134626.59	857.56682	(99092102)	600116.24	4134617.06	887.22887	
(99092102)							
600118.43	4134606.19	907.86828	(99092102)	600120.61	4134595.31	919.55949	
(99092102)							
600122.80	4134584.43	921.96860	(99092102)	600124.99	4134573.56	915.02425	
(99092102)							
600127.18	4134562.68	899.16857	(99092102)	600133.74	4134530.05	853.79512	
(00082224)							
600135.93	4134519.17	861.44553	(00082224)	600131.80	4134659.53	793.83735	
(00092001)							
600124.20	4134651.23	802.62694	(00092001)	600116.59	4134642.93	799.49496	
(99092102)							
600108.99	4134634.63	842.00723	(99092102)	600102.49	4134620.82	887.75418	
(99092102)							
600104.71	4134609.78	906.90367	(99092102)	600106.93	4134598.75	917.16912	
(99092102)							
600109.15	4134587.71	918.24995	(99092102)	600111.37	4134576.68	910.37950	
(99092102)							
600113.59	4134565.64	893.75501	(99092102)	600115.81	4134554.61	868.81642	
(99092102)							
600122.47	4134521.51	860.89575	(00082224)	600124.69	4134510.47	859.50419	
(00082224)							
600126.10	4134672.16	779.36906	(99093001)	600118.41	4134663.76	788.65441	
(00092001)							
600110.71	4134655.36	792.15284	(00092001)	600103.01	4134646.96	803.84261	
(99092102)							
600095.32	4134638.57	844.57928	(99092102)	600088.74	4134624.59	887.67702	
(99092102)							
600090.99	4134613.42	905.14554	(99092102)	600093.24	4134602.25	914.09328	
(99092102)							
600095.48	4134591.08	913.86530	(99092102)	600097.73	4134579.92	904.58451	
(99092102)							
600099.97	4134568.75	886.90501	(99092102)	600102.22	4134557.58	861.20765	
(99092102)							
600104.47	4134546.42	833.54613	(00082224)	600111.21	4134512.91	858.17435	
(00082224)							
600113.45	4134501.75	848.63082	(00082224)	600199.82	4134741.14	895.31353	
(00052102)							
600115.09	4134678.99	770.53508	(99093001)	600107.59	4134670.81	778.41691	
(00092001)							
600100.10	4134662.63	780.30438	(00092001)	600092.60	4134654.45	789.15710	
(99092102)							
600085.10	4134646.27	830.31108	(99092102)	600077.61	4134638.09	862.80816	
(99092102)							
600074.95	4134628.56	886.33946	(99092102)	600077.14	4134617.69	902.13349	
(99092102)							
600079.33	4134606.81	910.04306	(99092102)	600081.52	4134595.93	909.55312	
(99092102)							
600083.70	4134585.06	900.75537	(99092102)	600085.89	4134574.18	884.02818	
(99092102)							
600088.08	4134563.30	859.95877	(99092102)	600090.27	4134552.43	828.67375	
(99092102)							
600092.46	4134541.55	842.26488	(00082224)	600094.64	4134530.67	853.21234	
(00082224)							

600194.81 (99093001)	4134754.51	900.47248 (00052102)	600113.15	4134695.73	775.70442
600105.57 (00092001)	4134687.46	765.63268 (99093001)	600098.00	4134679.19	769.20678
600090.42 (99092102)	4134670.92	771.82945 (00092001)	600082.84	4134662.65	770.11187
600075.26 (99092102)	4134654.38	813.13282 (99092102)	600067.68	4134646.11	848.39263
600061.20 (99092102)	4134632.34	884.73720 (99092102)	600063.42	4134621.34	899.32003
600065.63 (99092102)	4134610.34	905.82155 (99092102)	600067.84	4134599.34	904.26964
600070.05 (99092102)	4134588.35	894.31840 (99092102)	600072.26	4134577.35	876.43967
600074.48 (99092102)	4134566.35	851.14273 (99092102)	600076.69	4134555.35	819.58403
600078.90 (00082224)	4134544.35	837.98187 (00082224)	600089.96	4134489.36	817.21580
600189.79 (99093001)	4134767.89	903.87261 (00052102)	600103.73	4134704.29	767.02291
600096.08 (00092001)	4134695.94	757.83018 (99093001)	600088.42	4134687.59	760.04306
600080.77 (00092001)	4134679.24	765.31821 (00092001)	600073.12	4134670.89	759.10068
600065.47 (99092102)	4134662.54	795.18563 (99092102)	600057.81	4134654.19	832.79447

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** *** ***
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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600050.16 (99092102)	4134645.84	861.91181 (99092102)	600047.45	4134636.12	882.46915
600049.69 (99092102)	4134625.01	895.86495 (99092102)	600051.92	4134613.91	901.16652
600054.15 (99092102)	4134602.81	898.41916 (99092102)	600056.39	4134591.70	887.56506
600058.62 (99092102)	4134580.60	868.70535 (99092102)	600060.85	4134569.50	842.46250
600063.09 (00082224)	4134558.39	813.01060 (00082224)	600078.72	4134480.67	790.20664
600174.11 (00052102)	4134777.27	894.91981 (00052102)	600184.78	4134781.27	905.29295
600155.71 (99093001)	4134795.65	886.56730 (00052102)	600086.46	4134720.08	750.82702
600078.76 (00092001)	4134711.69	743.31569 (99093001)	600071.07	4134703.29	737.19789
600063.37 (00092001)	4134694.89	747.87841 (00092001)	600055.68	4134686.50	749.25945
600047.98	4134678.10	758.12773 (99092102)	600040.29	4134669.70	799.42402

(99092102)							
600032.59	4134661.31	833.34229	(99092102)	600024.90	4134652.91	858.93112	
(99092102)							
600022.17	4134643.13	876.79107	(99092102)	600024.42	4134631.97	888.04277	
(99092102)							
600026.66	4134620.80	891.44606	(99092102)	600028.91	4134609.64	887.09902	
(99092102)							
600031.15	4134598.47	875.05962	(99092102)	600042.38	4134542.64	835.75634	
(00082224)							
600044.63	4134531.48	841.80387	(00082224)	600046.88	4134520.31	839.78443	
(00082224)							
600058.10	4134464.49	728.86377	(00082224)	600164.89	4134801.84	898.17059	
(00052102)							
600175.56	4134805.84	903.50879	(00052102)	600146.57	4134820.31	889.50366	
(00052102)							
600139.03	4134812.08	877.02446	(00052102)	600071.17	4134738.03	733.22328	
(99093001)							
600063.63	4134729.81	730.97788	(99093001)	600056.09	4134721.58	719.10965	
(99093001)							
600048.54	4134713.35	723.44683	(00092001)	600041.00	4134705.12	730.90745	
(00092001)							
600033.46	4134696.90	729.98638	(00092001)	600025.92	4134688.67	746.39121	
(99092102)							
600018.38	4134680.44	786.13952	(99092102)	600010.84	4134672.21	819.17969	
(99092102)							
600003.30	4134663.99	844.68450	(99092102)	599996.86	4134650.29	869.28036	
(99092102)							
599999.06	4134639.35	878.54345	(99092102)	600001.26	4134628.41	880.62542	
(99092102)							
600010.07	4134584.64	819.96815	(99092102)	600012.27	4134573.70	789.25545	
(99092102)							
600014.47	4134562.76	805.90886	(00082224)	600016.67	4134551.82	822.27885	
(00082224)							
600018.87	4134540.88	831.59337	(00082224)	600021.07	4134529.94	833.82775	
(00082224)							
600023.27	4134518.99	828.74157	(00082224)	600025.47	4134508.05	816.83247	
(00082224)							
600027.67	4134497.11	798.71923	(00082224)	600038.68	4134442.41	718.17984	
(98051224)							
600155.67	4134826.42	895.76566	(00052102)	600166.34	4134830.42	896.04867	
(00052102)							
600137.33	4134844.86	868.62149	(00052102)	600129.75	4134836.59	862.45079	
(00052102)							
600053.90	4134753.83	716.25242	(99093001)	600046.32	4134745.56	714.24464	
(99093001)							
600038.73	4134737.28	704.24598	(99093001)	600031.15	4134729.01	700.97404	
(00092001)							
600023.57	4134720.73	710.98562	(00092001)	600015.98	4134712.46	713.29569	
(00092001)							
600008.40	4134704.18	708.38916	(99092102)	600000.81	4134695.90	750.69016	
(99092102)							
599993.23	4134687.63	787.36144	(99092102)	599985.64	4134679.35	817.31978	
(99092102)							
599978.06	4134671.08	839.78387	(99092102)	599980.44	4134613.28	849.48530	
(99092102)							
599982.65	4134602.28	830.17486	(99092102)	599984.86	4134591.27	805.04330	
(99092102)							
599987.08	4134580.27	775.72682	(99091201)	599989.29	4134569.26	792.96699	
(00082224)							
599991.50	4134558.26	810.37230	(00082224)	599993.72	4134547.25	821.09656	
(00082224)							

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
599995.93 (00082224)	4134536.25	824.88277 (00082224)		599998.14	4134525.24	821.81949
600018.07 (00052102)	4134426.20	747.17935 (98051224)		600146.46	4134851.00	868.81203
600157.12 (00052102)	4134855.00	869.30090 (00052102)		600128.10	4134869.42	841.08039
600120.48 (00052102)	4134861.11	847.20937 (00052102)		600112.85	4134852.79	844.48869
600036.64 (99093001)	4134769.63	702.76564 (00022821)		600029.02	4134761.32	698.47720
600021.40 (00092001)	4134753.00	690.22619 (99093001)		600013.78	4134744.69	677.15902
600006.16 (00092001)	4134736.37	689.48334 (00092001)		599998.54	4134728.06	695.56740
599990.91 (99092102)	4134719.74	693.15341 (00092001)		599983.29	4134711.42	713.82866
599975.67 (99092102)	4134703.11	753.16771 (99092102)		599968.05	4134694.79	786.80383
599960.43 (99092102)	4134686.48	813.81011 (99092102)		599950.75	4134642.20	855.92546
599952.97 (99092102)	4134631.14	848.65905 (99092102)		599955.20	4134620.08	835.02052
599957.42 (99092102)	4134609.03	815.35085 (99092102)		599959.64	4134597.97	790.05058
599961.87 (00082224)	4134586.91	772.01436 (99091201)		599964.09	4134575.85	779.03571
599966.32 (00082224)	4134564.79	797.49031 (00082224)		599968.54	4134553.73	809.48991
599970.77 (00082224)	4134542.68	814.83770 (00082224)		599972.99	4134531.62	813.62387
599975.21 (98051224)	4134520.56	805.86136 (00082224)		599997.46	4134409.98	765.41439
600137.24 (00052102)	4134875.58	834.11678 (00052102)		600147.91	4134879.58	828.08324
600234.60 (99091201)	4134518.59	947.23199 (99091201)		600240.83	4134506.74	930.07272
600368.01 (98051224)	4134352.14	527.79692 (98051224)		600360.52	4134362.73	559.27755
600246.44 (99091201)	4134527.32	948.69283 (99091201)		600253.92	4134517.34	946.50505
600364.27 (98051224)	4134369.59	566.47385 (98051224)		600373.62	4134358.99	536.33008
600612.70 (99122817)	4134331.32	518.41442 (99122817)		600644.75	4134278.94	534.50542
600664.13 (99122817)	4134289.94	544.35888 (99122817)		600632.79	4134344.48	515.38708
600622.27 (99122817)	4134338.26	516.91411 (99122817)		600627.53	4134305.73	528.96721

600647.14 (99122817)	4134318.88	532.86480 (99122817)		600619.87	4134318.88	525.78922
600640.45 (99122817)	4134331.08	524.74674 (99122817)		600629.20	4134325.58	525.30312
600636.62 (99122817)	4134312.42	531.91762 (99122817)		600636.14	4134292.33	531.39884
600646.90 (99122817)	4134298.07	535.88543 (99122817)		600656.23	4134303.81	538.76662
600654.56 (99122817)	4134283.24	539.28540 (99122817)		600589.73	4134278.46	487.51581
600239.00 (99093001)	4134588.00	883.58122 (00092001)		600255.00	4134594.00	836.97769
600336.00 (99101923)	4134493.00	844.52164 (99091201)		600461.00	4134590.00	757.98439
600456.00 (99101923)	4134597.00	756.67042 (98042102)		600489.00	4134621.00	874.46929
600494.00 (00101801)	4134621.00	874.64518 (99101923)		600498.00	4134619.00	872.18344
600669.00 (98111601)	4134414.00	427.07427 (98111601)		600672.00	4134406.00	434.66295
600672.00 (99122817)	4134400.00	435.66302 (98111601)		600668.00	4134391.00	455.12672
600665.00 (99122817)	4134386.00	470.28225 (99122817)		600593.00	4134329.00	512.50997
600545.00 (98121709)	4134299.00	441.14533 (99122817)		600514.00	4134275.00	434.84683
600562.00 (00120921)	4134215.00	396.77167 (99083023)		600586.00	4134173.00	415.27255
600561.00 (98071202)	4134155.00	484.99447 (99083023)		600496.00	4134236.00	453.07766
600510.00 (98121709)	4134245.00	439.09767				

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** **

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600272.44 (00122924)	4134683.22	216.29780 (00122924)		600265.29	4134682.89	217.57979
600258.14 (00122924)	4134682.57	217.28491 (00122924)		600274.64	4134690.12	216.22030
600260.95 (00122924)	4134689.50	218.86484 (00122924)		600247.26	4134688.88	217.41700
600291.16 (00122924)	4134700.33	210.67538 (00122924)		600278.23	4134703.89	215.41320
600271.19 (00122924)	4134703.57	217.97944 (00122924)		600264.15	4134703.25	220.34169
600257.11 (00122924)	4134702.93	221.24341 (00122924)		600250.07	4134702.61	221.62617
600243.03	4134702.29	221.62484 (00122924)		600235.99	4134701.97	221.08761

(00122924)							
600301.10	4134710.06	204.59434	(98122624)	600295.07	4134714.02	207.45325	
(98122624)							
600281.85	4134717.65	213.11834	(98122624)	600274.65	4134717.33	215.98985	
(98122624)							
600267.45	4134717.00	218.70131	(98122624)	600260.25	4134716.67	220.81116	
(98122624)							
600253.05	4134716.35	222.20319	(98122624)	600245.85	4134716.02	222.92802	
(98122624)							
600238.65	4134715.69	223.26179	(00122924)	600231.45	4134715.37	223.57556	
(00122924)							
600224.25	4134715.04	223.71728	(00122924)	600311.24	4134719.66	199.39500	
(98122624)							
600305.10	4134723.69	201.94543	(98122624)	600298.97	4134727.72	204.97896	
(98122624)							
600285.50	4134731.42	211.76546	(98122624)	600278.17	4134731.09	214.62024	
(98122624)							
600270.84	4134730.76	217.40866	(98122624)	600263.50	4134730.42	219.95405	
(98122624)							
600256.17	4134730.09	221.81826	(98122624)	600248.84	4134729.76	223.45086	
(98122624)							
600241.50	4134729.43	224.43683	(98122624)	600234.17	4134729.09	225.13357	
(98122624)							
600226.84	4134728.76	226.21413	(98122624)	600219.51	4134728.43	227.11292	
(98122624)							
600212.17	4134728.09	227.59646	(98122624)	600321.53	4134729.16	193.16515	
(98122624)							
600315.30	4134733.25	195.37697	(98122624)	600309.08	4134737.34	197.99705	
(98122624)							
600302.85	4134741.44	200.86131	(98122624)	600289.17	4134745.19	208.63547	
(98122624)							
600281.73	4134744.86	211.91545	(98122624)	600274.28	4134744.52	215.10993	
(98122624)							
600266.83	4134744.18	218.05874	(98122624)	600259.39	4134743.84	220.54269	
(98122624)							
600251.94	4134743.50	222.85564	(98122624)	600244.50	4134743.17	224.56411	
(98122624)							
600237.05	4134742.83	226.02406	(98122624)	600229.61	4134742.49	227.43262	
(98122624)							
600222.16	4134742.15	229.30801	(98122624)	600214.71	4134741.81	230.79841	
(98122624)							
600207.27	4134741.48	229.11297	(98122624)	600331.95	4134738.57	185.27854m	
(00090724)							
600325.64	4134742.72	187.25355m	(00090724)	600319.33	4134746.87	189.18129	
(98122624)							
600313.02	4134751.01	191.64413	(98122624)	600306.71	4134755.16	194.50483	
(98122624)							
600292.86	4134758.96	203.54802	(98122624)	600285.32	4134758.62	207.62729	
(98122624)							
600277.77	4134758.28	211.28943	(98122624)	600270.23	4134757.94	214.83534	
(98122624)							
600262.69	4134757.60	218.10201	(98122624)	600255.15	4134757.25	220.88049	
(98122624)							
600247.60	4134756.91	223.46880	(98122624)	600240.06	4134756.57	225.66721	
(98122624)							
600232.52	4134756.23	227.41449	(98122624)	600224.98	4134755.88	229.14420	
(98122624)							
600217.43	4134755.54	230.61565	(98122624)	600209.89	4134755.20	231.37141	
(98122624)							
600202.35	4134754.86	230.49503	(98122624)	600346.05	4134745.57	175.39205m	
(00090724)							
600340.07	4134749.50	177.71523m	(00090724)	600334.09	4134753.43	179.87454m	
(00090724)							
600328.11	4134757.36	181.83179m	(00090724)	600322.13	4134761.29	183.55848m	

(00090724)
 600316.15 4134765.22 185.51302m (00090724) 600310.17 4134769.15 187.33481m
 (00090724)

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600297.04	4134772.76	195.03369	(98122624)	600289.89	4134772.43	200.38969
(98122624)						
600282.74	4134772.11	204.85198	(98122624)	600275.59	4134771.78	208.93154
(98122624)						
600268.44	4134771.46	212.91652	(98122624)	600261.29	4134771.14	216.49022
(98122624)						
600254.14	4134770.81	219.60919	(98122624)	600246.99	4134770.49	222.60265
(98122624)						
600239.84	4134770.16	225.05302	(98122624)	600232.69	4134769.84	227.14454
(98122624)						
600225.54	4134769.51	229.02198	(98122624)	600218.39	4134769.19	230.26829
(98122624)						
600211.24	4134768.86	231.01142	(98122624)	600204.09	4134768.54	231.28051
(98122624)						
600196.94	4134768.21	231.28006	(98122624)	600350.40	4134758.97	168.63666m
(00090724)						
600344.34	4134762.95	171.18766m	(00090724)	600338.28	4134766.94	173.45922m
(00090724)						
600332.22	4134770.92	175.98968m	(00090724)	600326.15	4134774.91	178.18844m
(00090724)						
600320.09	4134778.89	180.24954m	(00090724)	600314.03	4134782.87	182.04125m
(00090724)						
600300.72	4134786.53	185.68736m	(00090724)	600293.47	4134786.20	190.90297
(98122624)						
600286.23	4134785.87	196.46270	(98122624)	600278.98	4134785.54	201.70689
(98122624)						
600271.74	4134785.21	206.75179	(98122624)	600264.49	4134784.88	211.60804
(98122624)						
600257.24	4134784.56	215.58373	(98122624)	600250.00	4134784.23	219.25434
(98122624)						
600242.75	4134783.90	222.40156	(98122624)	600235.50	4134783.57	225.19856
(98122624)						
600228.26	4134783.24	227.81334	(98122624)	600221.01	4134782.91	229.80484
(98122624)						
600213.76	4134782.58	231.32254	(98122624)	600206.52	4134782.25	232.60331
(98122624)						
600199.27	4134781.92	233.14051	(98122624)	600192.02	4134781.59	232.36093
(98122624)						
600307.59	4134811.84	178.31781m	(00090724)	600300.25	4134811.51	180.15232m
(00090724)						
600292.92	4134811.17	181.65294m	(00090724)	600285.58	4134810.84	185.16783
(98122624)						

600278.25 (98122624)	4134810.51	191.58570 (98122624)	600270.91	4134810.17	197.70948
600263.58 (98122624)	4134809.84	203.69015 (98122624)	600256.24	4134809.51	209.09396
600248.91 (98122624)	4134809.17	214.38169 (98122624)	600241.57	4134808.84	219.21267
600234.24 (98122624)	4134808.51	223.74138 (98122624)	600226.90	4134808.18	227.51448
600219.57 (98122624)	4134807.84	230.64557 (98122624)	600212.23	4134807.51	233.32150
600204.90 (98122624)	4134807.18	235.24225 (98122624)	600197.56	4134806.84	235.07864
600190.23 (98122624)	4134806.51	234.38891 (98122624)	600182.89	4134806.18	233.14787
600292.25 (00090724)	4134836.14	180.25081m (00090724)	600284.84	4134835.80	181.81508m
600277.43 (98122624)	4134835.47	182.90534m (00090724)	600270.03	4134835.13	188.47389
600262.62 (98122624)	4134834.79	194.82676 (98122624)	600255.22	4134834.46	201.60056
600247.81 (98122624)	4134834.12	208.27136 (98122624)	600240.40	4134833.79	214.67603
600233.00 (98122624)	4134833.45	220.77755 (98122624)	600225.59	4134833.11	225.86057
600218.19 (98122624)	4134832.78	228.45623 (98122624)	600210.78	4134832.44	230.53058
600203.37 (98122624)	4134832.10	232.07780 (98122624)	600195.97	4134831.77	233.16086
600188.56 (98122624)	4134831.43	233.68400 (98122624)	600181.15	4134831.10	233.64301
600173.75 (00090724)	4134830.76	233.03520 (98122624)	600269.10	4134860.09	184.62142m
600261.64 (98122624)	4134859.75	189.02398 (98122624)	600254.17	4134859.41	195.23141
600246.71 (98122624)	4134859.07	201.15498 (98122624)	600239.24	4134858.73	206.36035
600231.78 (98122624)	4134858.39	211.29051 (98122624)	600224.31	4134858.05	216.31056

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
 *** 01/05/16
 *** AERMET - VERSION 15181 *** **
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600216.85 (98122624)	4134857.71	220.12369 (98122624)	600209.38	4134857.37	223.41901
600201.92 (98122624)	4134857.04	226.18771 (98122624)	600194.45	4134856.70	228.43801
600186.99 (98122624)	4134856.36	230.13854 (98122624)	600179.52	4134856.02	231.28441
600172.05	4134855.68	230.84217 (98122624)	600164.59	4134855.34	229.09880

(98122624)							
600253.11	4134884.36	178.79412	(98122624)	600245.60	4134884.02	185.69517	
(98122624)							
600238.08	4134883.67	192.16428	(98122624)	600230.57	4134883.33	198.16093	
(98122624)							
600223.06	4134882.99	203.67854	(98122624)	600215.54	4134882.65	208.71968	
(98122624)							
600208.03	4134882.31	213.25137	(98122624)	600200.51	4134881.97	217.01828	
(98122624)							
600193.00	4134881.63	218.52111	(98122624)	600185.48	4134881.29	219.74852	
(98122624)							
600177.97	4134880.94	220.43432	(98122624)	600170.45	4134880.60	220.36409	
(98122624)							
600162.94	4134880.26	220.00771	(98122624)	600155.42	4134879.92	219.13133	
(98122624)							
600492.93	4134784.82	177.85989	(00101808)	600497.70	4134778.88	179.44235	
(00101808)							
600502.46	4134772.94	180.39624	(00101808)	600507.23	4134767.00	180.95906	
(00101808)							
600511.99	4134761.05	181.77140	(00101808)	600516.76	4134755.11	182.18319	
(00101808)							
600521.52	4134749.17	182.50949	(99031424)	600526.29	4134743.23	184.16295	
(99031424)							
600531.05	4134737.29	185.10597	(99031424)	600535.82	4134731.35	183.98146	
(99031424)							
600540.58	4134725.41	182.09401	(99031424)	600545.35	4134719.47	179.70164	
(99031424)							
600550.11	4134713.53	176.74258	(99031424)	600554.88	4134707.58	173.54941	
(99031424)							
600559.64	4134701.64	170.79563	(99031424)	600564.41	4134695.70	167.39135	
(99031424)							
600569.17	4134689.76	163.42141	(99031424)	600573.93	4134683.82	159.42265	
(99031424)							
600284.82	4134706.44	212.64454	(00122924)	600298.48	4134750.27	201.76382	
(98122624)							
600322.29	4134768.74	181.26878m	(00090724)	600266.30	4134791.75	208.18136	
(98122624)							
600272.25	4134796.36	202.03303	(98122624)	600278.20	4134800.98	195.59984	
(98122624)							
600184.73	4134761.67	225.08049	(98122624)	600202.59	4134775.53	232.33771	
(98122624)							
600226.40	4134794.01	227.43542	(98122624)	600232.35	4134798.63	224.83517	
(98122624)							
600256.16	4134817.10	206.46544	(98122624)	600262.11	4134821.72	199.48605	
(98122624)							
600268.06	4134826.34	192.32464	(98122624)	600255.53	4134443.24	188.89988	
(00121924)							
600250.53	4134450.24	195.57948	(00121924)	600234.17	4134427.98	163.42484	
(00121924)							
600229.17	4134434.98	168.48576	(00121924)	600212.81	4134412.72	149.51444c	
(99083108)							
600207.81	4134419.72	149.03561c	(99083108)	600295.16	4134734.83	207.07535	
(98122624)							
600288.21	4134723.54	210.66019	(98122624)	600328.43	4134783.98	175.17367m	
(00090724)							
600304.01	4134795.56	181.67088m	(00090724)	600241.49	4134693.91	218.36137	
(00122924)							
600247.51	4134463.15	208.40388	(00121924)	600312.99	4134805.21	177.51361m	
(00090724)							
600188.40	4134609.36	227.61770	(00121924)	600212.56	4134506.02	225.91305	
(00121924)							
600215.58	4134493.11	215.00034	(00121924)	600218.60	4134480.19	206.44597	
(00121924)							
600221.62	4134467.27	196.64668	(00121924)	600224.64	4134454.36	186.04346	


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(00121924)
600292.05  4134822.44  179.99649m (00090724)  600248.80  4134798.45  216.70642
(98122624)
600156.45  4134639.39  208.90135 (00121924)  600159.47  4134626.47  212.60001
(00121924)
600162.49  4134613.55  216.50237 (00121924)  600165.51  4134600.63  219.78552
(00121924)
600177.60  4134548.94  231.58857 (00121924)  600180.62  4134536.02  228.44314
(00121924)
    
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*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): CON_ZONE , ***

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600183.64 (00121924)	4134523.10	223.01711 (00121924)	600186.66	4134510.18	212.11384
600189.68 (00121924)	4134497.25	201.22327 (00121924)	600192.70	4134484.33	192.86979
600195.73 (00121924)	4134471.41	184.06723 (00121924)	600198.75	4134458.49	174.92553
600201.77 (00121924)	4134445.57	165.26862 (00121924)	600204.79	4134432.64	154.88047
600276.61 (00101808)	4134843.66	183.55150m (00090724)	600494.00	4134792.43	177.45712
600484.25 (00101808)	4134805.17	172.98028 (00101808)	600494.00	4134806.71	176.67577
600484.29 (00101808)	4134819.47	172.51468 (00101808)	600494.00	4134821.00	176.16068
600534.66 (99031424)	4134711.40	185.44964 (99031424)	600542.72	4134708.44	180.81729
600528.07 (99031424)	4134727.24	187.99604 (99031424)	600547.39	4134736.97	179.23887
600539.18 (99031424)	4134738.91	181.67433 (99031424)	600514.54	4134744.72	185.93704
600555.50 (99031424)	4134734.00	175.80639 (99031424)	600553.63	4134749.78	172.69041
600545.11 (99031424)	4134751.79	175.01151 (99031424)	600536.59	4134753.80	176.77703
600528.07 (99031424)	4134755.81	179.37181 (00101808)	600561.89	4134746.78	170.48921
600560.14 (00101808)	4134762.53	166.38018 (99031424)	600551.87	4134764.48	168.58298
600543.61 (00101808)	4134766.43	172.27971 (00101808)	600535.34	4134768.38	175.62057
600527.07 (00101808)	4134770.34	178.25502 (00101808)	600518.80	4134772.29	179.97392
600510.54 (99031424)	4134774.24	180.64247 (00101808)	600568.28	4134759.55	162.98597
600566.41 (00101808)	4134775.34	162.10677 (99031424)	600557.89	4134777.35	166.30748

600549.37 (00101808)	4134779.36	170.59157	(00101808)	600540.85	4134781.37	174.24210
600532.33 (00101808)	4134783.38	177.11827	(00101808)	600523.81	4134785.39	179.16305
600515.30 (00101808)	4134787.40	180.10468	(00101808)	600506.78	4134789.41	179.92600
600574.67 (99031424)	4134772.33	157.72222	(99031424)	600572.90	4134788.09	158.94566
600564.60 (00101808)	4134790.05	163.89548	(00101808)	600556.29	4134792.01	168.55596
600547.99 (00101808)	4134793.97	172.33137	(00101808)	600539.68	4134795.93	175.50436
600531.37 (00101808)	4134797.89	177.71895	(00101808)	600523.07	4134799.85	179.17465
600514.76 (00101808)	4134801.81	179.74306	(00101808)	600506.46	4134803.77	179.32241
600581.05 (99031424)	4134785.11	155.53407	(99031424)	600579.18	4134800.89	155.95301
600570.67 (00101808)	4134802.90	158.78292	(00101808)	600562.15	4134804.91	165.77842
600553.63 (00101808)	4134806.92	169.83089	(00101808)	600545.11	4134808.93	173.04651
600536.59 (00101808)	4134810.95	175.59392	(00101808)	600528.07	4134812.96	177.58873
600519.56 (00101808)	4134814.97	178.78121	(00101808)	600511.04	4134816.98	179.04767
600502.52 (99031424)	4134818.99	178.19261	(00101808)	600587.44	4134797.89	153.95542
600590.97 (99031424)	4134824.36	145.88890	(99031424)	600582.53	4134826.35	148.41019
600574.10 (00101808)	4134828.34	155.00092	(00101808)	600565.67	4134830.33	162.08416
600557.24 (00101808)	4134832.32	167.29712	(00101808)	600548.81	4134834.31	170.69675
600540.38 (00101808)	4134836.30	173.58226	(00101808)	600531.94	4134838.29	175.87199
600523.51 (00101808)	4134840.28	178.03833	(00101808)	600515.08	4134842.27	179.18670
600506.65 (99101024)	4134844.26	179.35142	(00101808)	600599.18	4134821.36	145.90965m
600602.58 (99031424)	4134847.87	144.54463	(00090808)	600593.89	4134849.92	143.83345
600585.21 (00101808)	4134851.97	145.28869	(00101808)	600576.52	4134854.02	152.59146

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*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
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600567.83	4134856.07	159.35037 (00101808)	600559.15	4134858.12	165.44646
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(00101808)							
600550.46	4134860.17	169.75021	(00101808)	600541.77	4134862.22	173.59583	
(00101808)							
600533.09	4134864.27	176.74583	(00101808)	600610.92	4134844.84	144.72089	
(00090808)							
600614.36	4134871.34	142.54933	(00090808)	600605.76	4134873.37	142.42278	
(00090808)							
600597.17	4134875.40	141.19116	(00090808)	600588.57	4134877.42	141.92581	
(00101808)							
600579.97	4134879.45	148.87384	(00101808)	600571.38	4134881.48	155.36209	
(00101808)							
600562.78	4134883.51	161.42217	(00101808)	600554.18	4134885.54	167.35698	
(00101808)							
600622.66	4134868.32	142.14752	(00120924)	600626.14	4134894.81	138.43122	
(00120924)							
600617.61	4134896.82	138.95031	(00090808)	600609.09	4134898.83	138.65289	
(00090808)							
600600.56	4134900.84	137.56049	(00090808)	600592.04	4134902.86	138.35061	
(00101808)							
600583.51	4134904.87	145.42064	(00101808)	600574.99	4134906.88	152.20404	
(00101808)							
600634.40	4134891.80	139.82977	(00120924)	600572.59	4134652.25	167.96170	
(99031424)							
600573.32	4134662.52	163.95748	(99031424)	600578.07	4134656.82	161.08217	
(99031424)							
600582.82	4134651.13	158.26445m	(99101024)	600587.57	4134645.43	157.06812m	
(99101024)							
600592.32	4134639.74	156.59563m	(99101024)	600597.07	4134634.04	156.36655m	
(99101024)							
600601.82	4134628.35	155.48722m	(99101024)	600606.57	4134622.65	153.88967m	
(99101024)							
600611.32	4134616.96	152.85572	(99102124)	600616.07	4134611.27	151.11585	
(99102124)							
600620.82	4134605.57	149.08513	(99102124)	600625.57	4134599.88	147.26235	
(99102124)							
600630.32	4134594.18	145.63539	(99102124)	600635.07	4134588.49	143.58922	
(99102124)							
600639.82	4134582.79	141.36041	(99102124)	600564.34	4134682.41	167.28449	
(99031424)							
600554.42	4134690.27	175.77075	(99031424)	600574.06	4134672.79	160.16164	
(99031424)							
600578.81	4134667.09	157.62330	(99031424)	600583.56	4134661.40	155.89226m	
(99101024)							
600588.31	4134655.70	154.74438m	(99101024)	600593.06	4134650.01	153.01774m	
(99101024)							
600597.81	4134644.31	151.82031m	(99101024)	600602.56	4134638.62	151.07267m	
(99101024)							
600607.31	4134632.92	149.86644m	(99101024)	600612.06	4134627.23	149.27780	
(99102124)							
600616.81	4134621.54	148.38744	(99102124)	600621.56	4134615.84	146.95692	
(99102124)							
600626.31	4134610.15	145.69106	(99102124)	600631.06	4134604.45	144.36780	
(99102124)							
600635.81	4134598.76	142.63767	(99102124)	600640.56	4134593.06	140.62553	
(99102124)							
600645.31	4134587.37	138.22285	(99102124)	600650.06	4134581.67	135.86280	
(99102124)							
600654.81	4134575.98	135.82992	(99101224)	600659.56	4134570.29	139.96143	
(99101224)							
600664.31	4134564.59	143.83826	(99101224)	600669.06	4134558.90	147.40865	
(99101224)							
600673.81	4134553.20	150.86974	(99101224)	600678.56	4134547.51	154.20034	
(99101224)							
600683.31	4134541.81	157.32000	(99101224)	600688.06	4134536.12	160.28844	

(99101224)	600692.81	4134530.42	162.94289	(99101224)	600697.56	4134524.73	165.17688
(99101224)	600702.31	4134519.04	167.31772	(99101224)	600707.06	4134513.34	169.19815
(99101224)	600711.81	4134507.65	170.79884	(99101224)	600716.56	4134501.95	172.19140
(99101224)	600721.31	4134496.26	173.05374	(99101224)	600579.54	4134677.36	154.66775
(99031424)	600584.29	4134671.67	153.99718m	(99101024)	600589.04	4134665.97	152.97872m
(99101024)	600593.79	4134660.28	151.45853m	(99101024)	600598.54	4134654.58	149.70810m
(99101024)	600603.29	4134648.89	147.87831m	(99101024)	600608.04	4134643.19	146.33304m
(99101024)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600612.79	4134637.50	145.97442 (99102124)	600617.54	4134631.81	145.60145
600622.29	4134626.11	144.59930 (99102124)	600627.04	4134620.42	143.84259
600631.79	4134614.72	142.91574 (99102124)	600636.54	4134609.03	141.59901
600641.29	4134603.33	139.89434 (99102124)	600646.04	4134597.64	137.80816
600650.79	4134591.94	135.45923 (99102124)	600655.54	4134586.25	132.95212
600660.29	4134580.56	134.11730 (99101224)	600665.04	4134574.86	138.29647
600669.79	4134569.17	142.22657 (99101224)	600674.54	4134563.47	145.88906
600679.29	4134557.78	149.24434 (99101224)	600684.04	4134552.08	152.61705
600688.79	4134546.39	156.06512 (99101224)	600693.54	4134540.69	159.16725
600698.29	4134535.00	161.96288 (99101224)	600703.04	4134529.31	164.27382
600707.79	4134523.61	166.40682 (99101224)	600712.54	4134517.92	168.42340
600717.29	4134512.22	170.32443 (99101224)	600722.04	4134506.53	171.83568
600726.79	4134500.83	172.81579 (99101224)	600731.54	4134495.14	173.27455
600736.29	4134489.44	173.35596 (99101224)	600741.04	4134483.75	172.72323
600745.79	4134478.06	171.33856 (99101224)	600580.53	4134696.35	156.05910m
(99101024)					

600570.05 (99031424)	4134704.64	163.13096 (99031424)	600559.58	4134712.93	171.40796
600590.51 (99101024)	4134686.51	152.42238m (99101024)	600595.26	4134680.82	149.87162m
600600.01 (99101024)	4134675.12	147.06096m (99101024)	600604.76	4134669.43	144.99498m
600609.51 (99101024)	4134663.73	142.78054m (99101024)	600614.26	4134658.04	140.47972m
600619.01 (99102124)	4134652.34	140.11943 (99102124)	600623.76	4134646.65	140.08272
600628.51 (99102124)	4134640.96	140.04047 (99102124)	600633.26	4134635.26	139.74234
600638.01 (99102124)	4134629.57	139.08162 (99102124)	600642.76	4134623.87	138.05242
600647.51 (99102124)	4134618.18	136.65262 (99102124)	600652.26	4134612.48	134.99462
600657.01 (99102124)	4134606.79	133.08145 (99102124)	600661.76	4134601.09	131.01663
600666.51 (99101224)	4134595.40	128.79140 (99102124)	600671.26	4134589.71	131.05986
600676.01 (99101224)	4134584.01	135.13853 (99101224)	600680.76	4134578.32	139.10936
600685.51 (99101224)	4134572.62	143.03777 (99101224)	600690.26	4134566.93	146.83397
600695.01 (99101224)	4134561.23	150.41641 (99101224)	600699.76	4134555.54	153.67859
600704.51 (99101224)	4134549.84	157.03724 (99101224)	600709.26	4134544.15	159.95844
600714.01 (99101224)	4134538.46	162.64537 (99101224)	600718.76	4134532.76	165.15796
600723.51 (99101224)	4134527.07	167.39523 (99101224)	600728.26	4134521.37	169.49804
600733.01 (99101224)	4134515.68	171.27533 (99101224)	600737.76	4134509.98	172.42280
600742.51 (99101224)	4134504.29	172.94740 (99101224)	600747.26	4134498.59	173.14604
600752.01 (99101224)	4134492.90	172.86367 (99101224)	600756.76	4134487.21	171.93945
600591.58 (99101024)	4134705.44	154.03747m (99101024)	600581.27	4134713.60	157.21117m
600570.96 (99101024)	4134721.76	164.43112 (99031424)	600601.48	4134695.66	148.61353m
600606.23 (99101024)	4134689.97	145.48792m (99101024)	600610.98	4134684.27	142.02916m
600615.73 (99101024)	4134678.58	138.38508m (99101024)	600620.48	4134672.88	135.30383m
600625.23 (99102124)	4134667.19	135.28402 (99102124)	600629.98	4134661.50	135.87937
600634.73 (99102124)	4134655.80	136.21126 (99102124)	600639.48	4134650.11	136.17779

FF *** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3

**

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600644.23 (99102124)	4134644.41	135.78051	(99102124)	600648.98	4134638.72	135.12718
600653.73 (99102124)	4134633.02	134.00964	(99102124)	600658.48	4134627.33	132.42825
600663.23 (99102124)	4134621.63	130.70693	(99102124)	600667.98	4134615.94	128.85237
600672.73 (99102124)	4134610.25	126.85505	(99102124)	600677.48	4134604.55	124.71017
600682.23 (99101224)	4134598.86	128.14612	(99101224)	600686.98	4134593.16	132.54097
600691.73 (99101224)	4134587.47	136.88476	(99101224)	600696.48	4134581.77	141.10197
600701.23 (99101224)	4134576.08	145.06504	(99101224)	600705.98	4134570.38	148.75107
600710.73 (99101224)	4134564.69	152.03468	(99101224)	600715.48	4134559.00	155.07173
600720.23 (99101224)	4134553.30	158.16563	(99101224)	600724.98	4134547.61	161.19970
600729.73 (99101224)	4134541.91	164.00125	(99101224)	600734.48	4134536.22	166.53405
600739.23 (99101224)	4134530.52	168.76936	(99101224)	600743.98	4134524.83	170.74709
600748.73 (99101224)	4134519.13	172.50736	(99101224)	600753.48	4134513.44	173.70206
600758.23 (99101224)	4134507.75	174.12350	(99101224)	600762.98	4134502.05	173.64347
600767.73 (99101024)	4134496.36	172.12810	(99101224)	600601.98	4134715.04	150.37654m
600596.25 (99101024)	4134719.57	153.32973m	(99101024)	600590.52	4134724.11	155.61348m
600584.79 (99031424)	4134728.64	157.55176m	(99101024)	600579.07	4134733.17	159.34072
600573.34 (99031424)	4134737.71	164.24060	(99031424)	600567.61	4134742.24	167.89517
600607.70 (99101024)	4134710.51	147.02707m	(99101024)	600612.45	4134704.81	143.87114m
600617.20 (00120924)	4134699.12	140.33028m	(99101024)	600621.95	4134693.42	137.69162
600626.70 (00120924)	4134687.73	135.94592	(00120924)	600631.45	4134682.04	134.17708
600636.20 (00090208)	4134676.34	132.74863m	(00090208)	600640.95	4134670.65	132.87889m
600645.70 (99102124)	4134664.95	133.14595	(99102124)	600650.45	4134659.26	133.15383
600655.20 (99102124)	4134653.56	132.46922	(99102124)	600659.95	4134647.87	131.19755
600664.70 (99102124)	4134642.17	129.78523	(99102124)	600669.45	4134636.48	128.23477
600674.20 (99102124)	4134630.79	126.55699	(99102124)	600678.95	4134625.09	124.75031
600683.70 (99101224)	4134619.40	122.81521	(99102124)	600688.45	4134613.70	121.39161
600693.20 (99101224)	4134608.01	125.92283	(99101224)	600697.95	4134602.31	130.46318
600702.70 (99101224)	4134596.62	134.99830	(99101224)	600707.45	4134590.92	139.43448
600712.20 (99101224)	4134585.23	143.82953	(99101224)	600716.95	4134579.54	147.24865
600721.70	4134573.84	150.46352	(99101224)	600726.45	4134568.15	153.63537

(99101224)	600731.20	4134562.45	156.56486	(99101224)	600735.95	4134556.76	159.31361
(99101224)	600740.70	4134551.06	162.36989	(99101224)	600745.45	4134545.37	165.34730
(99101224)	600750.20	4134539.67	168.32809	(99101224)	600754.95	4134533.98	170.99699
(99101224)	600759.70	4134528.29	173.28772	(99101224)	600764.45	4134522.59	174.77769
(99101224)	600769.20	4134516.90	175.33840	(99101224)	600773.95	4134511.20	174.96540
(99101224)	600778.70	4134505.51	173.45525	(99101224)	600613.07	4134724.09	145.49790m
(99101024)	600607.47	4134728.52	148.80407m	(99101024)	600601.87	4134732.96	151.60713m
(99101024)	600596.27	4134737.39	154.01141m	(99101024)	600590.67	4134741.82	155.39416m
(99101024)	600585.08	4134746.25	156.21088m	(99101024)	600579.48	4134750.69	157.20016
(99031424)	600573.88	4134755.12	160.38345	(99031424)	600618.67	4134719.66	142.61443
(00120924)							

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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*MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600623.42	4134713.96	141.03438	(00120924)	600628.17	4134708.27	139.61577
(00120924)	600632.92	4134702.57	137.80437	(00120924)	600637.67	4134696.88
(00120924)	600642.42	4134691.19	133.61754	(00120924)	600647.17	4134685.49
(00090208)	600651.92	4134679.80	132.73472m	(00090208)	600656.67	4134674.10
(00090208)	600661.42	4134668.41	130.19759m	(00090208)	600666.17	4134662.71
(00090208)	600670.92	4134657.02	127.13848	(99102124)	600675.67	4134651.32
(99102124)	600680.42	4134645.63	124.22411	(99102124)	600685.17	4134639.94
(99102124)	600689.92	4134634.24	121.47661	(99102124)	600694.67	4134628.55
(99102124)	600699.42	4134622.85	119.49475	(99101224)	600704.17	4134617.16
(99101224)	600708.92	4134611.46	128.55432	(99101224)	600713.67	4134605.77
(99101224)	600718.42	4134600.07	137.44563	(99101224)	600723.17	4134594.38
(99101224)	600727.92	4134588.69	145.29230	(99101224)	600732.67	4134582.99
(99101224)						

600737.42 (99101224)	4134577.30	151.94628 (99101224)	600742.17	4134571.60	154.98916
600746.92 (99101224)	4134565.91	158.27107 (99101224)	600751.67	4134560.21	161.46029
600756.42 (99101224)	4134554.52	164.61500 (99101224)	600761.17	4134548.82	167.92705
600765.92 (99101224)	4134543.13	170.93388 (99101224)	600770.67	4134537.44	173.56043
600775.42 (99101224)	4134531.74	175.46755 (99101224)	600780.17	4134526.05	176.27160
600784.92 (99101224)	4134520.35	175.76549 (99101224)	600789.67	4134514.66	174.47364
600624.14 (00120924)	4134733.16	143.90372 (00120924)	600618.65	4134737.51	144.66956
600613.15 (99101024)	4134741.87	146.18939m (99101024)	600607.65	4134746.22	148.52133m
600602.15 (99101024)	4134750.57	150.46850m (99101024)	600596.66	4134754.92	152.01754m
600591.16 (99101024)	4134759.27	152.93524m (99101024)	600585.66	4134763.63	153.10410m
600580.16 (00120924)	4134767.98	154.39038 (99031424)	600629.64	4134728.81	143.39586
600634.39 (00120924)	4134723.11	142.07610 (00120924)	600639.14	4134717.42	140.10940
600643.89 (00120924)	4134711.73	137.43564 (00120924)	600648.64	4134706.03	134.40085
600653.39 (00090208)	4134700.34	132.89997m (00090208)	600658.14	4134694.64	132.13080m
600662.89 (00090208)	4134688.95	130.96579m (00090208)	600667.64	4134683.25	129.41541m
600672.39 (00090208)	4134677.56	127.60206m (00090208)	600677.14	4134671.86	125.71616m
600681.89 (99102124)	4134666.17	123.76071m (00090208)	600686.64	4134660.48	122.19763
600691.39 (99102124)	4134654.78	121.17303 (99102124)	600696.14	4134649.09	120.02164
600700.89 (99102124)	4134643.39	118.75202 (99102124)	600705.64	4134637.70	117.36159
600710.39 (99101224)	4134632.00	117.96940 (99101224)	600715.14	4134626.31	122.38717
600719.89 (99101224)	4134620.61	126.88551 (99101224)	600724.64	4134614.92	131.34382
600729.39 (99101224)	4134609.23	135.62927 (99101224)	600734.14	4134603.53	139.58356
600738.89 (99101224)	4134597.84	143.39049 (99101224)	600743.64	4134592.14	147.03046
600748.39 (99101224)	4134586.45	150.82095 (99101224)	600753.14	4134580.75	154.51446
600757.89 (99101224)	4134575.06	158.06528 (99101224)	600762.64	4134569.36	161.44511
600767.39 (99101224)	4134563.67	164.60027 (99101224)	600772.14	4134557.98	167.48410
600776.89 (99101224)	4134552.28	170.55037 (99101224)	600781.64	4134546.59	173.08981
600786.39 (99101224)	4134540.89	175.01226 (99101224)	600791.14	4134535.20	176.07070

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI IN MICROGRAMS/M**3					**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
600795.89	4134529.50	176.18019	(99101224)	600800.64	4134523.81	175.25091	
(99101224)							
600635.20	4134742.25	145.16970	(00120924)	600624.37	4134750.82	144.28631	
(00120924)							
600618.95	4134755.10	144.13069	(00120924)	600613.54	4134759.39	144.79249m	
(99101024)							
600608.13	4134763.68	146.75104m	(99101024)	600602.71	4134767.96	148.77382m	
(99101024)							
600591.88	4134776.54	152.48923m	(99101024)	600640.61	4134737.96	144.94300	
(00120924)							
600645.36	4134732.27	143.29768	(00120924)	600650.11	4134726.57	140.74067	
(00120924)							
600654.86	4134720.88	137.55711	(00120924)	600659.61	4134715.18	133.71076m	
(00090208)							
600664.36	4134709.49	132.07466m	(00090208)	600669.11	4134703.79	130.71090m	
(00090208)							
600673.86	4134698.10	129.34431m	(00090208)	600678.61	4134692.40	127.69411m	
(00090208)							
600683.36	4134686.71	125.57468m	(00090208)	600688.11	4134681.02	123.58106m	
(00090208)							
600692.86	4134675.32	121.59347m	(00090208)	600697.61	4134669.63	119.70486m	
(00090208)							
600702.36	4134663.93	118.69619m	(98010824)	600707.11	4134658.24	117.91337m	
(98010824)							
600711.86	4134652.54	116.84338m	(98010824)	600716.61	4134646.85	115.43892m	
(98010824)							
600721.36	4134641.15	116.93322	(99101224)	600726.11	4134635.46	121.13351	
(99101224)							
600730.86	4134629.77	125.51721	(99101224)	600735.61	4134624.07	130.00884	
(99101224)							
600740.36	4134618.38	134.59777	(99101224)	600745.11	4134612.68	138.76004	
(99101224)							
600749.86	4134606.99	142.66994	(99101224)	600754.61	4134601.29	146.57072	
(99101224)							
600759.36	4134595.60	150.42371	(99101224)	600764.11	4134589.90	154.20984	
(99101224)							
600768.86	4134584.21	157.88412	(99101224)	600773.61	4134578.52	161.40750	
(99101224)							
600778.36	4134572.82	164.31031	(99101224)	600783.11	4134567.13	167.38263	
(99101224)							
600787.86	4134561.43	170.28218	(99101224)	600792.61	4134555.74	173.07672	
(99101224)							
600797.36	4134550.04	175.10342	(99101224)	600802.11	4134544.35	176.26102	
(99101224)							
600806.86	4134538.65	176.32866	(99101224)	600811.61	4134532.96	175.52028	
(99101224)							
600646.24	4134751.34	145.45890	(00120924)	600635.55	4134759.80	145.40747	
(00120924)							
600624.86	4134768.27	144.57329	(00120924)	600614.17	4134776.73	147.34576m	
(99101024)							
600603.48	4134785.19	151.86477m	(99101024)	600656.33	4134741.42	143.25099	
(00120924)							
600661.08	4134735.72	140.86054	(00120924)	600665.83	4134730.03	136.92304	

(00120924)	600670.58	4134724.33	133.98742m	(00090208)	600675.33	4134718.64	132.26921m
(00090208)	600680.08	4134712.94	130.32244m	(00090208)	600684.83	4134707.25	128.26809m
(00090208)	600689.58	4134701.55	126.41627m	(00090208)	600694.33	4134695.86	124.48055m
(00090208)	600699.08	4134690.17	122.36393m	(00090208)	600703.83	4134684.47	121.62819m
(98010824)	600708.58	4134678.78	120.70688m	(98010824)	600713.33	4134673.08	119.76933m
(98010824)	600718.08	4134667.39	118.77183m	(98010824)	600722.83	4134661.69	117.45333m
(98010824)	600727.58	4134656.00	115.76955m	(98010824)	600732.33	4134650.30	116.18468
(99101224)	600737.08	4134644.61	120.35659	(99101224)	600741.83	4134638.92	124.50382
(99101224)	600746.58	4134633.22	128.62899	(99101224)	600751.33	4134627.53	132.97933
(99101224)	600756.08	4134621.83	137.72803	(99101224)	600760.83	4134616.14	142.60339
(99101224)	600765.58	4134610.44	146.47736	(99101224)	600770.33	4134604.75	150.33769
(99101224)	600775.08	4134599.05	154.00492	(99101224)	600779.83	4134593.36	156.94299
(99101224)	600784.58	4134587.67	159.77573	(99101224)	600789.33	4134581.97	162.90868
(99101224)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600794.08	4134576.28	166.11223	(99101224)	600798.83	4134570.58	169.18265
(99101224)						
600803.58	4134564.89	172.35239	(99101224)	600808.33	4134559.19	174.59621
(99101224)						
600813.08	4134553.50	175.80579	(99101224)	600817.83	4134547.80	175.93445
(99101224)						
600822.58	4134542.11	175.37775	(99101224)	600666.16	4134768.34	143.08371
(00120924)						
600660.58	4134772.76	146.49600	(00120924)	600655.00	4134777.18	149.74177
(00120924)						
600649.41	4134781.60	151.81050	(00120924)	600643.83	4134786.02	152.77919
(00120924)						
600638.25	4134790.44	153.25758	(00120924)	600632.67	4134794.85	153.26413
(00120924)						
600627.09	4134799.27	152.84509	(00120924)	600621.51	4134803.69	152.02548
(00120924)						
600615.93	4134808.11	150.87657	(00120924)	600610.34	4134812.53	148.10049m
(99101024)						

600604.76 (00120924)	4134816.95	147.05866m (99101024)	600671.74	4134763.93	140.25568
600676.49 (00120924)	4134758.23	137.67019 (00120924)	600681.24	4134752.54	134.81050
600685.99 (98010824)	4134746.84	133.17551m (98010824)	600690.74	4134741.15	134.00547m
600695.49 (98010824)	4134735.45	133.84609m (98010824)	600700.24	4134729.76	133.06212m
600704.99 (98010824)	4134724.06	131.66328m (98010824)	600709.74	4134718.37	130.18619m
600714.49 (98010824)	4134712.68	128.50046m (98010824)	600719.24	4134706.98	126.39035m
600723.99 (98010824)	4134701.29	124.82284m (98010824)	600728.74	4134695.59	123.33378m
600733.49 (98010824)	4134689.90	121.75953m (98010824)	600738.24	4134684.20	120.03097m
600742.99 (98010824)	4134678.51	118.11439m (98010824)	600747.74	4134672.81	115.41673m
600752.49 (99101224)	4134667.12	114.59770 (99101224)	600757.24	4134661.43	117.95996
600761.99 (99101224)	4134655.73	121.30207 (99101224)	600766.74	4134650.04	124.65903
600771.49 (99101224)	4134644.34	128.33319 (99101224)	600776.24	4134638.65	132.63513
600780.99 (99101224)	4134632.95	136.95952 (99101224)	600785.74	4134627.26	141.57870
600790.49 (99101224)	4134621.56	146.34189 (99101224)	600795.24	4134615.87	151.04044
600799.99 (99101224)	4134610.18	153.84541 (99101224)	600804.74	4134604.48	156.43623
600809.49 (99101224)	4134598.79	158.92643 (99101224)	600814.24	4134593.09	161.43720
600818.99 (99101224)	4134587.40	164.03627 (99101224)	600823.74	4134581.70	166.95793
600828.49 (99101224)	4134576.01	169.48047 (99101224)	600833.24	4134570.31	171.52809
600837.99 (99101224)	4134564.62	173.00727 (99101224)	600842.74	4134558.93	173.83736
600686.11 (00120924)	4134785.32	136.92990 (00120924)	600680.33	4134789.90	140.31043
600674.55 (00120924)	4134794.48	143.20543 (00120924)	600668.76	4134799.05	145.47648
600662.98 (00120924)	4134803.63	147.46178 (00120924)	600657.19	4134808.21	148.80935
600651.41 (00120924)	4134812.79	149.64757 (00120924)	600645.63	4134817.37	150.00338
600639.84 (00120924)	4134821.95	149.91507 (00120924)	600634.06	4134826.53	149.42225
600628.27 (00120924)	4134831.11	148.54857 (00120924)	600622.49	4134835.69	147.34805
600616.71 (98010824)	4134840.26	144.84240 (00120924)	600691.90	4134780.74	134.71385m
600696.65 (98010824)	4134775.05	135.28860m (98010824)	600701.40	4134769.35	135.61289m
600706.15 (98010824)	4134763.66	135.67551m (98010824)	600710.90	4134757.96	135.51752m
600715.65 (98010824)	4134752.27	135.20927m (98010824)	600720.40	4134746.57	134.76638m
600725.15 (98010824)	4134740.88	134.14543m (98010824)	600729.90	4134735.18	133.35900m
600734.65 (98010824)	4134729.49	132.47855m (98010824)	600739.40	4134723.80	130.92981m

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600744.15 (98010824)	4134718.10	127.90637m (98010824)	600748.90	4134712.41	125.23698m
600753.65 (98010824)	4134706.71	122.43318m (98010824)	600758.40	4134701.02	120.04713m
600763.15 (98010824)	4134695.32	117.25087m (98010824)	600767.90	4134689.63	113.72924m
600772.65 (99101224)	4134683.93	113.13244 (99101224)	600777.40	4134678.24	115.67879
600782.15 (99101224)	4134672.55	118.65288 (99101224)	600786.90	4134666.85	121.69702
600791.65 (99101224)	4134661.16	124.73789 (99101224)	600796.40	4134655.46	127.82299
600801.15 (99101224)	4134649.77	130.97263 (99101224)	600805.90	4134644.07	134.47931
600810.65 (99101224)	4134638.38	138.36423 (99101224)	600815.40	4134632.68	142.07233
600820.15 (99101224)	4134626.99	145.54060 (99101224)	600824.90	4134621.30	148.87216
600829.65 (99101224)	4134615.60	151.70803 (99101224)	600834.40	4134609.91	154.60314
600839.15 (99101224)	4134604.21	157.79240 (99101224)	600843.90	4134598.52	160.74641
600848.65 (99101224)	4134592.82	163.39556 (99101224)	600853.40	4134587.13	165.64805
600858.15 (99101224)	4134581.43	167.43261 (99101224)	600862.90	4134575.74	168.66133
600706.47 (98010824)	4134801.98	135.99720m (98010824)	600700.88	4134806.40	135.07234m
600695.29 (00120924)	4134810.82	133.83847m (98010824)	600689.71	4134815.25	136.85822
600684.12 (00120924)	4134819.67	139.54019 (00120924)	600678.53	4134824.09	141.77203
600672.95 (00120924)	4134828.51	143.54555 (00120924)	600667.36	4134832.94	144.87192
600661.77 (00120924)	4134837.36	145.76094 (00120924)	600656.18	4134841.78	146.23960
600650.60 (00120924)	4134846.21	146.33187 (00120924)	600645.01	4134850.63	146.07489
600639.42 (00120924)	4134855.05	145.50117 (00120924)	600633.84	4134859.48	144.64070
600628.25 (98010824)	4134863.90	143.51692 (00120924)	600712.06	4134797.55	136.23803m
600716.81 (98010824)	4134791.86	136.96840m (98010824)	600721.56	4134786.17	137.07505m
600726.31 (98010824)	4134780.47	136.98925m (98010824)	600731.06	4134774.78	136.71806m
600735.81	4134769.08	136.26438m (98010824)	600740.56	4134763.39	135.58075m

(98010824)	600745.31	4134757.69	134.65869m	(98010824)	600750.06	4134752.00	133.50455m
(98010824)	600754.81	4134746.30	132.08461m	(98010824)	600759.56	4134740.61	130.38479m
(98010824)	600764.31	4134734.92	128.38302m	(98010824)	600769.06	4134729.22	126.10090m
(98010824)	600773.81	4134723.53	123.43647m	(98010824)	600778.56	4134717.83	120.44583m
(98010824)	600783.31	4134712.14	115.74375m	(98010824)	600788.06	4134706.44	110.50003m
(99101224)	600792.81	4134700.75	111.21110	(99101224)	600797.56	4134695.05	113.85424
(99101224)	600802.31	4134689.36	116.51353	(99101224)	600807.06	4134683.67	119.03007
(99101224)	600811.81	4134677.97	121.12812	(99101224)	600816.56	4134672.28	123.51536
(99101224)	600821.31	4134666.58	126.13201	(99101224)	600826.06	4134660.89	129.14338
(99101224)	600830.81	4134655.19	132.36334	(99101224)	600835.56	4134649.50	135.93741
(99101224)	600840.31	4134643.80	139.36149	(99101224)	600845.06	4134638.11	142.42139
(99101224)	600849.81	4134632.42	145.49619	(99101224)	600854.56	4134626.72	148.54311
(99101224)	600859.31	4134621.03	151.49383	(99101224)	600864.06	4134615.33	154.30614
(99101224)	600868.81	4134609.64	156.88199	(99101224)	600873.56	4134603.94	159.16644
(99101224)	600878.31	4134598.25	161.07785	(99101224)	600883.06	4134592.55	162.54574
(98010824)	600726.46	4134818.92	137.86949m	(98010824)	600720.71	4134823.48	137.16381m

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600714.95	4134828.03	136.12104m (98010824)	600709.20	4134832.59	134.66269m
(98010824)					
600703.45	4134837.14	132.81748m (98010824)	600697.69	4134841.70	133.65485
(00120924)					
600691.94	4134846.25	136.17962 (00120924)	600686.18	4134850.81	138.26742
(00120924)					
600680.43	4134855.36	139.71186 (00120924)	600674.68	4134859.92	140.52568
(00120924)					
600668.92	4134864.47	141.23688 (00120924)	600663.17	4134869.03	141.66963
(00120924)					
600657.42	4134873.58	141.85226 (00120924)	600651.66	4134878.14	142.02104
(00120924)					

600645.91 (00120924)	4134882.69	141.69409 (00120924)	600640.15	4134887.25	140.88907
600732.21 (98010824)	4134814.37	138.28911m (98010824)	600736.96	4134808.67	138.37969m
600741.71 (98010824)	4134802.98	138.25649m (98010824)	600746.46	4134797.29	137.52139m
600751.21 (98010824)	4134791.59	137.36559m (98010824)	600755.96	4134785.90	136.59578m
600760.71 (98010824)	4134780.20	135.59881m (98010824)	600765.46	4134774.51	134.36937m
600770.21 (98010824)	4134768.81	132.87775m (98010824)	600774.96	4134763.12	131.08576m
600779.71 (98010824)	4134757.42	128.96664m (98010824)	600784.46	4134751.73	126.48041m
600789.21 (98010824)	4134746.04	123.61096m (98010824)	600793.96	4134740.34	120.34941m
600798.71 (98010824)	4134734.65	116.72164m (98010824)	600803.46	4134728.95	112.82076m
600808.21 (99101224)	4134723.26	108.07171 (99101224)	600812.96	4134717.56	110.33660
600817.71 (99101224)	4134711.87	112.42357 (99101224)	600822.46	4134706.17	114.58412
600827.21 (99101224)	4134700.48	116.85013 (99101224)	600831.96	4134694.79	118.74016
600836.71 (99101224)	4134689.09	120.62491 (99101224)	600841.46	4134683.40	122.43066
600846.21 (99101224)	4134677.70	124.30722 (99101224)	600850.96	4134672.01	127.04488
600855.71 (99101224)	4134666.31	130.18817 (99101224)	600860.46	4134660.62	133.30491
600865.21 (99101224)	4134654.92	136.63229 (99101224)	600869.96	4134649.23	140.04230
600874.71 (99101224)	4134643.54	143.07595 (99101224)	600879.46	4134637.84	145.66576
600884.21 (99101224)	4134632.15	148.15646 (99101224)	600888.96	4134626.45	150.49959
600893.71 (99101224)	4134620.76	152.63258 (99101224)	600898.46	4134615.06	154.49085
600903.21 (99101224)	4134609.37	156.00170 (99101224)	600760.53	4134452.73	154.97222
600756.32 (99101224)	4134459.97	161.60067 (99101224)	600752.11	4134467.20	166.77616
600764.13 (99101224)	4134445.11	147.40040 (99101224)	600773.87	4134457.80	153.26430
600769.59 (99101224)	4134465.15	160.13238 (99101224)	600765.32	4134472.50	165.56633
600761.04 (99101224)	4134479.86	169.58402 (99101224)	600777.51	4134450.13	145.22098
600787.42 (99101224)	4134462.53	149.83204 (99101224)	600783.48	4134469.29	156.68197
600779.54 (99101224)	4134476.06	162.54308 (99101224)	600775.61	4134482.83	167.20013
600771.67 (99101224)	4134489.59	170.33185 (99101224)	600790.89	4134455.14	142.11327
600800.76 (99101224)	4134467.61	147.30547 (99101224)	600796.75	4134474.50	154.34127
600792.74 (99101224)	4134481.39	160.45711 (99101224)	600788.73	4134488.28	165.49278
600784.72 (99101224)	4134495.17	169.16203 (99101224)	600804.26	4134460.16	139.79513
600814.10 (99101224)	4134472.68	145.96727 (99101224)	600810.03	4134479.67	152.62334
600805.96 (99101224)	4134486.67	158.72954 (99101224)	600801.89	4134493.67	163.95489

600797.82	4134500.66	168.43576	(99101224)	600793.74	4134507.66	172.03137
(99101224)						
600817.64	4134465.18	138.90247	(99101224)	600827.45	4134477.74	144.78033
(99101224)						

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600823.33	4134484.82	151.25514	(99101224)	600819.20	4134491.91	157.28281
(99101224)						
600815.08	4134499.00	162.71772	(99101224)	600810.95	4134506.09	167.74009
(99101224)						
600806.83	4134513.18	171.57068	(99101224)	600831.01	4134470.19	138.01864
(99101224)						
600840.80	4134482.79	143.93353	(99101224)	600836.63	4134489.96	150.10869
(99101224)						
600832.46	4134497.13	155.70759	(99101224)	600828.29	4134504.29	161.69104
(99101224)						
600824.12	4134511.46	166.72012	(99101224)	600819.95	4134518.63	170.71745
(99101224)						
600815.78	4134525.79	173.72707	(99101224)	600844.39	4134475.21	137.39515
(99101224)						
600854.16	4134487.84	143.78219	(99101224)	600849.95	4134495.08	149.92025
(99101224)						
600845.74	4134502.31	155.63278	(99101224)	600841.53	4134509.55	160.97950
(99101224)						
600837.32	4134516.79	165.72769	(99101224)	600833.11	4134524.02	169.71352
(99101224)						
600828.90	4134531.26	172.76312	(99101224)	600857.77	4134480.22	137.24259
(99101224)						
600878.73	4134497.08	143.11036	(99101224)	600874.49	4134504.36	148.84601
(99101224)						
600870.26	4134511.63	154.23835	(99101224)	600866.03	4134518.91	158.81176
(99101224)						
600861.79	4134526.18	162.70809	(99101224)	600857.56	4134533.46	166.87725
(99101224)						
600853.32	4134540.74	170.26139	(99101224)	600849.09	4134548.01	172.51987
(99101224)						
600882.34	4134489.44	137.24673	(99101224)	600903.30	4134506.31	141.10864
(99101224)						
600899.04	4134513.62	146.89857	(99101224)	600894.79	4134520.93	152.99368
(99101224)						
600890.54	4134528.24	157.98649	(99101224)	600886.29	4134535.55	161.59656
(99101224)						
600882.03	4134542.85	164.77348	(99101224)	600877.78	4134550.16	167.25411
(99101224)						
600873.53	4134557.47	169.26486	(99101224)	600869.28	4134564.78	169.71926
(99101224)						
600906.92	4134498.66	135.62706	(99101224)	600927.87	4134515.54	137.25162

(99101224)	600923.60	4134522.88	141.57059	(99101224)	600919.33	4134530.21	146.72771
(99101224)	600915.06	4134537.55	151.81035	(99101224)	600910.80	4134544.88	156.25819
(99101224)	600906.53	4134552.21	159.90609	(99101224)	600902.26	4134559.55	162.44870
(99101224)	600897.99	4134566.88	163.91789	(99101224)	600893.73	4134574.22	164.54052
(99101224)	600889.46	4134581.55	164.32857	(99101224)	600931.50	4134507.88	132.98382
(99101224)	600952.44	4134524.77	133.89970	(99101224)	600948.16	4134532.13	137.76054
(99101224)	600943.88	4134539.48	141.76281	(99101224)	600939.60	4134546.84	145.93871
(99101224)	600935.32	4134554.20	149.93383	(99101224)	600931.04	4134561.55	153.51353
(99101224)	600926.76	4134568.91	156.30400	(99101224)	600922.48	4134576.27	158.04083
(99101224)	600918.20	4134583.62	158.78725	(99101224)	600913.92	4134590.98	158.82267
(99101224)	600909.63	4134598.33	158.16747	(99101224)	600956.08	4134517.09	130.21624
(99112724)	600781.09	4134434.66	146.72090	(99112724)	600797.50	4134422.93	146.79690
(99112724)	600795.46	4134434.22	143.81894	(99112724)	600793.41	4134445.50	140.23993
(99112724)	600811.83	4134422.72	145.38114	(99112724)	600809.80	4134433.87	142.14910
(99112724)	600807.78	4134445.01	138.31704	(99112724)	600828.14	4134411.52	145.81091
(99112724)	600826.14	4134422.55	144.25961	(99112724)	600824.14	4134433.59	141.34400
(99112724)	600822.14	4134444.62	137.47434	(99112724)	600820.14	4134455.66	132.88865
(99112724)	600842.44	4134411.47	144.87878	(99112724)	600840.45	4134422.42	143.31390
(99112724)	600838.47	4134433.36	140.47637	(99112724)	600836.48	4134444.30	136.60564

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600834.50 (99112724)	4134455.25	131.93421 (99112724)	600843.43	4134400.00	145.00276
600856.73 (99112724)	4134411.43	144.12006 (99112724)	600854.76	4134422.30	142.47916
600852.79 (99112724)	4134433.17	139.61260 (99112724)	600850.82	4134444.04	135.71370

600848.85 (99101224)	4134454.91	130.98825 (99112724)	600846.88	4134465.77	129.91181
600857.71 (99112724)	4134400.00	144.38722 (99112724)	600870.94	4134411.85	143.24392
600868.82 (99112724)	4134423.56	141.28704 (99112724)	600866.69	4134435.26	137.95534
600864.57 (99112724)	4134446.96	133.47717 (99112724)	600862.45	4134458.67	128.08994
600860.33 (99112724)	4134470.37	129.40194 (99101224)	600872.00	4134400.00	143.69511
600897.22 (99112724)	4134411.67	141.56167 (99112724)	600895.16	4134423.02	139.58352
600893.11 (99112724)	4134434.37	136.35117 (99112724)	600891.05	4134445.72	132.68615
600888.99 (99101224)	4134457.07	128.15792 (99112724)	600886.93	4134468.42	123.86612
600884.87 (99112724)	4134479.77	130.79359 (99101224)	600898.25	4134400.00	142.22975
600923.50 (99112724)	4134411.54	139.70698 (99112724)	600921.49	4134422.62	137.70478
600919.48 (99112724)	4134433.71	134.57163 (99112724)	600917.47	4134444.79	131.01400
600915.46 (99112724)	4134455.87	126.94359 (99112724)	600913.45	4134466.95	122.06347
600911.44 (99101224)	4134478.04	124.16754 (99101224)	600909.43	4134489.12	129.98179
600924.50 (99112724)	4134400.00	140.54930 (99112724)	600949.71	4134411.76	137.66589
600947.62 (99112724)	4134423.27	135.47649 (99112724)	600945.53	4134434.79	132.13990
600943.44 (99112724)	4134446.30	128.00437 (99112724)	600941.35	4134457.82	123.14815
600939.27 (99101224)	4134469.33	117.81043 (99112724)	600937.18	4134480.85	119.66726
600935.09 (99112724)	4134492.36	125.41573 (99101224)	600950.75	4134400.00	138.70340
600975.98 (99112724)	4134411.64	135.57091 (99112724)	600973.93	4134422.91	133.41862
600971.89 (99112724)	4134434.18	130.22943 (99112724)	600969.85	4134445.46	126.10751
600967.80 (99112724)	4134456.73	121.18580 (99112724)	600965.76	4134468.00	115.67612
600963.71 (99101224)	4134479.27	113.75914 (99101224)	600961.67	4134490.55	118.97767
600959.62 (99112724)	4134501.82	123.94679 (99101224)	600977.00	4134400.00	136.70622
600869.97 (99112724)	4134390.44	142.91158 (99112724)	600893.37	4134377.03	139.17053
600895.32 (99112724)	4134386.22	141.18751 (99112724)	600917.58	4134367.37	135.51511
600919.55 (99112724)	4134376.69	138.20882 (99112724)	600921.53	4134386.02	139.90159
600947.75 (98111524)	4134385.85	138.39272 (99112724)	600749.25	4134234.05	148.12003
600743.71 (99092324)	4134229.67	144.53082 (98111524)	600738.18	4134225.28	143.41525
600732.64 (00110124)	4134220.90	146.09851 (00110124)	600727.10	4134216.52	148.87070
600721.56 (00110124)	4134212.13	151.28722 (00110124)	600716.02	4134207.75	153.33017
600710.48 (00110124)	4134203.36	154.83812 (00110124)	600704.94	4134198.98	155.66806
600699.41 (98111524)	4134194.59	155.76270 (00110124)	600758.12	4134222.85	145.98903

600752.58 (00110124)	4134218.47	142.52394	(98111524)	600747.04	4134214.08	142.85421
600741.50 (00110124)	4134209.70	145.82935	(00110124)	600735.97	4134205.31	148.59151
600730.43 (00110124)	4134200.93	150.98796	(00110124)	600724.89	4134196.55	153.01457
600719.35 (00110124)	4134192.16	154.32021	(00110124)	600713.81	4134187.78	155.09501
600708.27 (98111524)	4134183.39	155.03947	(00110124)	600766.99	4134211.65	144.10960

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

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*MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): CON_ZONE , ***

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600761.45 (00110124)	4134207.27	141.47544 (99092324)	600755.91	4134202.88	143.09413
600750.37 (00110124)	4134198.50	145.87852 (00110124)	600744.83	4134194.11	148.09933
600739.29 (00110124)	4134189.73	150.01779 (00110124)	600733.76	4134185.34	151.64596
600728.22 (00110124)	4134180.96	152.77102 (00110124)	600722.68	4134176.58	153.52168
600717.14 (00110124)	4134172.19	153.83875 (00110124)	600777.74	4134186.69	139.54844
600772.20 (00110124)	4134182.30	142.55459 (00110124)	600766.66	4134177.92	144.92011
600761.13 (00110124)	4134173.53	146.85351 (00110124)	600755.59	4134169.15	148.35696
600750.05 (00110124)	4134164.76	149.42057 (00110124)	600744.51	4134160.38	150.04405
600738.97 (00110124)	4134155.99	150.43207 (00110124)	600733.43	4134151.61	150.30665
600794.04 (00110124)	4134166.11	138.83267 (00110124)	600788.50	4134161.72	141.43032
600782.96 (00110124)	4134157.34	143.61125 (00110124)	600777.42	4134152.95	145.37003
600771.88 (00110124)	4134148.57	146.71521 (00110124)	600766.34	4134144.18	147.64153
600821.41 (00110124)	4134154.29	133.09657 (99092324)	600815.87	4134149.91	134.61897
600810.33 (00110124)	4134145.52	137.61405 (00110124)	600804.79	4134141.14	140.13798
600799.25 (00110124)	4134136.75	142.11856 (00110124)	600793.71	4134132.37	143.69620
600788.17 (00110124)	4134127.99	144.88220 (00110124)	600782.64	4134123.60	145.67313
600777.10 (00110124)	4134119.22	146.06490 (00110124)	600771.56	4134114.83	146.07187
600766.02	4134110.45	145.69841 (00110124)	600854.31	4134146.87	135.58904

(98111524)	600848.78	4134142.48	133.47642	(98111524)	600843.24	4134138.10	131.27890
(98111524)	600837.70	4134133.71	130.77583	(00110124)	600832.16	4134129.33	133.99709
(00110124)	600826.62	4134124.94	136.54025	(00110124)	600821.08	4134120.56	138.69306
(00110124)	600815.55	4134116.17	140.47230	(00110124)	600810.01	4134111.79	141.87503
(00110124)	600804.47	4134107.40	142.90234	(00110124)	600798.93	4134103.02	143.56323
(00110124)	600793.39	4134098.64	143.85615	(00110124)	600787.85	4134094.25	143.78886
(00110124)	600782.31	4134089.87	143.36937	(00110124)	600689.04	4134187.28	158.62227
(00120924)	600677.86	4134179.88	159.83061	(00120924)	600671.86	4134176.13	159.75123
(00120924)	600665.86	4134172.38	159.25148	(00120924)	600659.86	4134168.63	158.40514
(00120924)	600653.86	4134164.88	157.03489	(00120924)	600647.86	4134161.13	155.25192
(00120924)	600641.86	4134157.38	153.50644	(00120924)	600697.04	4134175.47	158.13132
(00120924)	600691.43	4134171.51	159.09969	(00120924)	600685.43	4134167.76	159.60926
(00120924)	600679.43	4134164.01	159.28952	(00120924)	600673.43	4134160.26	158.45531
(00120924)	600667.43	4134156.51	157.42529	(00120924)	600661.43	4134152.76	156.03571
(00120924)	600655.43	4134149.01	154.47512	(00120924)	600649.43	4134145.26	152.79820
(00120924)	600703.53	4134162.60	157.32404	(00120924)	600693.00	4134155.65	157.94266
(00120924)	600687.00	4134151.90	157.67102	(00120924)	600681.00	4134148.15	157.03235
(00120924)	600675.00	4134144.40	156.08889	(00120924)	600669.00	4134140.65	154.99316
(00120924)	600663.00	4134136.90	153.59658	(00120924)	600657.00	4134133.15	152.32321
(00120924)	600651.00	4134129.40	151.00876	(00120924)	600718.04	4134140.76	153.29022
(00120924)	600706.91	4134133.39	154.80068	(00120924)	600700.91	4134129.64	155.21784
(00120924)	600694.91	4134125.89	155.26917	(00120924)	600688.91	4134122.14	154.99149
(00120924)							

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION
 *** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600682.91 (00120924)	4134118.39	154.40459	(00120924)	600676.91	4134114.64	153.53869
600670.91 (00120924)	4134110.89	152.41362	(00120924)	600664.91	4134107.14	151.07173
600745.79 (00120924)	4134096.19	148.99569	(00120924)	600755.91	4134103.32	145.42280
600734.74 (00120924)	4134088.87	151.47064	(00120924)	600728.74	4134085.12	152.23286
600722.74 (00120924)	4134081.37	152.60348	(00120924)	600716.74	4134077.62	152.59524
600710.74 (00120924)	4134073.87	152.23043	(00120924)	600704.74	4134070.12	151.54179
600698.74 (00120924)	4134066.37	150.56148	(00120924)	600692.74	4134062.62	149.34981
600760.18 (00120924)	4134074.26	146.37795	(00120924)	600771.25	4134082.06	142.29946
600748.65 (00120924)	4134066.61	149.13826	(00120924)	600742.65	4134062.86	149.99761
600736.65 (00120924)	4134059.11	150.47169	(00120924)	600730.65	4134055.36	150.58514
600724.65 (00120924)	4134051.61	150.34584	(00120924)	600718.65	4134047.86	149.80088
600712.65 (00120924)	4134044.11	148.97559	(00120924)	600706.65	4134040.36	147.82571
600641.60 (00120924)	4134120.86	147.99799	(00120924)	600657.67	4134100.10	148.44612
600684.64 (00120924)	4134054.59	147.03082	(00120924)	600700.71	4134033.83	145.80297
600773.98 (99091624)	4134438.26	147.30405	(99112724)	600592.69	4134142.61	158.00806m
600582.69 (99091624)	4134135.41	157.19445m	(99091624)	600596.87	4134136.82	156.87114m
600586.87 (99091624)	4134129.62	156.83375m	(99091624)	600601.04	4134131.02	156.00296m
600591.04 (99091624)	4134123.82	156.37254m	(99091624)	600605.22	4134125.22	155.08526m
600595.22 (99091624)	4134118.02	155.77442m	(99091624)	600609.39	4134119.43	154.05203m
600599.39 (99091624)	4134112.23	154.91354m	(99091624)	600613.56	4134113.63	152.98254m
600603.56 (99091624)	4134106.43	153.94832m	(99091624)	600622.74	4134111.43	149.49624m
600612.74 (99091624)	4134104.23	153.13059m	(99091624)	600602.74	4134097.03	150.40277m
600661.93 (99091624)	4134161.89	157.66735	(00120924)	600626.91	4134105.64	148.92565m
600616.91 (99091624)	4134098.44	152.02420m	(99091624)	600606.91	4134091.24	149.61513m
600663.03 (99091624)	4134144.54	154.79490	(00120924)	600631.08	4134099.84	148.70660m
600621.08 (99091624)	4134092.64	151.13180m	(99091624)	600611.08	4134085.44	148.84920m
600650.21 (00120924)	4134112.82	148.98953	(00120924)	600656.84	4134122.94	151.42428
600625.26 (99091624)	4134086.84	150.44139m	(99091624)	600615.26	4134079.64	148.24137m
600654.25 (00120924)	4134106.83	149.18694	(00120924)	600660.80	4134116.82	151.47083
600667.35 (00120924)	4134126.81	153.35309	(00120924)	600682.81	4134157.68	158.47446
600678.27 (99091624)	4134187.20	159.73358	(00120924)	600629.43	4134081.05	149.77144m
600619.43 (00120924)	4134073.85	147.66845m	(99091624)	600665.61	4134099.82	149.88198

600684.85 (00120924)	4134129.18	155.15793 (00120924)	600691.27	4134138.96	155.97013
600690.57 (99091624)	4134195.01	157.69396 (00120924)	600637.78	4134069.45	148.37783m
600627.78 (00120924)	4134062.25	146.60622m (99091624)	600677.96	4134094.35	151.33661
600684.70 (00120924)	4134104.62	153.46226 (00120924)	600691.44	4134114.90	154.69974
600708.28 (00120924)	4134140.58	154.94216 (00120924)	600710.71	4134151.79	155.37650
600707.91 (00110124)	4134170.00	156.31338 (00120924)	600702.30	4134206.43	155.43046
600702.49 (00120924)	4134107.43	154.50764 (00120924)	600709.09	4134117.50	154.56398
600715.70 (00120924)	4134127.58	153.81628 (00120924)	600724.69	4134148.64	151.41195

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** **

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YMMDDHH)	Y-COORD (M)	CONC (YMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600722.86 (99091624)	4134160.54	151.95563 (00110124)	600654.47	4134046.27	145.85360m
600644.47 (00120924)	4134039.07	144.38074m (99091624)	600697.32	4134075.22	151.52911
600733.07 (00110124)	4134129.74	150.01298 (00120924)	600738.66	4134145.51	149.50793
600735.96 (00110124)	4134163.09	151.22489 (00110124)	600734.16	4134174.81	151.76178
600731.45 (99091624)	4134192.38	151.74589 (00110124)	600667.82	4134038.27	144.77974m
600657.82 (00120924)	4134031.07	144.39254m (99091624)	600689.53	4134039.02	144.87949
600696.27 (00120924)	4134049.29	147.93593 (00120924)	600703.01	4134059.57	150.11579
600723.21 (00110124)	4134090.39	152.90763 (00120924)	600752.59	4134142.70	148.82412
600750.72 (00110124)	4134154.84	149.39337 (00110124)	600747.92	4134173.05	149.42142
600746.05 (99091624)	4134185.20	148.84798 (00110124)	600671.17	4134023.08	143.41289m
600661.17 (00120924)	4134015.88	142.07364m (99091624)	600697.83	4134027.35	143.98923
600717.73 (00120924)	4134057.70	150.83609 (00120924)	600724.37	4134067.82	151.72446
600731.00 (00120924)	4134077.94	151.80423 (00120924)	600747.58	4134103.24	148.05464
600754.22 (00110124)	4134113.36	145.73331 (00110124)	600764.73	4134151.53	147.72762
600762.89	4134163.49	147.41323 (00110124)	600760.13	4134181.43	146.10244

(00110124)							
600758.29	4134193.39	144.65620	(00110124)	600755.53	4134211.33	141.93690	
(99092324)							
600679.51	4134011.49	141.79537m	(99091624)	600669.51	4134004.29	140.87323m	
(99091624)							
600706.14	4134015.69	143.74161	(00120924)	600712.68	4134025.68	146.56579	
(00120924)							
600719.23	4134035.67	148.37759	(00120924)	600742.15	4134070.63	150.23319	
(00120924)							
600748.70	4134080.62	148.95170	(00120924)	600755.25	4134090.61	146.76195	
(00120924)							
600776.00	4134165.98	144.21366	(00110124)	600771.46	4134195.49	140.91732	
(99092324)							
600687.86	4133999.89	140.52843m	(99091624)	600677.86	4133992.69	139.64034m	
(99091624)							
600721.49	4133994.41	141.07876	(00120924)	600728.08	4134004.46	143.81967	
(00120924)							
600734.66	4134014.50	146.31846	(00120924)	600741.25	4134024.55	147.57613	
(00120924)							
600747.83	4134034.59	148.05198	(00120924)	600754.42	4134044.64	147.80291	
(00120924)							
600761.00	4134054.68	146.74847	(00120924)	600767.59	4134064.72	144.81609	
(00120924)							
600774.17	4134074.77	142.00243	(00120924)	600797.22	4134109.93	143.85456	
(00110124)							
600803.81	4134119.97	142.56400	(00110124)	600806.18	4134130.93	141.12318	
(00110124)							
600703.20	4133978.59	137.72535m	(99091624)	600693.20	4133971.39	137.28158m	
(99091624)							
600736.84	4133973.13	138.89468	(00120924)	600743.46	4133983.22	140.29878	
(00120924)							
600750.07	4133993.31	142.01747	(00120924)	600756.69	4134003.40	143.67616	
(00120924)							
600763.30	4134013.49	144.85742	(00120924)	600769.92	4134023.58	144.67360	
(00120924)							
600776.53	4134033.67	143.31565	(00120924)	600783.14	4134043.76	141.26727	
(00120924)							
600789.76	4134053.84	138.47799	(00120924)	600796.37	4134063.93	140.12706	
(00110124)							
600802.99	4134074.02	141.46232	(00110124)	600809.60	4134084.11	141.90680	
(00110124)							
600816.21	4134094.20	141.40038	(00110124)	600822.83	4134104.29	139.89709	
(00110124)							
600829.44	4134114.38	137.35459	(00110124)	600830.00	4134137.31	132.96416	
(00110124)							
600828.16	4134149.23	132.33166	(98111524)	600708.54	4133950.09	134.79383m	
(99091624)							
600752.19	4133951.85	137.19390	(00120924)	600758.83	4133961.97	138.23668	
(00120924)							
600765.47	4133972.10	138.90858	(00120924)	600772.11	4133982.22	139.22399	
(00120924)							

RF *** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI		IN MICROGRAMS/M**3		**	
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
600778.75	4133992.35	139.52414	(00120924)	600785.38	4134002.47	139.17639	
(00120924)							
600792.02	4134012.60	137.89137	(00120924)	600798.66	4134022.72	135.79271	
(00120924)							
600805.30	4134032.85	134.11805	(00110124)	600811.94	4134042.98	136.68906	
(00110124)							
600818.57	4134053.10	138.10220	(00110124)	600825.21	4134063.23	138.87501	
(00110124)							
600831.85	4134073.35	139.12097	(00110124)	600838.49	4134083.48	137.85406	
(00110124)							
600845.13	4134093.60	135.60901	(00110124)	600851.76	4134103.73	132.71390	
(00110124)							
600857.48	4134119.84	127.89224	(99092324)	600855.64	4134131.80	130.72534	
(98111524)							
600723.87	4133928.78	132.16268m	(99091624)	600767.54	4133930.56	135.25700	
(00120924)							
600774.20	4133940.72	135.92725	(00120924)	600780.86	4133950.87	136.22957	
(00120924)							
600787.52	4133961.03	136.18164	(00120924)	600794.17	4133971.18	135.71519	
(00120924)							
600800.83	4133981.34	134.77785	(00120924)	600807.49	4133991.49	133.26875	
(00120924)							
600814.15	4134001.65	131.15813	(00120924)	600820.80	4134011.80	130.26994	
(00110124)							
600827.46	4134021.96	132.76503	(00110124)	600834.12	4134032.12	134.34514	
(00110124)							
600840.78	4134042.27	135.16334	(00110124)	600847.44	4134052.43	135.32548	
(00110124)							
600854.09	4134062.58	134.55174	(00110124)	600860.75	4134072.74	132.55283	
(00110124)							
600867.41	4134082.89	129.97226	(00110124)	600874.07	4134093.05	126.56358	
(00110124)							
600880.73	4134103.20	125.11271	(99092324)	600883.13	4134114.28	128.92579	
(98111524)							
600881.28	4134126.29	132.34415	(98111524)	600739.21	4133907.48	129.39896m	
(99091624)							
600570.85	4134130.11	142.65968m	(99091624)	600562.60	4134121.21	124.20401	
(99042924)							
600575.45	4134124.42	144.44875m	(99091624)	600561.38	4134114.07	123.45675	
(99042924)							
600573.71	4134117.15	136.47434m	(99091624)	600547.81	4134109.11	119.53852	
(99042924)							
600568.64	4134109.04	122.68254m	(99091624)	600583.02	4134112.63	144.97014m	
(99091624)							
600534.86	4134108.81	118.30326	(99021024)	600541.01	4134105.33	118.56042	
(99021024)							
600547.15	4134101.86	118.26313	(99021024)	600560.14	4134100.09	121.73041	
(99042924)							
600566.99	4134101.79	121.90566	(99042924)	600573.84	4134103.50	126.22605m	
(99091624)							
600580.69	4134105.21	136.96814m	(99091624)	600587.54	4134106.92	145.89202m	
(99091624)							
600507.15	4134130.81	117.45635m	(98071208)	600502.50	4134136.59	119.25198m	
(98071208)							
600497.86	4134142.38	120.50195m	(98071208)	600493.22	4134148.16	121.54647m	
(98071208)							
600488.58	4134153.95	122.26615m	(98071208)	600483.93	4134159.74	122.85217	
(98011024)							

600479.29 (98011024)	4134165.52	124.09728 (98011024)	600474.65	4134171.31	125.07349
600470.00 (98011024)	4134177.09	125.80425 (98011024)	600465.36	4134182.88	126.26776
600460.72 (98011024)	4134188.66	126.36166 (98011024)	600456.08	4134194.45	126.12285
600451.43 (99021024)	4134200.24	125.45062 (98011024)	600528.63	4134104.71	117.23408
600534.56 (99021024)	4134101.36	117.71257 (99021024)	600546.41	4134094.65	117.70426
600558.94 (99042924)	4134092.95	120.62875 (99042924)	600572.14	4134096.24	120.15696
600585.35 (98071208)	4134099.54	138.34825m (99091624)	600501.58	4134126.34	118.56201m
600496.93 (98071208)	4134132.12	119.84191m (98071208)	600492.29	4134137.91	120.93328m
600487.65 (98071208)	4134143.69	121.70877m (98071208)	600483.00	4134149.48	122.23432m
600478.36 (98011024)	4134155.27	122.56468m (98071208)	600473.72	4134161.05	122.63319
600469.08 (98011024)	4134166.84	123.57839 (98011024)	600464.43	4134172.62	124.29304

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

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*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600459.79 (98011024)	4134178.41	124.67833 (98011024)	600455.15	4134184.19	124.70989
600450.50 (98011024)	4134189.98	124.37406 (98011024)	600445.86	4134195.77	123.69246
600522.57 (99021024)	4134100.52	115.84021 (99021024)	600534.09	4134094.00	117.10171
600545.61 (99042924)	4134087.48	117.14347 (99021024)	600557.79	4134085.83	119.44096
600570.63 (99091624)	4134089.03	119.89362 (99042924)	600583.47	4134092.23	130.71093m
600496.01 (98071208)	4134121.87	119.18492m (98071208)	600491.36	4134127.65	120.25779m
600486.72 (98071208)	4134133.44	121.08725m (98071208)	600482.08	4134139.22	121.67464m
600477.43 (98071208)	4134145.01	122.08116m (98071208)	600472.79	4134150.80	122.23486m
600468.15 (98071208)	4134156.58	122.47955m (98071208)	600463.51	4134162.37	122.56707m
600458.86 (00082924)	4134168.15	122.82775 (00082924)	600454.22	4134173.94	123.43291
600449.58 (00082924)	4134179.72	123.73240 (00082924)	600444.93	4134185.51	123.63672
600440.29	4134191.30	123.15885 (00082924)	600512.39	4134098.66	113.09356

(99021024)							
600525.06	4134091.49	115.68345	(99021024)	600537.73	4134084.32	116.66947	
(99021024)							
600544.07	4134080.73	116.65734	(99021024)	600564.53	4134080.67	119.67326	
(99042924)							
600578.66	4134084.19	118.65273m	(99091624)	600592.78	4134087.71	137.83315m	
(99091624)							
600599.85	4134089.48	145.02306m	(99091624)	600490.43	4134117.40	119.51285m	
(98071208)							
600485.79	4134123.18	120.39079m	(98071208)	600481.15	4134128.97	121.03847m	
(98071208)							
600476.51	4134134.75	121.51151m	(98071208)	600471.86	4134140.54	121.79368m	
(98071208)							
600467.22	4134146.32	122.03712m	(98071208)	600462.58	4134152.11	122.17623m	
(98071208)							
600457.93	4134157.90	122.10905m	(98071208)	600453.29	4134163.68	122.92309	
(00082924)							
600448.65	4134169.47	123.56602	(00082924)	600444.01	4134175.25	123.71219	
(00082924)							
600439.36	4134181.04	123.35663	(00082924)	600434.72	4134186.82	122.72881	
(00082924)							
600506.44	4134094.40	113.87235m	(98071208)	600512.58	4134090.93	112.67058	
(99021024)							
600518.72	4134087.45	114.06671	(99021024)	600524.87	4134083.97	115.09704	
(99021024)							
600531.01	4134080.50	115.71629	(99021024)	600537.15	4134077.02	116.07118	
(99021024)							
600543.30	4134073.54	116.07201	(99021024)	600556.29	4134071.78	117.06405	
(99042924)							
600563.14	4134073.48	118.76729	(99042924)	600569.99	4134075.19	118.47469	
(99042924)							
600576.84	4134076.90	116.88088	(99042924)	600583.69	4134078.61	121.05271m	
(99091624)							
600590.54	4134080.32	130.30627m	(99091624)	600597.39	4134082.02	138.50336m	
(99091624)							
600604.23	4134083.73	144.79888m	(99091624)	600484.86	4134112.93	119.62693m	
(98071208)							
600480.22	4134118.71	120.33288m	(98071208)	600475.58	4134124.50	120.86916m	
(98071208)							
600470.93	4134130.28	121.22284m	(98071208)	600466.29	4134136.07	121.49800m	
(98071208)							
600461.65	4134141.85	121.62068m	(98071208)	600457.01	4134147.64	121.59596m	
(98071208)							
600452.36	4134153.43	122.01385	(00082924)	600447.72	4134159.21	122.89001	
(00082924)							
600443.08	4134165.00	123.66388	(00082924)	600438.43	4134170.78	123.53666	
(00082924)							
600433.79	4134176.57	123.01941	(00082924)	600429.15	4134182.35	122.33667	
(00082924)							
600500.56	4134090.11	115.18352m	(98071208)	600512.54	4134083.33	112.16499	
(99021024)							
600524.52	4134076.55	114.48347	(99021024)	600536.50	4134069.77	115.42510	
(99021024)							
600555.16	4134064.66	115.71605	(99042924)	600568.51	4134067.99	117.90893	
(99042924)							
600575.19	4134069.65	116.82406	(99042924)	600588.55	4134072.98	123.05379m	
(99091624)							

ER *** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI IN MICROGRAMS/M**3				**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600595.22	4134074.65	131.51267m	(99091624)	600608.58	4134077.98	144.62497m
(99091624)						
600479.29	4134108.46	119.61497m	(98071208)	600474.65	4134114.24	120.14665m
(98071208)						
600470.01	4134120.03	120.63094m	(98071208)	600465.36	4134125.81	120.98403m
(98071208)						
600460.72	4134131.60	121.08769m	(98071208)	600456.08	4134137.38	120.98735m
(98071208)						
600451.44	4134143.17	121.06773	(00082924)	600446.79	4134148.96	121.90164
(00082924)						
600442.15	4134154.74	122.68840	(00082924)	600437.51	4134160.53	123.18068
(00082924)						
600432.86	4134166.31	123.28500	(00082924)	600428.22	4134172.10	122.69928
(00082924)						
600423.58	4134177.88	121.95674	(00082924)	600502.36	4134081.46	113.66294m
(98071208)						
600515.26	4134074.16	112.28291	(99021024)	600528.16	4134066.86	114.30318
(99021024)						
600541.06	4134059.56	114.91583	(99021024)	600554.71	4134057.71	114.59832
(99042924)						
600561.90	4134059.50	116.74141	(99042924)	600583.47	4134064.88	113.49466
(99042924)						
600605.05	4134070.26	138.18994m	(99091624)	600612.24	4134072.05	144.01976m
(99091624)						
600473.72	4134103.98	119.47957m	(98071208)	600469.08	4134109.77	119.96861m
(98071208)						
600464.44	4134115.56	120.39496m	(98071208)	600459.79	4134121.34	120.57333m
(98071208)						
600455.15	4134127.13	120.51269m	(98071208)	600450.51	4134132.91	120.24146
(00082924)						
600445.86	4134138.70	120.89576	(00082924)	600441.22	4134144.48	121.80246
(00082924)						
600436.58	4134150.27	122.49401	(00082924)	600431.94	4134156.06	122.80283
(00082924)						
600427.29	4134161.84	122.82975	(00082924)	600422.65	4134167.63	122.37938
(00082924)						
600418.01	4134173.41	121.56531	(00082924)	600484.15	4134076.52	117.55236m
(98071208)						
600490.30	4134073.04	115.91687m	(98071208)	600496.44	4134069.57	113.94384m
(98071208)						
600502.58	4134066.09	111.62927m	(98071208)	600508.73	4134062.62	109.65638
(99021024)						
600514.87	4134059.14	111.10825	(99021024)	600521.01	4134055.66	112.23654
(99021024)						
600527.16	4134052.19	113.00688	(99021024)	600533.30	4134048.71	113.40323
(99021024)						
600539.44	4134045.23	113.66099	(99021024)	600552.44	4134043.47	113.36899
(99021024)						
600559.29	4134045.17	114.14922	(99042924)	600566.14	4134046.88	115.41716
(99042924)						
600572.98	4134048.59	115.22316	(99042924)	600579.83	4134050.30	113.92798
(99042924)						

600586.68 (99091624)	4134052.01	111.48722 (99042924)	600593.53	4134053.71	116.46078m
600600.38 (99091624)	4134055.42	125.09154m (99091624)	600607.23	4134057.13	132.75596m
600614.08 (99091624)	4134058.84	139.05486m (99091624)	600620.93	4134060.55	143.69614m
600462.58 (98071208)	4134095.04	119.78855m (98071208)	600457.94	4134100.83	119.71880m
600453.29 (98071208)	4134106.62	119.44146m (98071208)	600448.65	4134112.40	119.30391m
600444.01 (00082924)	4134118.19	120.08857 (00082924)	600439.37	4134123.97	120.97672
600434.72 (00082924)	4134129.76	121.66872 (00082924)	600430.08	4134135.54	122.11597
600425.44 (00082924)	4134141.33	122.44869 (00082924)	600420.79	4134147.12	122.59275
600416.15 (00082924)	4134152.90	122.25898 (00082924)	600411.51	4134158.69	121.64704
600406.87 (98071208)	4134164.47	120.67281 (00082924)	600467.10	4134070.92	119.00535m
600473.48 (98071208)	4134067.31	118.07425m (98071208)	600479.86	4134063.70	116.81779m
600486.24 (98071208)	4134060.09	115.22896m (98071208)	600492.62	4134056.48	113.29922m
600499.00 (98071208)	4134052.87	111.03250m (98071208)	600505.38	4134049.26	108.43239m
600511.76 (99021024)	4134045.65	109.31949 (99021024)	600518.14	4134042.04	110.59457

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
 *** 01/05/16
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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600524.52 (99021024)	4134038.43	111.51409 (99021024)	600530.90	4134034.82	112.05544
600537.28 (99021024)	4134031.21	112.37522 (99021024)	600550.77	4134029.38	112.44885
600557.89 (99042924)	4134031.15	111.90900 (99021024)	600565.00	4134032.92	113.54995
600572.11 (99042924)	4134034.70	113.78029 (99042924)	600579.22	4134036.47	112.94090
600586.34 (99091624)	4134038.24	110.98227 (99042924)	600593.45	4134040.02	108.19952m
600446.79 (00082924)	4134091.89	119.13218m (98071208)	600442.15	4134097.67	119.97878
600437.51 (00082924)	4134103.46	120.81840 (00082924)	600432.87	4134109.25	121.57881
600428.22 (00082924)	4134115.03	122.32898 (00082924)	600423.58	4134120.82	122.72591
600418.94	4134126.60	122.99638 (00082924)	600414.29	4134132.39	123.05888

(00082924)							
600409.65	4134138.17	122.52226	(00082924)	600405.01	4134143.96	121.69836	
(00082924)							
600400.37	4134149.75	120.69830	(00082924)	600395.72	4134155.53	119.52721	
(00082924)							
600474.16	4134051.69	116.24140m	(98071208)	600480.30	4134048.21	114.88800m	
(98071208)							
600486.44	4134044.73	113.24061m	(98071208)	600492.59	4134041.26	111.30899m	
(98071208)							
600498.73	4134037.78	109.09095m	(98071208)	600504.87	4134034.30	106.60502m	
(98071208)							
600511.02	4134030.83	108.02508	(99021024)	600517.16	4134027.35	109.23816	
(99021024)							
600523.30	4134023.88	110.14105	(99021024)	600529.45	4134020.40	110.71369	
(99021024)							
600535.59	4134016.92	111.03311	(99021024)	600548.58	4134015.16	111.38463	
(99021024)							
600555.43	4134016.86	111.12473	(99021024)	600617.08	4134032.23	127.70350m	
(99091624)							
600623.92	4134033.94	133.80572m	(99091624)	600630.77	4134035.65	138.67479m	
(99091624)							
600637.62	4134037.36	142.19863m	(99091624)	600444.78	4134053.06	117.52513m	
(98071208)							
600451.11	4134049.48	117.37713m	(98071208)	600457.45	4134045.89	116.94192m	
(98071208)							
600489.12	4134027.97	110.39896m	(98071208)	600495.46	4134024.39	108.24074m	
(98071208)							
600501.80	4134020.80	105.81864m	(98071208)	600508.13	4134017.22	106.21778	
(99021024)							
600514.47	4134013.63	107.55363	(99021024)	600520.80	4134010.05	108.58037	
(99021024)							
600527.14	4134006.46	109.27631	(99021024)	600533.47	4134002.88	109.63357	
(99021024)							
600575.12	4134008.10	110.28122	(99042924)	600582.19	4134009.86	109.80151	
(99042924)							
600589.25	4134011.62	108.28376	(99042924)	600596.31	4134013.38	105.99520	
(99042924)							
600603.38	4134015.14	105.26388	(00011224)	600610.44	4134016.91	113.27554m	
(99091624)							
600617.50	4134018.67	120.88119m	(99091624)	600624.57	4134020.43	127.68548m	
(99091624)							
600631.63	4134022.19	133.44235m	(99091624)	600638.69	4134023.95	137.99381m	
(99091624)							
600645.76	4134025.71	141.25144m	(99091624)	600424.51	4134074.01	122.77023	
(00082924)							
600419.87	4134079.79	123.30067	(00082924)	600415.23	4134085.58	123.62041	
(00082924)							
600410.58	4134091.36	123.75537	(00082924)	600405.94	4134097.15	123.53918	
(00082924)							
600401.30	4134102.93	123.08833	(00082924)	600396.65	4134108.72	122.42341	
(00082924)							
600392.01	4134114.51	121.55690	(00082924)	600387.37	4134120.29	120.49503	
(00082924)							
600382.73	4134126.08	119.24027	(00082924)	600378.08	4134131.86	117.78856	
(00082924)							
600373.44	4134137.65	116.14249	(00082924)	600433.44	4134044.23	118.52571	
(00082924)							
600439.59	4134040.76	116.24628	(00082924)	600445.73	4134037.28	116.12719m	
(98071208)							
600451.87	4134033.80	115.80106m	(98071208)	600458.02	4134030.33	115.21130m	
(98071208)							
600464.16	4134026.85	114.36566m	(98071208)	600470.30	4134023.38	113.26047m	
(98071208)							

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*MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600501.02 (99021024)	4134005.99	104.07340m (98071208)	600507.16	4134002.52	104.83493
600513.31 (99021024)	4133999.04	106.12838 (99021024)	600519.45	4133995.57	107.14240
600544.73 (99021024)	4133986.85	108.60675 (99021024)	600551.58	4133988.55	108.42219
600558.43 (99042924)	4133990.26	107.83396 (99021024)	600565.28	4133991.97	106.93497
600572.13 (99042924)	4133993.68	108.05005 (99042924)	600578.98	4133995.38	108.35130
600585.83 (99042924)	4133997.09	107.79294 (99042924)	600592.68	4133998.80	106.40737
600599.52 (00011224)	4134000.51	104.33025 (99042924)	600606.37	4134002.22	102.93449
600613.22 (99091624)	4134003.92	109.08203m (99091624)	600620.07	4134005.63	116.34678m
600626.92 (99091624)	4134007.34	123.01689m (99091624)	600633.77	4134009.05	128.89578m
600640.62 (99091624)	4134010.76	133.81026m (99091624)	600647.47	4134012.46	137.65220m
600654.32 (00082924)	4134014.17	140.39754m (99091624)	600427.30	4134047.71	120.33698
600413.37 (00082924)	4134065.07	123.25474 (00082924)	600408.73	4134070.85	123.57153
600404.08 (00082924)	4134076.64	123.60564 (00082924)	600399.44	4134082.42	123.37978
600394.80 (00082924)	4134088.21	122.91517 (00082924)	600390.16	4134093.99	122.23132
600385.51 (00082924)	4134099.78	121.33042 (00082924)	600380.87	4134105.57	120.22870
600376.23 (00082924)	4134111.35	118.92918 (00082924)	600371.58	4134117.14	117.42407
600366.94 (00082924)	4134122.92	115.71983 (00082924)	600362.30	4134128.71	113.80343
600422.46 (00082924)	4134035.20	120.07105 (00082924)	600428.77	4134031.63	118.20278
600435.07 (98071208)	4134028.06	115.85857 (00082924)	600441.38	4134024.50	114.75578m
600447.68 (98071208)	4134020.93	114.45924m (98071208)	600453.99	4134017.36	113.90417m
600460.29 (98071208)	4134013.79	113.08821m (98071208)	600466.60	4134010.23	112.01793m
600472.90 (98071208)	4134006.66	110.70287m (98071208)	600479.21	4134003.09	109.14218m
600485.51 (99021024)	4133999.52	107.35466m (98071208)	600529.65	4133974.55	106.89292

600542.99 (99021024)	4133972.73	107.46293 (99021024)	600550.01 (99021024)	4133974.49	107.38530 (99021024)
600557.04 (99021024)	4133976.24	106.86326 (99021024)	600564.07 (99021024)	4133977.99	105.88339 (99021024)
600571.10 (99042924)	4133979.75	105.97764 (99042924)	600578.13 (99042924)	4133981.50	106.63629 (99042924)
600585.16 (99042924)	4133983.25	106.51087 (99042924)	600592.19 (99042924)	4133985.00	105.57347 (99042924)
600599.22 (99042924)	4133986.76	103.84154 (99042924)	600606.25 (99042924)	4133988.51	101.36891 (99042924)
600613.28 (00011224)	4133990.26	104.04412 (00011224)	600620.31 (00011224)	4133992.02	109.68529 (00011224)
600627.34 (99091624)	4133993.77	116.63017m (99091624)	600634.37 (99091624)	4133995.52	123.01428m (99091624)
600641.40 (99091624)	4133997.28	128.59559m (99091624)	600648.43 (99091624)	4133999.03	133.22378m (99091624)
600655.46 (99091624)	4134000.78	136.82090m (99091624)	600662.48 (99091624)	4134002.53	139.35464m (99091624)
600416.16 (00082924)	4134038.77	121.47410 (00082924)	600402.23 (00082924)	4134056.12	123.33984 (00082924)
600397.58 (00082924)	4134061.91	123.36282 (00082924)	600392.94 (00082924)	4134067.70	123.12248 (00082924)
600388.30 (00082924)	4134073.48	122.63949 (00082924)	600383.66 (00082924)	4134079.27	121.92454 (00082924)
600379.01 (00082924)	4134085.05	120.99247 (00082924)	600374.37 (00082924)	4134090.84	119.85100 (00082924)
600369.73 (00082924)	4134096.62	118.50328 (00082924)	600365.08 (00082924)	4134102.41	116.94469 (00082924)
600360.44 (00082924)	4134108.20	115.18165 (00082924)	600355.80 (00082924)	4134113.98	113.20499 (00082924)
600351.16 (00082924)	4134119.77	111.00539 (00082924)	600411.47 (00082924)	4134026.18	121.14163 (00082924)
600417.92 (00082924)	4134022.53	119.69144 (00082924)	600424.37 (00082924)	4134018.88	117.76571 (00082924)

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*** 01/05/16

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600430.82 (98071208)	4134015.23	115.34207 (00082924)	600437.27	4134011.58	113.31280m
600443.72 (98071208)	4134007.93	113.03409m (98071208)	600450.17	4134004.28	112.50409m
600456.62 (98071208)	4134000.63	111.71462m (98071208)	600463.07	4133996.98	110.67724m
600469.52 (98071208)	4133993.33	109.40034m (98071208)	600475.97	4133989.68	107.89171m
600482.42 (98071208)	4133986.03	106.16186m (98071208)	600488.87	4133982.38	104.22637m
600495.32	4133978.73	102.08141m (98071208)	600527.58	4133960.48	105.45431

(99021024)							
600541.22	4133958.62	106.27228	(99021024)	600548.41	4133960.41	106.33728	
(99021024)							
600555.60	4133962.21	105.96530	(99021024)	600562.80	4133964.00	105.13965	
(99021024)							
600569.99	4133965.79	104.06047	(99042924)	600577.18	4133967.59	105.01196	
(99042924)							
600584.37	4133969.38	105.20270	(99042924)	600591.56	4133971.17	104.60677	
(99042924)							
600598.75	4133972.97	103.22103	(99042924)	600605.95	4133974.76	101.08319	
(99042924)							
600613.14	4133976.55	99.25494	(00011224)	600620.33	4133978.35	105.11162	
(00011224)							
600627.52	4133980.14	110.50911	(00011224)	600634.71	4133981.93	116.84548m	
(99091624)							
600641.90	4133983.73	122.94416m	(99091624)	600649.09	4133985.52	128.22144m	
(99091624)							
600656.29	4133987.31	132.58281m	(99091624)	600663.48	4133989.11	135.94466m	
(99091624)							
600670.67	4133990.90	138.28119m	(99091624)	600405.01	4134029.83	122.14106	
(00082924)							
600386.44	4134052.97	122.76271	(00082924)	600381.80	4134058.75	122.25552	
(00082924)							
600377.16	4134064.54	121.51183	(00082924)	600372.51	4134070.33	120.54407	
(00082924)							
600367.87	4134076.11	119.36077	(00082924)	600363.23	4134081.90	117.96640	
(00082924)							
600358.59	4134087.68	116.36261	(00082924)	600353.94	4134093.47	114.53510	
(00082924)							
600349.30	4134099.25	112.49903	(00082924)	600344.66	4134105.04	110.24314	
(00082924)							
600340.01	4134110.83	107.75406	(00082924)	600390.89	4134009.81	121.94309	
(00082924)							
600397.23	4134006.22	121.31308	(00082924)	600403.58	4134002.63	120.27127	
(00082924)							
600409.92	4133999.04	118.79902	(00082924)	600416.27	4133995.44	116.87152	
(00082924)							
600422.61	4133991.85	114.48365	(00082924)	600428.96	4133988.26	111.61313	
(00082924)							
600435.31	4133984.67	110.34588m	(98071208)	600441.65	4133981.08	109.91988m	
(98071208)							
600448.00	4133977.49	109.27290m	(98071208)	600454.34	4133973.90	108.42445m	
(98071208)							
600460.69	4133970.31	107.36105m	(98071208)	600467.03	4133966.72	106.10960m	
(98071208)							
600492.42	4133952.36	99.33301m	(98071208)	600498.76	4133948.77	98.33577	
(99021024)							
600505.11	4133945.18	99.81165	(99021024)	600511.45	4133941.59	101.04625	
(99021024)							
600517.80	4133938.00	102.04431	(99021024)	600524.14	4133934.41	102.77684	
(99021024)							
600544.64	4133934.34	104.27395	(99021024)	600551.71	4133936.11	104.22643	
(99021024)							
600558.79	4133937.87	103.77730	(99021024)	600565.86	4133939.64	102.92632	
(99021024)							
600572.94	4133941.40	101.67230	(99021024)	600580.01	4133943.17	102.33123	
(99042924)							
600587.08	4133944.93	102.59183	(99042924)	600594.16	4133946.69	102.17143	
(99042924)							
600601.23	4133948.46	101.06627	(99042924)	600608.31	4133950.22	99.30216	
(99042924)							
600615.38	4133951.99	96.93360	(99042924)	600622.46	4133953.75	98.60843	
(00011224)							
600629.53	4133955.51	103.96702	(00011224)	600636.60	4133957.28	108.93259	

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(00011224)
600643.68 4133959.04 113.44820 (00011224) 600650.75 4133960.81 118.86053m
(99091624)
600657.83 4133962.57 123.93436m (99091624) 600664.90 4133964.33 128.26172m
(99091624)
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*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600671.98 (99091624)	4133966.10	131.79055m (99091624)	600679.05	4133967.86	134.46074m
600686.12 (00082924)	4133969.63	136.28301m (99091624)	600384.54	4134013.40	122.18589
600379.90 (00082924)	4134019.18	122.18836 (00082924)	600365.97	4134036.54	120.62837
600361.33 (00082924)	4134042.33	119.62952 (00082924)	600356.68	4134048.11	118.40186
600352.04 (00082924)	4134053.90	116.95266 (00082924)	600347.40	4134059.68	115.28815
600342.76 (00082924)	4134065.47	113.41092 (00082924)	600338.11	4134071.25	111.30407
600333.47 (00082924)	4134077.04	108.98334 (00082924)	600328.83	4134082.83	106.44372
600324.18 (00082924)	4134088.61	103.67625 (00082924)	600319.54	4134094.40	100.69232
600370.33 (00082924)	4133993.42	121.20420 (00082924)	600376.60	4133989.88	121.29013
600382.86 (00082924)	4133986.33	121.01480 (00082924)	600389.13	4133982.79	120.36453
600395.39 (00082924)	4133979.24	119.31680 (00082924)	600401.66	4133975.70	117.84696
600407.92 (00082924)	4133972.16	115.95366 (00082924)	600414.19	4133968.61	113.61537
600420.45 (00082924)	4133965.07	110.82843 (00082924)	600426.71	4133961.52	107.59512
600432.98 (98071208)	4133957.98	107.18780m (98071208)	600439.24	4133954.43	106.66431m
600445.51 (98071208)	4133950.89	105.95528m (98071208)	600464.30	4133940.25	102.83262m
600470.57 (98071208)	4133936.71	101.48485m (98071208)	600476.83	4133933.16	99.99173m
600483.10 (98071208)	4133929.62	98.37031m (98071208)	600489.36	4133926.07	96.61651m
600495.63 (99021024)	4133922.53	95.43625 (99021024)	600501.89	4133918.99	96.90157
600508.16 (99021024)	4133915.44	98.16973 (99021024)	600514.42	4133911.90	99.21794
600520.69 (99021024)	4133908.35	100.04333 (99021024)	600533.93	4133906.55	101.49434

600540.92 (99021024)	4133908.29	102.03382 (99021024)	600561.87 (99021024)	4133913.51	101.60728
600568.85 (99021024)	4133915.26	100.74968 (99021024)	600575.84 (99021024)	4133917.00	99.53005
600582.82 (99042924)	4133918.74	99.69976 (99042924)	600589.81 (99042924)	4133920.48	100.01455
600596.79 (99042924)	4133922.22	99.73658 (99042924)	600603.78 (99042924)	4133923.96	98.85405
600610.76 (99042924)	4133925.71	97.38974 (99042924)	600617.74 (99042924)	4133927.45	95.37550
600624.73 (00011224)	4133929.19	92.85863 (99042924)	600631.71 (99042924)	4133930.93	97.87102
600638.70 (00011224)	4133932.67	102.81942 (00011224)	600645.68 (00011224)	4133934.41	107.40807
600652.66 (00011224)	4133936.15	111.59862 (00011224)	600659.65 (00011224)	4133937.90	115.38806
600666.63 (99091624)	4133939.64	119.88916m (99091624)	600673.62 (99091624)	4133941.38	124.13973m
600680.60 (99091624)	4133943.12	127.71945m (99091624)	600687.58 (99091624)	4133944.86	130.58092m
600694.57 (99091624)	4133946.60	132.70685m (99091624)	600701.55 (99091624)	4133948.35	134.10532m
600364.07 (00082924)	4133996.97	120.77819 (00082924)	600359.43 (00082924)	4134002.75	120.23663
600345.50 (00082924)	4134020.11	117.14016 (00082924)	600340.85 (00082924)	4134025.90	115.64315
600336.21 (00082924)	4134031.68	113.93154 (00082924)	600331.57 (00082924)	4134037.47	111.99829
600326.93 (00082924)	4134043.25	109.85194 (00082924)	600322.28 (00082924)	4134049.04	107.47977
600317.64 (00082924)	4134054.83	104.89438 (00082924)	600313.00 (00082924)	4134060.61	102.10291
600308.35 (00082924)	4134066.40	99.08889 (00082924)	600303.71 (00082924)	4134072.18	95.87596
600299.07 (00082924)	4134077.97	96.22957 (00082108)	600350.02 (00082924)	4133976.91	119.05670
600356.44 (00082924)	4133973.27	119.79459 (00082924)	600362.86 (00082924)	4133969.64	120.18667
600369.28 (00082924)	4133966.00	120.21798 (00082924)	600375.70 (00082924)	4133962.37	119.86321

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
 *** 01/05/16
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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600382.13 (00082924)	4133958.74	119.11478 (00082924)	600388.55	4133955.10	117.94428
600394.97 (00082924)	4133951.47	116.34189 (00082924)	600401.39	4133947.84	114.29670
600407.81	4133944.20	111.79727 (00082924)	600414.24	4133940.57	108.83395

(00082924)							
600420.66	4133936.94	105.42722	(00082924)	600439.92	4133926.03	102.96171m	
(98071208)							
600446.35	4133922.40	102.12146m	(98071208)	600452.77	4133918.77	101.13119m	
(98071208)							
600459.19	4133915.13	100.00809m	(98071208)	600465.61	4133911.50	98.74723m	
(98071208)							
600472.03	4133907.87	97.37429m	(98071208)	600478.46	4133904.23	95.88060m	
(98071208)							
600484.88	4133900.60	94.27911m	(98071208)	600491.30	4133896.96	92.57112m	
(98071208)							
600497.72	4133893.33	93.79920	(99021024)	600504.14	4133889.70	95.15106	
(99021024)							
600510.57	4133886.06	96.30687	(99021024)	600516.99	4133882.43	97.24257	
(99021024)							
600530.57	4133880.58	98.97968	(99021024)	600537.73	4133882.37	99.71028	
(99021024)							
600544.89	4133884.15	100.11282	(99021024)	600552.05	4133885.94	100.19555	
(99021024)							
600573.53	4133891.29	98.26527	(99021024)	600580.69	4133893.08	96.94512	
(99021024)							
600587.85	4133894.86	97.20682	(99042924)	600595.00	4133896.65	97.48661	
(99042924)							
600602.16	4133898.43	97.10456	(99042924)	600609.32	4133900.22	96.15537	
(99042924)							
600616.48	4133902.01	94.65172	(99042924)	600623.64	4133903.79	92.63441	
(99042924)							
600630.80	4133905.58	90.14416	(99042924)	600637.96	4133907.36	95.01438	
(00011224)							
600645.12	4133909.15	99.90208	(00011224)	600652.28	4133910.93	104.44348	
(00011224)							
600659.44	4133912.72	108.61681	(00011224)	600666.60	4133914.50	112.39849	
(00011224)							
600673.76	4133916.29	115.78140	(00011224)	600680.92	4133918.07	119.36699m	
(99091624)							
600688.08	4133919.86	123.17891m	(99091624)	600695.24	4133921.64	126.34504m	
(99091624)							
600702.40	4133923.43	128.83301m	(99091624)	600709.56	4133925.21	130.62609m	
(99091624)							
600716.72	4133927.00	131.73398m	(99091624)	600343.59	4133980.54	117.98282	
(00082924)							
600338.95	4133986.32	116.91626	(00082924)	600334.31	4133992.11	115.61432	
(00082924)							
600320.38	4134009.47	110.36087	(00082924)	600315.74	4134015.25	108.17431	
(00082924)							
600311.09	4134021.04	105.77004	(00082924)	600306.45	4134026.82	103.16295	
(00082924)							
600301.81	4134032.61	100.34316	(00082924)	600297.17	4134038.40	97.33138	
(00082924)							
600292.52	4134044.18	94.11552	(00082924)	600287.88	4134049.97	94.24752	
(00082108)							
600283.24	4134055.75	95.33382	(00082108)	600278.59	4134061.54	96.15161	
(00082108)							
600329.47	4133960.52	115.53986	(00082924)	600335.82	4133956.93	116.89723	
(00082924)							
600342.16	4133953.34	117.93330	(00082924)	600348.51	4133949.75	118.64450	
(00082924)							
600354.86	4133946.15	119.01192	(00082924)	600361.20	4133942.56	119.02399	
(00082924)							
600367.55	4133938.97	118.65967	(00082924)	600373.90	4133935.38	117.91265	
(00082924)							
600380.24	4133931.79	116.76315	(00082924)	600386.59	4133928.20	115.19783	
(00082924)							
600392.94	4133924.61	113.20939	(00082924)	600399.28	4133921.02	110.79277	

(00082924)	600418.32	4133910.24	101.32170m (98071208)	600424.67	4133906.65	100.87103m
(98071208)	600431.02	4133903.06	100.29016m (98071208)	600437.36	4133899.47	99.57833m
(98071208)	600443.71	4133895.88	98.74844m (98071208)	600450.06	4133892.29	97.79658m
(98071208)	600456.40	4133888.70	96.74271m (98071208)	600462.75	4133885.11	95.57982m
(98071208)	600469.10	4133881.51	94.32700m (98071208)	600475.44	4133877.92	92.98525m
(98071208)						

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600481.79	4133874.33	91.54986m (98071208)	600488.14	4133870.74	90.03717m
(98071208)					
600494.48	4133867.15	90.93460 (99021024)	600500.83	4133863.56	92.17280
(99021024)					
600507.18	4133859.97	93.20995 (99021024)	600513.52	4133856.38	94.08291
(99021024)					
600526.95	4133854.55	95.94142 (99021024)	600534.02	4133856.31	96.85220
(99021024)					
600541.10	4133858.08	97.51476 (99021024)	600548.17	4133859.84	97.88781
(99021024)					
600555.25	4133861.61	97.96001 (99021024)	600562.32	4133863.37	97.70841
(99021024)					
600569.40	4133865.14	96.89556 (99021024)	600583.55	4133868.67	94.27124
(99021024)					
600590.63	4133870.43	93.84347 (99042924)	600597.70	4133872.19	94.05553
(99042924)					
600604.78	4133873.96	93.87155 (99042924)	600611.85	4133875.72	93.17980
(99042924)					
600618.93	4133877.49	91.99482 (99042924)	600626.00	4133879.25	90.30416
(99042924)					
600633.08	4133881.02	88.21223 (99042924)	600640.15	4133882.78	88.76932
(00011224)					
600647.23	4133884.54	93.68142 (00011224)	600654.31	4133886.31	98.25519
(00011224)					
600661.38	4133888.07	102.56266 (00011224)	600668.46	4133889.84	106.54083
(00011224)					
600675.53	4133891.60	110.17941 (00011224)	600682.61	4133893.37	113.47606
(00011224)					
600689.68	4133895.13	116.34524 (00011224)	600696.76	4133896.90	119.34398m
(99091624)					
600703.84	4133898.66	122.51987m (99091624)	600710.91	4133900.42	125.11069m
(99091624)					
600717.99	4133902.19	127.10409m (99091624)	600725.06	4133903.95	128.47473m
(99091624)					

600732.14 (00082924)	4133905.72	129.23507m (99091624)	600323.12	4133964.11	113.88016
600318.48 (00082924)	4133969.90	112.32270 (00082924)	600313.84	4133975.68	110.54383
600299.91 (00082924)	4133993.04	103.90211 (00082924)	600295.26	4133998.82	101.27352
600290.62 (00082924)	4134004.61	98.45877 (00082924)	600285.98	4134010.40	95.45042
600281.34 (00082108)	4134016.18	92.26424 (00082924)	600276.69	4134021.97	91.95243
600272.05 (00082108)	4134027.75	93.18978 (00082108)	600267.41	4134033.54	94.21216
600262.76 (00082108)	4134039.32	94.98618 (00082108)	600258.12	4134045.11	95.48129
600448.80 (00082924)	4134210.23	125.04041 (98011024)	600439.21	4134221.05	122.07841
600441.87 (00102824)	4134210.94	122.87491 (98011024)	600429.54	4134232.17	120.33862
600432.22 (00082924)	4134221.95	120.86614 (00082924)	600434.91	4134211.73	121.73101
600437.60 (00102824)	4134201.51	122.50512 (00082924)	600419.81	4134243.49	118.61350
600422.52 (00082924)	4134233.19	118.49166 (00082924)	600425.23	4134222.89	119.60932
600427.94 (00082924)	4134212.58	120.63234 (00082924)	600430.65	4134202.28	121.55149
600412.77 (00082924)	4134244.60	115.92486 (00102824)	600415.50	4134234.23	116.95095
600418.23 (00082924)	4134223.85	118.26058 (00082924)	600420.96	4134213.48	119.45378
600423.69 (00082924)	4134203.10	120.53295 (00082924)	600426.42	4134192.73	121.49439
600407.31 (00082924)	4134255.45	113.88790 (00102824)	600405.73	4134245.72	113.56739
600408.47 (00082924)	4134235.29	115.25281 (00082924)	600411.22	4134224.85	116.77631
600413.97 (00082924)	4134214.41	118.15332 (00082924)	600416.71	4134203.98	119.39762
600419.46 (00082924)	4134193.54	120.51640 (00082924)	600398.68	4134246.85	111.40205
600401.44 (00082924)	4134236.35	113.35071 (00082924)	600404.20	4134225.86	115.10634
600406.96 (00082924)	4134215.37	116.68804 (00082924)	600409.73	4134204.88	118.12005
600412.49 (00082924)	4134194.39	119.40381 (00082924)	600415.25	4134183.90	120.55365

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600387.38 (00082924)	4134238.52	108.76176 (00082924)	600390.16	4134227.94	111.04409
600392.95 (00082924)	4134217.36	113.10941 (00082924)	600395.73	4134206.79	114.96464
600398.51 (00082924)	4134196.21	116.63549 (00082924)	600401.30	4134185.63	118.13839
600404.08 (98011024)	4134175.05	119.48405 (00082924)	600387.22	4134284.31	114.56949
600381.18 (98011024)	4134275.10	109.17022 (98011024)	600375.14	4134265.89	104.17130
600376.11 (00082924)	4134230.07	105.79063 (00082924)	600378.91	4134219.42	108.40985
600381.71 (00082924)	4134208.77	110.78197 (00082924)	600384.52	4134198.12	112.92587
600387.32 (00082924)	4134187.48	114.85707 (00082924)	600390.12	4134176.83	116.59223
600392.92 (98011024)	4134166.18	118.14512 (00082924)	600379.29	4134296.01	115.22931
600373.22 (98011024)	4134286.75	109.41305 (98011024)	600367.15	4134277.50	104.05498
600361.08 (99021824)	4134268.24	99.99176 (99021824)	600356.41	4134253.63	96.17845
600364.86 (00082924)	4134221.52	102.38170 (00082924)	600367.68	4134210.82	105.33616
600370.50 (00082924)	4134200.11	108.02559 (00082924)	600373.31	4134189.41	110.46349
600376.13 (98011024)	4134178.70	112.67131 (00082924)	600367.20	4134301.37	111.48630
600361.36 (99021824)	4134292.46	105.90138 (98011024)	600355.51	4134283.56	104.06390
600349.67 (99021824)	4134274.65	103.24201 (99021824)	600343.83	4134265.74	102.38507
600342.26 (99021824)	4134256.13	100.11032 (99021824)	600344.97	4134245.83	95.75223
600347.68 (00082924)	4134235.53	92.89047 (00082108)	600353.11	4134214.92	97.86065
600355.82 (00082924)	4134204.62	101.05850 (00082924)	600369.37	4134153.10	113.45005
600359.17 (99021824)	4134312.92	111.16496 (98011024)	600353.28	4134303.95	108.37595
600347.40 (99021824)	4134294.98	107.45053 (99021824)	600341.52	4134286.01	106.72488
600335.63 (99021824)	4134277.04	106.37792 (99021824)	600329.75	4134268.07	105.80859
600328.17 (99021824)	4134258.40	103.84490 (99021824)	600330.90	4134248.02	99.71090
600333.63 (00082108)	4134237.65	94.90474 (99021824)	600336.36	4134227.27	93.12463
600347.28 (00082924)	4134185.77	100.13488 (00082924)	600350.01	4134175.40	103.13878
600352.74 (00082924)	4134165.02	105.90104 (00082924)	600355.47	4134154.65	108.42847
600358.20 (99021824)	4134144.27	110.73686 (00082924)	600351.18	4134324.54	111.52411
600345.26 (99021824)	4134315.51	111.01530 (99021824)	600339.34	4134306.49	110.18028
600333.42 (99021824)	4134297.47	109.67104 (99021824)	600327.50	4134288.44	109.32719
600321.58 (99021824)	4134279.42	109.00704 (99021824)	600315.67	4134270.39	108.10562
600314.08 (99021824)	4134260.66	106.41109 (99021824)	600316.83	4134250.23	103.11407
600330.56	4134198.04	95.61643 (00082108)	600333.30	4134187.61	96.56238

(00082108)	600336.05	4134177.17	97.28268	(00082108)	600338.80	4134166.73	99.10507
(00082924)	600341.54	4134156.30	102.15512	(00082924)	600344.29	4134145.86	104.96955
(00082924)	600347.04	4134135.42	107.55255	(00082924)	600343.23	4134336.21	113.34530
(99021824)	600337.28	4134327.14	112.77805	(99021824)	600331.33	4134318.07	111.92326
(99021824)	600325.38	4134309.00	111.49592	(99021824)	600319.43	4134299.93	111.33041
(99021824)	600313.48	4134290.86	110.89139	(99021824)	600307.53	4134281.79	110.12613
(99021824)	600301.58	4134272.72	109.37130	(99021824)	600308.27	4134231.46	97.86410
(99021824)	600311.03	4134220.97	92.90025	(99021824)	600313.79	4134210.48	93.17907
(00082108)							

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 *** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600322.07 (00082108)	4134179.01	96.70375 (00082108)	600324.83	4134168.52	97.52012
600327.59 (00082108)	4134158.03	98.02236 (00082108)	600330.35	4134147.54	98.13269
600333.11 (00082924)	4134137.05	101.05243 (00082924)	600335.87	4134126.56	103.90322
600326.15 (99021824)	4134353.89	119.49093c (99083108)	600320.21	4134344.83	116.29609
600314.27 (99021824)	4134335.78	115.12871 (99021824)	600308.33	4134326.73	114.52306
600302.39 (99021824)	4134317.67	114.31002 (99021824)	600296.45	4134308.62	113.78729
600290.51 (99021824)	4134299.57	112.93059 (99021824)	600284.58	4134290.51	112.22937
600274.08 (99021824)	4134267.17	110.17965 (99021824)	600276.83	4134256.70	108.21098
600279.59 (99021824)	4134246.23	106.23331 (99021824)	600282.34	4134235.76	103.54395
600285.10 (99021824)	4134225.29	100.08054 (99021824)	600287.85	4134214.81	95.47232
600290.61 (00082108)	4134204.34	90.54595 (00082108)	600293.36	4134193.87	91.80252
600301.63 (00082108)	4134162.46	96.39319 (00082108)	600304.39	4134151.99	97.40203
600307.14 (00082108)	4134141.52	98.08095 (00082108)	600309.90	4134131.05	98.37222
600312.65 (00082108)	4134120.57	98.21770 (00082108)	600315.41	4134110.10	97.57663

600312.02 (99083108)	4134376.07	132.67658c (99083108)	600306.09	4134367.03	128.34921c
600300.16 (99083108)	4134357.99	123.73111c (99083108)	600294.23	4134348.95	118.97994c
600288.30 (99021824)	4134339.91	114.44515 (99021824)	600282.37	4134330.87	114.06628
600276.44 (99021824)	4134321.83	113.74897 (99021824)	600270.51	4134312.79	113.35230
600258.65 (99021824)	4134294.71	112.87375 (99021824)	600252.72	4134285.67	112.38824
600248.17 (99021824)	4134271.40	110.41887 (99021824)	600250.92	4134260.94	109.12725
600253.67 (99021824)	4134250.49	107.74428 (99021824)	600256.42	4134240.03	106.16205
600259.17 (99021824)	4134229.58	103.88941 (99021824)	600261.92	4134219.12	100.95121
600264.67 (99021824)	4134208.67	97.36399 (99021824)	600267.43	4134198.21	93.21819
600270.18 (00082108)	4134187.75	88.73175 (00082108)	600272.93	4134177.30	90.38335
600281.18 (00082108)	4134145.93	95.28095 (00082108)	600283.93	4134135.48	96.52726
600294.94 (99083108)	4134093.65	97.65297 (00082108)	600293.69	4134391.85	143.88067c
600287.62 (99083108)	4134382.60	138.17093c (99083108)	600281.56	4134373.35	132.66910c
600275.49 (99083108)	4134364.10	127.88959c (99083108)	600269.42	4134354.85	122.99458c
600263.35 (99083108)	4134345.60	118.13692c (99083108)	600257.29	4134336.35	113.47093c
600239.08 (99021824)	4134308.60	109.49688 (99021824)	600233.02	4134299.35	109.31881
600226.95 (99021824)	4134290.10	109.11179 (99021824)	600222.29	4134275.50	108.24236
600225.11 (99021824)	4134264.80	107.83133 (99021824)	600227.92	4134254.11	107.08587
600230.74 (99021824)	4134243.41	106.52871 (99021824)	600233.55	4134232.71	105.28207
600236.37 (99021824)	4134222.01	103.33011 (99021824)	600239.18	4134211.31	100.70290
600242.00 (99021824)	4134200.62	97.50796 (99021824)	600244.81	4134189.92	93.43185
600247.63 (00082108)	4134179.22	88.82951 (99021824)	600258.89	4134136.43	92.22382
600261.70 (00082108)	4134125.73	93.97855 (00082108)	600264.52	4134115.03	95.40008
600267.33 (00082108)	4134104.33	96.44080 (00082108)	600270.15	4134093.63	97.06107
600272.96 (00082108)	4134082.94	97.22365 (00082108)	600275.78	4134072.24	96.91616
600279.66 (99083108)	4134414.18	161.82398 (00121924)	600273.61	4134404.96	153.10247c

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

A-1430

		** CONC OF Q/CHI IN MICROGRAMS/M**3					**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
600267.56	4134395.73	147.30381c	(99083108)	600261.51	4134386.51	141.39294c	
(99083108)							
600255.46	4134377.29	135.28881c	(99083108)	600249.41	4134368.07	130.31749c	
(99083108)							
600243.36	4134358.85	125.42987c	(99083108)	600237.31	4134349.63	120.60616c	
(99083108)							
600225.22	4134331.18	111.64704c	(99083108)	600219.17	4134321.96	107.68208c	
(99083108)							
600213.12	4134312.74	104.11092c	(99083108)	600207.07	4134303.52	103.80599	
(99021824)							
600201.02	4134294.30	103.60482	(99021824)	600196.38	4134279.74	103.53785	
(99021824)							
600199.18	4134269.08	104.32701	(99021824)	600201.99	4134258.41	104.57441	
(99021824)							
600204.80	4134247.75	104.89309	(99021824)	600207.60	4134237.08	104.76616	
(99021824)							
600210.41	4134226.42	103.97284	(99021824)	600221.64	4134183.76	93.51419	
(99021824)							
600224.44	4134173.09	89.44032	(99021824)	600227.25	4134162.43	85.58126	
(99021824)							
600230.06	4134151.76	83.85374	(00101824)	600232.86	4134141.10	84.64616	
(00082108)							
600238.48	4134119.77	89.53150	(00082108)	600241.28	4134109.10	91.54689	
(00082108)							
600244.09	4134098.44	93.23053	(00082108)	600246.90	4134087.77	94.54262	
(00082108)							
600249.70	4134077.11	95.44327	(00082108)	600252.51	4134066.44	95.90728	
(00082108)							
600255.32	4134055.78	95.91893	(00082108)	600374.52	4134301.25	114.87148	
(98011024)							
600337.14	4134348.56	115.48257	(99021824)	600323.13	4134366.30	126.89056c	
(99083108)							
600318.45	4134372.22	130.29398c	(99083108)	600309.11	4134384.05	137.23785c	
(99083108)							
600304.44	4134389.96	141.13362c	(99083108)	600290.42	4134407.70	157.41886	
(00121924)							
600271.73	4134431.36	179.93960	(00121924)	600267.06	4134437.27	185.52223	
(00121924)							
600234.35	4134478.67	216.53443	(00121924)	600229.68	4134484.58	218.39215	
(00121924)							
600225.01	4134490.49	219.89343	(00121924)	600201.64	4134520.06	231.45002	
(00121924)							
600196.97	4134525.98	231.86501	(00121924)	600192.30	4134531.89	232.21899	
(00121924)							
600187.63	4134537.80	232.38507	(00121924)	600182.95	4134543.72	232.31664	
(00121924)							
600336.21	4134338.22	114.23940	(99021824)	600331.54	4134344.14	115.50266	
(99021824)							
600317.52	4134361.88	124.91584c	(99083108)	600303.50	4134379.62	135.28215c	
(99083108)							
600298.83	4134385.53	139.24715c	(99083108)	600289.49	4134397.36	147.67556c	
(99083108)							
600284.81	4134403.27	151.58123c	(99083108)	600266.12	4134426.93	172.57174	
(00121924)							
600261.45	4134432.84	177.91291	(00121924)	600242.76	4134456.50	198.98429	
(00121924)							
600238.09	4134462.41	202.76307	(00121924)	600233.42	4134468.32	205.53978	

(00121924)							
600228.75	4134474.24	208.19213	(00121924)	600210.06	4134497.89	215.18658	
(00121924)							
600205.38	4134503.81	218.39348	(00121924)	600200.71	4134509.72	221.65475	
(00121924)							
600196.04	4134515.64	224.50019	(00121924)	600191.37	4134521.55	227.13167	
(00121924)							
600330.61	4134333.79	114.14571	(99021824)	600325.93	4134339.71	115.34456	
(99021824)							
600316.59	4134351.53	119.26025c	(99083108)	600311.92	4134357.45	122.83469c	
(99083108)							
600297.90	4134375.19	133.01678c	(99083108)	600283.88	4134392.93	145.00811c	
(99083108)							
600279.21	4134398.84	148.95892c	(99083108)	600260.52	4134422.50	165.49530	
(00121924)							
600255.85	4134428.41	170.78394	(00121924)	600251.18	4134434.33	175.95360	
(00121924)							
600246.50	4134440.24	181.35877	(00121924)	600241.83	4134446.16	186.38198	
(00121924)							
600237.16	4134452.07	190.73238	(00121924)	600232.49	4134457.98	194.58667	
(00121924)							
600227.81	4134463.90	197.51081	(00121924)	600209.12	4134487.55	206.29278	
(00121924)							

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** **

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600204.45	4134493.47	207.66360	(00121924)	600199.78	4134499.38	209.80566
(00121924)						
600195.11	4134505.29	212.78487	(00121924)	600176.42	4134528.95	222.27196
(00121924)						
600171.74	4134534.86	220.85185	(00121924)	600395.09	4134240.66	111.02107
(00082924)						
600325.00	4134329.37	113.86905	(99021824)	600310.98	4134347.11	117.11533c
(99083108)						
600306.31	4134353.02	120.67880c	(99083108)	600296.97	4134364.85	127.61275c
(99083108)						
600292.29	4134370.76	130.95289c	(99083108)	600278.28	4134388.50	142.39808c
(99083108)						
600254.92	4134418.07	158.72904	(00121924)	600250.24	4134423.99	163.95643
(00121924)						
600245.57	4134429.90	169.06457	(00121924)	600240.90	4134435.81	174.02991
(00121924)						
600236.23	4134441.73	179.03290	(00121924)	600231.55	4134447.64	183.19169
(00121924)						
600212.86	4134471.30	195.01199	(00121924)	600208.19	4134477.21	197.20757
(00121924)						
600203.52	4134483.12	199.10299	(00121924)	600198.85	4134489.04	200.55078
(00121924)						

600180.16 (00121924)	4134512.69	210.05223 (00121924)	600175.48	4134518.61	212.72841
600170.81 (00121924)	4134524.52	214.59379 (00121924)	600166.14	4134530.43	213.79435
600370.79 (99021824)	4134259.89	100.92204 (98011024)	600324.07	4134319.02	112.37190
600319.40 (99021824)	4134324.94	113.60358 (99021824)	600305.38	4134342.68	115.60198
600291.36 (99083108)	4134360.42	125.42193c (99083108)	600286.69	4134366.33	128.78901c
600272.67 (99083108)	4134384.07	139.50899c (99083108)	600249.31	4134413.64	156.59175c
600244.64 (00121924)	4134419.56	158.13621c (99083108)	600225.95	4134443.21	175.36580
600216.60 (00121924)	4134455.04	181.90820 (00121924)	600211.93	4134460.95	184.99079
600207.26 (00121924)	4134466.87	187.63890 (00121924)	600202.59	4134472.78	189.99910
600197.91 (00121924)	4134478.70	191.62788 (00121924)	600179.22	4134502.35	199.60214
600174.55 (00121924)	4134508.26	202.35320 (00121924)	600169.88	4134514.18	204.60104
600165.21 (00121924)	4134520.09	206.30042 (00121924)	600160.54	4134526.01	206.80835
600350.24 (99021824)	4134262.86	100.30348 (99021824)	600312.86	4134310.17	112.75042
600298.84 (99021824)	4134327.91	114.87471 (99021824)	600294.17	4134333.82	114.93371
600280.15 (99083108)	4134351.56	120.92614c (99083108)	600266.14	4134369.30	130.84826c
600252.12 (99083108)	4134387.05	141.85366c (99083108)	600238.10	4134404.79	152.69076c
600233.43 (99083108)	4134410.70	154.68417c (99083108)	600228.76	4134416.62	155.19632c
600224.08 (00121924)	4134422.53	154.88818c (99083108)	600219.41	4134428.44	157.17856
600214.74 (00121924)	4134434.36	160.98643 (00121924)	600210.07	4134440.27	164.45832
600191.38 (00121924)	4134463.93	174.87332 (00121924)	600186.71	4134469.84	176.94161
600182.03 (00121924)	4134475.75	179.12779 (00121924)	600177.36	4134481.67	181.40792
600172.69 (00121924)	4134487.58	183.52823 (00121924)	600168.02	4134493.49	186.23687
600163.34 (00121924)	4134499.41	188.87510 (00121924)	600158.67	4134505.32	191.21542
600154.00 (00121924)	4134511.24	192.64770 (00121924)	600149.33	4134517.15	193.39804
600315.67 (99021824)	4134283.57	109.90035 (99021824)	600306.32	4134295.40	111.72679
600301.65 (99021824)	4134301.31	112.67281 (99021824)	600287.63	4134319.05	114.71813
600273.62 (99083108)	4134336.79	113.17652c (99083108)	600259.60	4134354.53	122.98957c
600254.93 (99083108)	4134360.45	126.22817c (99083108)	600240.91	4134378.19	135.85242c
600226.89 (99083108)	4134395.93	145.98379c (99083108)	600222.22	4134401.85	148.20170c

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

10:33:46

**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)
600217.55 (99083108)	4134407.76	149.42539c (99083108)	600203.53	4134425.50	148.05793c
600194.19 (00121924)	4134437.33	153.59935 (00121924)	600189.51	4134443.24	156.33070
600184.84 (00121924)	4134449.16	158.82272 (00121924)	600180.17	4134455.07	161.26375
600175.50 (00121924)	4134460.98	163.53747 (00121924)	600170.82	4134466.90	165.98699
600166.15 (00121924)	4134472.81	169.15938 (00121924)	600161.48	4134478.72	172.17288
600156.81 (00121924)	4134484.64	175.02357 (00121924)	600152.13	4134490.55	177.69273
600147.46 (00121924)	4134496.47	180.20760 (00121924)	600142.79	4134502.38	181.75549
600138.12 (99021824)	4134508.29	182.82744 (00121924)	600299.79	4134280.63	110.31015
600295.11 (99021824)	4134286.54	110.87700 (99021824)	600281.10	4134304.28	113.50269
600267.08 (99021824)	4134322.02	112.67988 (99021824)	600262.41	4134327.94	111.65838
600248.39 (99083108)	4134345.68	118.45063c (99083108)	600234.37	4134363.42	127.80992c
600229.70 (99083108)	4134369.33	130.83564c (99083108)	600215.68	4134387.07	139.67794c
600211.01 (99083108)	4134392.99	141.89982c (99083108)	600206.34	4134398.90	143.40448c
600201.67 (99083108)	4134404.82	144.10339c (99083108)	600196.99	4134410.73	144.07323c
600192.32 (99083108)	4134416.64	143.01038c (99083108)	600187.65	4134422.56	141.18850c
600182.98 (00121924)	4134428.47	141.56859 (00121924)	600178.30	4134434.39	144.03545
600173.63 (00121924)	4134440.30	146.60103 (00121924)	600168.96	4134446.21	149.82536
600164.29 (00121924)	4134452.13	152.96008 (00121924)	600159.61	4134458.04	155.89434
600154.94 (00121924)	4134463.95	158.63218 (00121924)	600150.27	4134469.87	161.45130
600145.60 (00121924)	4134475.78	164.36137 (00121924)	600140.92	4134481.70	167.24323
600136.25 (00121924)	4134487.61	169.98122 (00121924)	600131.58	4134493.52	172.35228
600126.91 (00082924)	4134499.44	174.04357 (00121924)	600370.82	4134144.64	114.75826
600342.78 (99021824)	4134180.12	98.84147 (00082924)	600300.73	4134233.35	100.11672
600296.06 (99021824)	4134239.26	102.93678 (99021824)	600291.39	4134245.17	105.06260
600286.71 (99021824)	4134251.09	106.73735 (99021824)	600268.02	4134274.74	111.56314
600263.35	4134280.66	112.55266 (99021824)	600249.33	4134298.40	111.73262

(99021824)	600244.66	4134304.31	110.73425	(99021824)	600235.32	4134316.14	108.03546
(99021824)	600230.64	4134322.05	107.44046c	(99083108)	600216.63	4134339.79	115.77092c
(99083108)	600211.95	4134345.71	118.62204c	(99083108)	600207.28	4134351.62	121.46937c
(99083108)	600193.26	4134369.36	129.17818c	(99083108)	600188.59	4134375.28	131.84432c
(99083108)	600183.92	4134381.19	133.64619c	(99083108)	600179.25	4134387.10	134.53021c
(99083108)	600174.58	4134393.02	134.86991c	(99083108)	600169.90	4134398.93	134.34838c
(99083108)	600165.23	4134404.85	133.20886c	(99083108)	600160.56	4134410.76	131.78724c
(99083108)	600155.89	4134416.67	130.05570c	(99083108)	600151.21	4134422.59	129.21343
(00121924)	600146.54	4134428.50	132.17911	(00121924)	600141.87	4134434.41	135.15250
(00121924)	600137.20	4134440.33	138.15354	(00121924)	600132.52	4134446.24	141.08448
(00121924)	600127.85	4134452.16	144.14288	(00121924)	600123.18	4134458.07	147.18752
(00121924)	600118.51	4134463.98	150.43828	(00121924)	600359.61	4134135.78	112.18975
(00082924)	600331.57	4134171.26	97.53189	(00082108)	600308.21	4134200.83	93.43664
(00082108)	600303.54	4134206.75	92.39501	(00082108)	600298.87	4134212.66	92.17874
(99021824)							

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600294.19	4134218.58	95.88099	(99021824)	600270.83	4134248.14	107.06363
(99021824)						
600266.16	4134254.06	108.11011	(99021824)	600261.49	4134259.97	109.18039
(99021824)						
600256.81	4134265.89	110.12351	(99021824)	600242.80	4134283.63	111.24433
(99021824)						
600238.12	4134289.54	110.76641	(99021824)	600224.11	4134307.28	106.87668
(99021824)						
600210.09	4134325.02	109.14355c	(99083108)	600205.42	4134330.94	111.75435c
(99083108)						
600200.75	4134336.85	113.99870c	(99083108)	600196.07	4134342.76	116.13326c
(99083108)						
600182.06	4134360.51	123.29356c	(99083108)	600177.38	4134366.42	126.05701c
(99083108)						
600172.71	4134372.33	128.71856c	(99083108)	600168.04	4134378.25	130.25968c
(99083108)						

600163.37 (99083108)	4134384.16	130.27469c (99083108)	600158.69	4134390.08	129.91311c
600154.02 (99083108)	4134395.99	129.11462c (99083108)	600149.35	4134401.90	127.96670c
600144.68 (99083108)	4134407.82	126.34777c (99083108)	600140.00	4134413.73	125.15294c
600135.33 (00121924)	4134419.64	124.40730 (00121924)	600130.66	4134425.56	127.41155
600125.99 (00121924)	4134431.47	130.28805 (00121924)	600121.31	4134437.39	133.03330
600116.64 (00121924)	4134443.30	136.12844 (00121924)	600111.97	4134449.21	139.23320
600107.30 (00121924)	4134455.13	142.35937 (00121924)	600102.62	4134461.04	145.20532
600097.95 (00121924)	4134466.95	147.60785 (00121924)	600093.28	4134472.87	149.53804
600348.40 (00082108)	4134126.93	109.14830 (00082924)	600320.36	4134162.41	97.69170
600315.69 (00082108)	4134168.32	97.09902 (00082108)	600311.02	4134174.24	96.29376
600282.98 (99021824)	4134209.72	94.27697 (99021824)	600278.31	4134215.63	97.50407
600273.64 (99021824)	4134221.55	100.33030 (99021824)	600268.97	4134227.46	102.59665
600240.93 (99021824)	4134262.94	108.93228 (99021824)	600236.26	4134268.86	109.27049
600231.59 (99021824)	4134274.77	109.32271 (99021824)	600226.92	4134280.68	109.10673
600217.57 (99021824)	4134292.51	107.29772 (99021824)	600212.90	4134298.43	105.72572
600203.55 (99083108)	4134310.25	103.41959c (99083108)	600198.88	4134316.17	105.10209c
600194.21 (99083108)	4134322.08	106.96228c (99083108)	600189.54	4134327.99	108.75714c
600184.86 (99083108)	4134333.91	110.59615c (99083108)	600170.85	4134351.65	117.09010c
600166.17 (99083108)	4134357.56	119.87939c (99083108)	600161.50	4134363.48	122.25147c
600156.83 (99083108)	4134369.39	124.10750c (99083108)	600152.16	4134375.30	125.39291c
600147.48 (99083108)	4134381.22	125.47445c (99083108)	600142.81	4134387.13	124.94168c
600138.14 (99083108)	4134393.05	124.31324c (99083108)	600133.47	4134398.96	123.42532c
600128.79 (99083108)	4134404.87	122.26642c (99083108)	600124.12	4134410.79	120.97458c
600119.45 (00121924)	4134416.70	120.24378 (00121924)	600114.78	4134422.62	123.10192
600110.10 (00121924)	4134428.53	125.97219 (00121924)	600105.43	4134434.44	128.97191
600100.76 (00121924)	4134440.36	132.15189 (00121924)	600096.09	4134446.27	135.06626
600091.42 (00121924)	4134452.18	137.80185 (00121924)	600086.74	4134458.10	140.21809
600082.07 (00082924)	4134464.01	142.40629 (00121924)	600332.47	4134104.74	105.31273
600327.80 (00082924)	4134110.65	102.38026 (00082924)	600323.13	4134116.57	99.20713
600299.77 (00082108)	4134146.13	97.40403 (00082108)	600295.09	4134152.05	96.54751
600290.42 (99021824)	4134157.96	95.45878 (00082108)	600262.39	4134193.45	92.42686
600257.71 (99021824)	4134199.36	95.30802 (99021824)	600253.04	4134205.27	97.75758

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600248.37	4134211.19	99.96259	(99021824)	600243.70	4134217.10	101.86855
(99021824)						
600220.34	4134246.67	106.21193	(99021824)	600215.66	4134252.58	106.03370
(99021824)						
600210.99	4134258.50	105.71127	(99021824)	600206.32	4134264.41	105.44757
(99021824)						
600187.63	4134288.07	100.28495	(99021824)	600182.96	4134293.98	97.86479
(99021824)						
600178.28	4134299.89	97.53328c	(99083108)	600173.61	4134305.81	99.01594c
(99083108)						
600168.94	4134311.72	100.87336c	(99083108)	600164.27	4134317.63	102.90112c
(99083108)						
600150.25	4134335.38	109.18094c	(99083108)	600145.58	4134341.29	111.23233c
(99083108)						
600140.90	4134347.20	112.95852c	(99083108)	600136.23	4134353.12	114.19656c
(99083108)						
600131.56	4134359.03	115.22806c	(99083108)	600126.89	4134364.95	116.10141c
(99083108)						
600122.21	4134370.86	116.53150c	(99083108)	600117.54	4134376.77	116.60021c
(99083108)						
600112.87	4134382.69	116.36513c	(99083108)	600108.20	4134388.60	116.08105c
(99083108)						
600103.53	4134394.51	115.38716c	(99083108)	600098.85	4134400.43	115.26191m
(98051224)						
600094.18	4134406.34	115.77986m	(98051224)	600089.51	4134412.26	116.37014m
(98051224)						
600084.84	4134418.17	117.09496	(00121924)	600080.16	4134424.08	120.52931
(00121924)						
600075.49	4134430.00	123.97203	(00121924)	600070.82	4134435.91	127.30149
(00121924)						
600066.15	4134441.82	130.04483	(00121924)	600061.47	4134447.74	132.57704
(00121924)						
600291.28	4134072.19	96.31072	(00082108)	600286.61	4134078.11	97.02341
(00082108)						
600281.93	4134084.02	97.41556	(00082108)	600277.26	4134089.93	97.47312
(00082108)						
600253.90	4134119.50	93.11109	(00082108)	600249.23	4134125.42	91.41922
(00082108)						
600216.52	4134166.81	88.01509	(99021824)	600211.85	4134172.73	90.51273
(99021824)						
600207.18	4134178.64	92.90561	(99021824)	600202.50	4134184.55	95.14201
(99021824)						
600197.83	4134190.47	97.16665	(99021824)	600193.16	4134196.38	98.93746
(99021824)						
600188.49	4134202.29	99.94822	(99021824)	600183.81	4134208.21	100.63892

(99021824)							
600179.14	4134214.12	100.99562	(99021824)	600174.47	4134220.04	101.01674	
(99021824)							
600169.80	4134225.95	100.71475	(99021824)	600165.12	4134231.86	100.09716	
(99021824)							
600160.45	4134237.78	99.18293	(99021824)	600155.78	4134243.69	97.99795	
(99021824)							
600151.11	4134249.61	96.56641	(99021824)	600146.43	4134255.52	94.91860	
(99021824)							
600141.76	4134261.43	93.08609	(99021824)	600137.09	4134267.35	91.49350	
(99062824)							
600132.42	4134273.26	90.82827c	(99083108)	600127.74	4134279.17	92.27281c	
(99083108)							
600123.07	4134285.09	93.71069c	(99083108)	600109.06	4134302.83	97.83407c	
(99083108)							
600104.38	4134308.74	98.86240c	(99083108)	600099.71	4134314.66	99.56621c	
(99083108)							
600095.04	4134320.57	100.21367c	(99083108)	600090.37	4134326.48	100.96603c	
(99083108)							
600085.69	4134332.40	101.68283c	(99083108)	600081.02	4134338.31	102.68128c	
(99083108)							
600076.35	4134344.23	103.80458c	(99083108)	600071.68	4134350.14	104.77295m	
(98051224)							
600067.00	4134356.05	107.35277m	(98051224)	600062.33	4134361.97	109.74824m	
(98051224)							
600057.66	4134367.88	111.94795m	(98051224)	600052.99	4134373.79	113.81954m	
(98051224)							
600048.31	4134379.71	116.00350m	(98051224)	600043.64	4134385.62	117.10333m	
(98051224)							
600038.97	4134391.54	117.78143m	(98051224)	600034.30	4134397.45	118.18876m	
(98051224)							
600029.62	4134403.36	118.30776m	(98051224)	600024.95	4134409.28	118.10498m	
(98051224)							
600020.28	4134415.19	117.53953m	(98051224)	600270.68	4134055.92	96.01373	
(00082108)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 01/05/16

*** AERMET - VERSION 15181 ***
 10:33:46

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): CON_ZONE , ***

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600266.01 (00082108)	4134061.83	96.40346 (00082108)	600261.34	4134067.75	96.47417
600256.66 (00082108)	4134073.66	96.21418 (00082108)	600233.30	4134103.23	90.35992
600228.63 (00101824)	4134109.14	88.39331 (00082108)	600214.61	4134126.88	81.38011
600209.94 (00101824)	4134132.80	82.05755 (00101824)	600205.27	4134138.71	82.54653
600200.60 (99021824)	4134144.62	83.78677 (99021824)	600195.92	4134150.54	85.66752

600191.25 (99021824)	4134156.45	87.51119 (99021824)	600186.58	4134162.37	89.28285
600181.91 (99021824)	4134168.28	91.06483 (99021824)	600177.23	4134174.19	92.95249
600172.56 (99021824)	4134180.11	94.63706 (99021824)	600167.89	4134186.02	96.08143
600163.22 (99021824)	4134191.94	97.25838 (99021824)	600158.54	4134197.85	97.99252
600153.87 (99021824)	4134203.76	98.12242 (99021824)	600149.20	4134209.68	97.94368
600144.53 (99021824)	4134215.59	97.45779 (99021824)	600139.85	4134221.50	96.68144
600135.18 (99021824)	4134227.42	95.63368 (99021824)	600130.51	4134233.33	94.34243
600125.84 (99062824)	4134239.25	93.12285 (99062824)	600121.16	4134245.16	92.41559
600116.49 (99062824)	4134251.07	91.48280 (99062824)	600111.82	4134256.99	90.28019
600107.15 (99083108)	4134262.90	88.76548 (99062824)	600102.48	4134268.81	90.09755c
600088.46 (99083108)	4134286.56	93.86771c (99083108)	600083.79	4134292.47	94.51455c
600079.11 (99083108)	4134298.38	95.29584c (99083108)	600074.44	4134304.30	96.11123c
600069.77 (99083108)	4134310.21	97.11151c (99083108)	600065.10	4134316.12	98.08792c
600060.42 (99083108)	4134322.04	99.28592c (99083108)	600055.75	4134327.95	100.29491c
600051.08 (98051224)	4134333.87	101.41429m (98051224)	600046.41	4134339.78	104.30705m
600041.73 (98051224)	4134345.69	107.07567m (98051224)	600037.06	4134351.61	109.18440m
600032.39 (98051224)	4134357.52	111.07993m (98051224)	600027.72	4134363.44	112.73897m
600023.04 (98051224)	4134369.35	114.16141m (98051224)	600018.37	4134375.26	115.33370m
600013.70 (98051224)	4134381.18	116.25036m (98051224)	600009.03	4134387.09	116.88904m
600004.35 (98051224)	4134393.00	117.22882m (98051224)	599999.68	4134398.92	117.26748m
600180.65 (00121924)	4134609.15	224.46942 (00121924)	600178.12	4134600.06	226.46167
600173.84 (00121924)	4134611.14	221.04886 (00121924)	600167.67	4134623.27	215.29209
600157.52 (00121924)	4134605.56	215.62714 (00121924)	600159.71	4134594.69	217.20275
600168.46 (00121924)	4134551.18	223.52055 (00121924)	600153.34	4134617.05	212.86129
600150.65 (00121924)	4134607.42	212.67423 (00121924)	600152.87	4134596.42	213.70162
600155.08 (00121924)	4134585.42	214.49788 (00121924)	600163.93	4134541.43	216.08145
600150.32 (00121924)	4134623.18	211.28023 (00121924)	600143.78	4134609.28	209.97136
600146.02 (00121924)	4134598.18	210.45667 (00121924)	600148.25	4134587.08	210.63015
600157.19 (00121924)	4134542.66	210.85478 (00121924)	600147.32	4134638.76	208.38183
600139.95 (00121924)	4134630.72	207.98713 (00121924)	600132.59	4134622.69	206.19456
600129.98 (00121924)	4134613.33	205.34641 (00121924)	600132.13	4134602.64	205.46985
600134.28 (00121924)	4134591.95	205.11683 (00121924)	600136.43	4134581.27	204.74162

600138.58	4134570.58	204.44496	(00121924)	600145.03	4134538.52	199.96070
(00121924)						
600147.18	4134527.84	197.25402	(00121924)	600141.38	4134651.13	205.08055
(00121924)						
600133.89	4134642.95	205.51106	(00121924)	600126.39	4134634.77	203.94120
(00121924)						

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 *** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600118.89	4134626.59	201.98774	(00121924)	600116.24	4134617.06	200.86141
(00121924)						
600118.43	4134606.19	200.87892	(00121924)	600120.61	4134595.31	200.44895
(00121924)						
600122.80	4134584.43	199.61755	(00121924)	600124.99	4134573.56	198.52693
(00121924)						
600127.18	4134562.68	196.96540	(00121924)	600133.74	4134530.05	190.20767
(00121924)						
600135.93	4134519.17	186.90301	(00121924)	600131.80	4134659.53	200.18651
(00121924)						
600124.20	4134651.23	201.28440	(00121924)	600116.59	4134642.93	201.07748
(00121924)						
600108.99	4134634.63	198.66965	(00121924)	600102.49	4134620.82	196.57925
(00121924)						
600104.71	4134609.78	196.66143	(00121924)	600106.93	4134598.75	196.15971
(00121924)						
600109.15	4134587.71	195.12774	(00121924)	600111.37	4134576.68	193.38454
(00121924)						
600113.59	4134565.64	191.17818	(00121924)	600115.81	4134554.61	188.80231
(00121924)						
600122.47	4134521.51	181.15871	(00121924)	600124.69	4134510.47	177.98660
(00121924)						
600126.10	4134672.16	194.70493	(00121924)	600118.41	4134663.76	196.11261
(00121924)						
600110.71	4134655.36	196.46155	(00121924)	600103.01	4134646.96	195.09215
(00121924)						
600095.32	4134638.57	192.74860	(00121924)	600088.74	4134624.59	191.62179
(00121924)						
600090.99	4134613.42	192.65729	(00121924)	600093.24	4134602.25	191.92187
(00121924)						
600095.48	4134591.08	190.84136	(00121924)	600097.73	4134579.92	189.21924
(00121924)						
600099.97	4134568.75	186.89729	(00121924)	600102.22	4134557.58	184.15593
(00121924)						
600104.47	4134546.42	182.20160	(00121924)	600111.21	4134512.91	173.32179
(00121924)						
600113.45	4134501.75	169.96288	(00121924)	600199.82	4134741.14	225.88489
(98122624)						
600115.09	4134678.99	191.17103	(00121924)	600107.59	4134670.81	191.53708

(00121924)	600100.10	4134662.63	191.19195	(00121924)	600092.60	4134654.45	189.74900
(00121924)	600085.10	4134646.27	187.34719	(00121924)	600077.61	4134638.09	186.49868
(00121924)	600074.95	4134628.56	187.03120	(00121924)	600077.14	4134617.69	188.61060
(00121924)	600079.33	4134606.81	188.11240	(00121924)	600081.52	4134595.93	187.02410
(00121924)	600083.70	4134585.06	185.45181	(00121924)	600085.89	4134574.18	183.38656
(00121924)	600088.08	4134563.30	180.84028	(00121924)	600090.27	4134552.43	178.56727
(00121924)	600092.46	4134541.55	176.93622	(00121924)	600094.64	4134530.67	174.69773
(00121924)	600194.81	4134754.51	227.51231	(98122624)	600113.15	4134695.73	185.74168
(00121924)	600105.57	4134687.46	187.80189	(00121924)	600098.00	4134679.19	187.98352
(00121924)	600090.42	4134670.92	187.25230	(00121924)	600082.84	4134662.65	185.69603
(00121924)	600075.26	4134654.38	184.30349	(00121924)	600067.68	4134646.11	182.65014
(00121924)	600061.20	4134632.34	182.83434	(00121924)	600063.42	4134621.34	184.33260
(00121924)	600065.63	4134610.34	184.41323	(00121924)	600067.84	4134599.34	183.12514
(00121924)	600070.05	4134588.35	181.53862	(00121924)	600072.26	4134577.35	179.84640
(00121924)	600074.48	4134566.35	177.64933	(00121924)	600076.69	4134555.35	174.86301
(00121924)	600078.90	4134544.35	173.48610	(00121924)	600089.96	4134489.36	156.90099
(00121924)	600189.79	4134767.89	228.95912	(98122624)	600103.73	4134704.29	181.46741
(00121924)	600096.08	4134695.94	183.44471	(00121924)	600088.42	4134687.59	184.69667
(00121924)	600080.77	4134679.24	184.41616	(00121924)	600073.12	4134670.89	183.22966
(00121924)	600065.47	4134662.54	181.70453	(00121924)	600057.81	4134654.19	180.16121

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600050.16	4134645.84	178.35674	(00121924)	600047.45	4134636.12	178.81927	
(00121924)	600049.69	4134625.01	180.25139	(00121924)	600051.92	4134613.91	180.73701
(00121924)							

600054.15 (00121924)	4134602.81	179.55283	(00121924)	600056.39	4134591.70	177.93131
600058.62 (00121924)	4134580.60	176.36844	(00121924)	600060.85	4134569.50	174.80859
600063.09 (00121924)	4134558.39	172.50627	(00121924)	600078.72	4134480.67	150.19152
600174.11 (98122624)	4134777.27	224.63334	(98122624)	600184.78	4134781.27	230.01971
600155.71 (00121924)	4134795.65	221.11227	(98122624)	600086.46	4134720.08	174.06972
600078.76 (00121924)	4134711.69	175.88514	(00121924)	600071.07	4134703.29	177.02374
600063.37 (00121924)	4134694.89	177.76143	(00121924)	600055.68	4134686.50	178.31609
600047.98 (00121924)	4134678.10	177.45970	(00121924)	600040.29	4134669.70	175.88592
600032.59 (00121924)	4134661.31	174.34218	(00121924)	600024.90	4134652.91	172.39613
600022.17 (00121924)	4134643.13	171.89121	(00121924)	600024.42	4134631.97	173.16349
600026.66 (00121924)	4134620.80	174.00582	(00121924)	600028.91	4134609.64	173.34166
600031.15 (00121924)	4134598.47	171.55960	(00121924)	600042.38	4134542.64	162.59797
600044.63 (00121924)	4134531.48	159.91900	(00121924)	600046.88	4134520.31	157.75307
600058.10 (98122624)	4134464.49	140.32080	(00121924)	600164.89	4134801.84	227.06964
600175.56 (98122624)	4134805.84	231.36378	(98122624)	600146.57	4134820.31	223.73857
600139.03 (00121924)	4134812.08	217.30666	(98122624)	600071.17	4134738.03	166.04377
600063.63 (00121924)	4134729.81	168.47108	(00121924)	600056.09	4134721.58	169.64566
600048.54 (00121924)	4134713.35	170.36895	(00121924)	600041.00	4134705.12	170.88797
600033.46 (00121924)	4134696.90	171.31466	(00121924)	600025.92	4134688.67	171.71209
600018.38 (00121924)	4134680.44	171.23438	(00121924)	600010.84	4134672.21	169.79782
600003.30 (00121924)	4134663.99	168.15050	(00121924)	599996.86	4134650.29	166.03391
599999.06 (99092108)	4134639.35	166.56890	(00121924)	600001.26	4134628.41	167.73520
600010.07 (00121924)	4134584.64	161.98821	(00121924)	600012.27	4134573.70	160.71089
600014.47 (00121924)	4134562.76	159.09931	(00121924)	600016.67	4134551.82	157.18995
600018.87 (00121924)	4134540.88	154.97430	(00121924)	600021.07	4134529.94	152.46523
600023.27 (00121924)	4134518.99	150.68071	(00121924)	600025.47	4134508.05	149.04188
600027.67 (00121924)	4134497.11	147.21566	(00121924)	600038.68	4134442.41	128.88794
600155.67 (98122624)	4134826.42	228.57689	(98122624)	600166.34	4134830.42	231.82351
600137.33 (98122624)	4134844.86	219.80294	(98122624)	600129.75	4134836.59	214.85233
600053.90 (00121924)	4134753.83	159.67450	(00121924)	600046.32	4134745.56	161.37707
600038.73 (00121924)	4134737.28	162.44600	(00121924)	600031.15	4134729.01	163.70223
600023.57 (98031808)	4134720.73	164.14893	(00121924)	600015.98	4134712.46	166.60752m

600008.40 (98031808)	4134704.18	167.17706m (98031808)	600000.81	4134695.90	165.53405m
599993.23 (00121924)	4134687.63	165.71715 (00121924)	599985.64	4134679.35	164.90624
599978.06 (99092108)	4134671.08	163.76191 (00121924)	599980.44	4134613.28	162.74315
599982.65 (00121924)	4134602.28	160.22156 (99092108)	599984.86	4134591.27	157.29176
599987.08 (00121924)	4134580.27	155.25661 (00121924)	599989.29	4134569.26	153.43758
599991.50 (00121924)	4134558.26	151.47667 (00121924)	599993.72	4134547.25	149.51552

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
599995.93 (00121924)	4134536.25	147.32193 (00121924)	599998.14	4134525.24	145.13850
600018.07 (98122624)	4134426.20	120.22496 (00121924)	600146.46	4134851.00	223.15296
600157.12 (98122624)	4134855.00	226.83956 (98122624)	600128.10	4134869.42	214.40288
600120.48 (98122624)	4134861.11	212.79030 (98122624)	600112.85	4134852.79	208.74547
600036.64 (00121924)	4134769.63	153.14831 (00121924)	600029.02	4134761.32	155.23731
600021.40 (00121924)	4134753.00	156.25612 (00121924)	600013.78	4134744.69	156.88179
600006.16 (98031808)	4134736.37	159.23679m (98031808)	599998.54	4134728.06	162.94724m
599990.91 (98031808)	4134719.74	164.39717m (98031808)	599983.29	4134711.42	163.72942m
599975.67 (00121924)	4134703.11	160.95669m (98031808)	599968.05	4134694.79	159.90291
599960.43 (99092108)	4134686.48	160.05654 (00121924)	599950.75	4134642.20	160.94940
599952.97 (99092108)	4134631.14	160.49700 (99092108)	599955.20	4134620.08	158.94672
599957.42 (00121924)	4134609.03	156.45699 (99092108)	599959.64	4134597.97	153.92516
599961.87 (00121924)	4134586.91	152.86583 (00121924)	599964.09	4134575.85	149.93923
599966.32 (00121924)	4134564.79	147.02224 (00121924)	599968.54	4134553.73	144.32997
599970.77 (00121924)	4134542.68	142.40189 (00121924)	599972.99	4134531.62	140.27086
599975.21 (98051224)	4134520.56	138.66810 (00121924)	599997.46	4134409.98	116.78082m
600137.24	4134875.58	215.89807 (98122624)	600147.91	4134879.58	217.76387

(98122624)							
600234.60	4134518.59	249.05005	(00121924)	600240.83	4134506.74	245.00248	
(00121924)							
600368.01	4134352.14	125.52484	(98011024)	600360.52	4134362.73	122.86593	
(98011024)							
600246.44	4134527.32	260.64035	(00121924)	600253.92	4134517.34	259.98500	
(00121924)							
600364.27	4134369.59	129.55628	(00121924)	600373.62	4134358.99	130.43688	
(98011024)							
600612.70	4134331.32	162.16194	(00120924)	600644.75	4134278.94	156.65417	
(00120924)							
600664.13	4134289.94	152.92938	(98111524)	600632.79	4134344.48	157.66828	
(98111524)							
600622.27	4134338.26	156.85244	(00120924)	600627.53	4134305.73	159.99076	
(00120924)							
600647.14	4134318.88	158.22004	(98111524)	600619.87	4134318.88	161.92737	
(00120924)							
600640.45	4134331.08	158.41413	(98111524)	600629.20	4134325.58	156.69063	
(00120924)							
600636.62	4134312.42	155.97879	(00120924)	600636.14	4134292.33	157.75618	
(00120924)							
600646.90	4134298.07	153.35080	(00120924)	600656.23	4134303.81	155.85000	
(98111524)							
600654.56	4134283.24	154.05732	(00110124)	600589.73	4134278.46	168.47953	
(00120924)							
600239.00	4134588.00	265.45155	(00121924)	600255.00	4134594.00	247.99128	
(00121924)							
600336.00	4134493.00	291.78309	(00121924)	600461.00	4134590.00	212.98222	
(00120324)							
600456.00	4134597.00	212.17057	(00120324)	600489.00	4134621.00	232.29292	
(99031424)							
600494.00	4134621.00	232.64368	(99031424)	600498.00	4134619.00	231.26015	
(99031424)							
600669.00	4134414.00	167.29721	(00111524)	600672.00	4134406.00	171.68486	
(00111524)							
600672.00	4134400.00	173.42292	(00111524)	600668.00	4134391.00	173.39946	
(00111524)							
600665.00	4134386.00	172.62829	(00111524)	600593.00	4134329.00	167.17031	
(00120924)							
600545.00	4134299.00	155.42501	(00120924)	600514.00	4134275.00	156.11607	
(00082924)							
600562.00	4134215.00	152.53380	(00120924)	600586.00	4134173.00	152.04869m	
(99091624)							
600561.00	4134155.00	149.83651m	(99091624)	600496.00	4134236.00	140.30913	
(00082924)							
600510.00	4134245.00	150.81118					
(00082924)							

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
 *** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600272.44 (00122924)	4134683.22	107.47485 (00122924)	(00122924)	600265.29	4134682.89	107.73705
600258.14 (00122924)	4134682.57	107.13178 (00122924)	(00122924)	600274.64	4134690.12	107.75936
600260.95 (00122924)	4134689.50	108.35532 (00122924)	(00122924)	600247.26	4134688.88	106.71430
600291.16 (00122924)	4134700.33	105.87316 (00122924)	(00122924)	600278.23	4134703.89	107.90673
600271.19 (00122924)	4134703.57	108.88570 (00122924)	(00122924)	600264.15	4134703.25	109.71381
600257.11 (00122924)	4134702.93	109.75493 (00122924)	(00122924)	600250.07	4134702.61	109.50584
600243.03 (00122924)	4134702.29	109.05537 (00122924)	(00122924)	600235.99	4134701.97	108.33439
600301.10 (00122924)	4134710.06	103.04507 (00122924)	(00122924)	600295.07	4134714.02	104.35484
600281.85 (00122924)	4134717.65	106.84134 (00122924)	(00122924)	600274.65	4134717.33	108.09645
600267.45 (00122924)	4134717.00	109.17474 (00122924)	(00122924)	600260.25	4134716.67	109.89083
600253.05 (00122924)	4134716.35	110.22261 (00122924)	(00122924)	600245.85	4134716.02	110.24106
600238.65 (00122924)	4134715.69	110.06127 (00122924)	(00122924)	600231.45	4134715.37	109.79358
600224.25 (00122924)	4134715.04	109.45262 (00122924)	(00122924)	600311.24	4134719.66	99.05553
600305.10 (00122924)	4134723.69	100.34800 (00122924)	(00122924)	600298.97	4134727.72	101.78705
600285.50 (00122924)	4134731.42	105.07836 (00122924)	(00122924)	600278.17	4134731.09	106.47370
600270.84 (00122924)	4134730.76	107.74877 (00122924)	(00122924)	600263.50	4134730.42	108.81694
600256.17 (00122924)	4134730.09	109.48357 (00122924)	(00122924)	600248.84	4134729.76	110.00940
600241.50 (00122924)	4134729.43	110.21976 (00122924)	(00122924)	600234.17	4134729.09	110.31323
600226.84 (00122924)	4134728.76	110.61200 (00122924)	(00122924)	600219.51	4134728.43	110.86122
600212.17 (00122924)	4134728.09	110.95112 (00122924)	(00122924)	600321.53	4134729.16	94.02429
600315.30 (00122924)	4134733.25	95.24513 (00122924)	(00122924)	600309.08	4134737.34	96.59189
600302.85 (00122924)	4134741.44	97.94543 (00122924)	(00122924)	600289.17	4134745.19	101.96795
600281.73 (00122924)	4134744.86	103.73515 (00122924)	(00122924)	600274.28	4134744.52	105.38554
600266.83 (00122924)	4134744.18	106.81811 (00122924)	(00122924)	600259.39	4134743.84	107.93708
600251.94 (00122924)	4134743.50	108.90784 (00122924)	(00122924)	600244.50	4134743.17	109.55198
600237.05 (00122924)	4134742.83	110.05637 (00122924)	(00122924)	600229.61	4134742.49	110.53736
600222.16 (00122924)	4134742.15	111.23138 (00122924)	(00122924)	600214.71	4134741.81	111.76164
600207.27 (00122924)	4134741.48	110.97520 (00122924)	(00122924)	600331.95	4134738.57	87.97055
600325.64 (00122924)	4134742.72	88.96330 (00122924)	(00122924)	600319.33	4134746.87	90.08820
600313.02 (00122924)	4134751.01	91.33770 (00122924)	(00122924)	600306.71	4134755.16	92.76440
600292.86 (00122924)	4134758.96	97.64005 (00122924)	(00122924)	600285.32	4134758.62	99.91241

600277.77 (00122924)	4134758.28	101.91750 (00122924)	600270.23	4134757.94	103.79268
600262.69 (00122924)	4134757.60	105.45050 (00122924)	600255.15	4134757.25	106.79933
600247.60 (00122924)	4134756.91	107.98622 (00122924)	600240.06	4134756.57	108.93671
600232.52 (00122924)	4134756.23	109.64903 (00122924)	600224.98	4134755.88	110.32831
600217.43 (00122924)	4134755.54	110.89139 (00122924)	600209.89	4134755.20	111.14587
600202.35 (00122924)	4134754.86	110.74203 (00122924)	600346.05	4134745.57	80.61015
600340.07 (00122924)	4134749.50	81.43859 (00122924)	600334.09	4134753.43	82.35173
600328.11 (00122924)	4134757.36	83.33519 (00122924)	600322.13	4134761.29	84.37037
600316.15 (00122924)	4134765.22	85.61509 (00122924)	600310.17	4134769.15	86.96082

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*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600297.04 (00122924)	4134772.76	91.53989 (00122924)	600289.89	4134772.43	94.50652
600282.74 (00122924)	4134772.11	96.95141 (00122924)	600275.59	4134771.78	99.17658
600268.44 (00122924)	4134771.46	101.30726 (00122924)	600261.29	4134771.14	103.17988
600254.14 (00122924)	4134770.81	104.76655 (00122924)	600246.99	4134770.49	106.23274
600239.84 (00122924)	4134770.16	107.39869 (00122924)	600232.69	4134769.84	108.35354
600225.54 (00122924)	4134769.51	109.18884 (00122924)	600218.39	4134769.19	109.71527
600211.24 (00122924)	4134768.86	110.03037 (00122924)	600204.09	4134768.54	110.14082
600196.94 (00122924)	4134768.21	110.13759 (00122924)	600350.40	4134758.97	74.19544
600344.34 (00122924)	4134762.95	75.13290 (00122924)	600338.28	4134766.94	76.10361
600332.22 (00122924)	4134770.92	77.25849 (00122924)	600326.15	4134774.91	78.43733
600320.09 (00122924)	4134778.89	79.69870 (00122924)	600314.03	4134782.87	80.98822
600300.72 (00122924)	4134786.53	85.20214 (00122924)	600293.47	4134786.20	88.16735
600286.23 (00122924)	4134785.87	91.12293 (00122924)	600278.98	4134785.54	93.92871
600271.74	4134785.21	96.61804 (00122924)	600264.49	4134784.88	99.17283

(00122924)							
600257.24	4134784.56	101.24271	(00122924)	600250.00	4134784.23	103.11908	
(00122924)							
600242.75	4134783.90	104.70485	(00122924)	600235.50	4134783.57	106.07666	
(00122924)							
600228.26	4134783.24	107.32548	(00122924)	600221.01	4134782.91	108.25811	
(00122924)							
600213.76	4134782.58	108.97670	(00122924)	600206.52	4134782.25	109.57038	
(00122924)							
600199.27	4134781.92	109.84433	(00122924)	600192.02	4134781.59	109.58566	
(00122924)							
600307.59	4134811.84	75.14609	(00122924)	600300.25	4134811.51	77.91854	
(00122924)							
600292.92	4134811.17	80.68259	(00122924)	600285.58	4134810.84	83.79791	
(00122924)							
600278.25	4134810.51	86.85340	(00122924)	600270.91	4134810.17	89.83126	
(00122924)							
600263.58	4134809.84	92.77419	(00122924)	600256.24	4134809.51	95.44815	
(00122924)							
600248.91	4134809.17	98.04856	(00122924)	600241.57	4134808.84	100.41023	
(00122924)							
600234.24	4134808.51	102.59235	(00122924)	600226.90	4134808.18	104.40586	
(00122924)							
600219.57	4134807.84	105.91059	(00122924)	600212.23	4134807.51	107.19479	
(00122924)							
600204.90	4134807.18	108.14890	(00122924)	600197.56	4134806.84	108.27518	
(00122924)							
600190.23	4134806.51	108.17147	(00122924)	600182.89	4134806.18	107.84143	
(00122924)							
600292.25	4134836.14	75.58832	(00122924)	600284.84	4134835.80	78.50345	
(00122924)							
600277.43	4134835.47	81.33932	(00122924)	600270.03	4134835.13	84.16876	
(00122924)							
600262.62	4134834.79	86.89519	(00122924)	600255.22	4134834.46	89.90171	
(00122924)							
600247.81	4134834.12	92.89892	(00122924)	600240.40	4134833.79	95.77898	
(00122924)							
600233.00	4134833.45	98.52410	(00122924)	600225.59	4134833.11	100.82112	
(00122924)							
600218.19	4134832.78	102.14042	(00122924)	600210.78	4134832.44	103.24666	
(00122924)							
600203.37	4134832.10	104.14238	(00122924)	600195.97	4134831.77	104.82185	
(00122924)							
600188.56	4134831.43	105.27232	(00122924)	600181.15	4134831.10	105.49290	
(00122924)							
600173.75	4134830.76	105.48672	(00122924)	600269.10	4134860.09	80.97193	
(00122924)							
600261.64	4134859.75	83.42765	(00122924)	600254.17	4134859.41	85.78601	
(00122924)							
600246.71	4134859.07	88.11534	(00122924)	600239.24	4134858.73	90.22011	
(00122924)							
600231.78	4134858.39	92.27329	(00122924)	600224.31	4134858.05	94.43447	
(00122924)							

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*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI		IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
(YYMMDDHH)							
600216.85	4134857.71	96.14877	(00122924)	600209.38	4134857.37	97.68216	
(00122924)							
600201.92	4134857.04	99.02596	(00122924)	600194.45	4134856.70	100.17299	
(00122924)							
600186.99	4134856.36	101.10537	(00122924)	600179.52	4134856.02	101.83416	
(00122924)							
600172.05	4134855.68	102.00272	(00122924)	600164.59	4134855.34	101.70628	
(00122924)							
600253.11	4134884.36	78.35510	(00122924)	600245.60	4134884.02	80.82754	
(00122924)							
600238.08	4134883.67	83.21113	(00122924)	600230.57	4134883.33	85.46756	
(00122924)							
600223.06	4134882.99	87.60478	(00122924)	600215.54	4134882.65	89.60504	
(00122924)							
600208.03	4134882.31	91.45656	(00122924)	600200.51	4134881.97	93.06957	
(00122924)							
600193.00	4134881.63	93.96823	(00122924)	600185.48	4134881.29	94.75967	
(00122924)							
600177.97	4134880.94	95.36594	(00122924)	600170.45	4134880.60	95.69591	
(00122924)							
600162.94	4134880.26	95.90495	(00122924)	600155.42	4134879.92	95.91546	
(00122924)							
600492.93	4134784.82	59.49445	(98091224)	600497.70	4134778.88	60.84297	
(98091224)							
600502.46	4134772.94	62.01132	(98091224)	600507.23	4134767.00	63.15182	
(98091224)							
600511.99	4134761.05	64.56436	(98091224)	600516.76	4134755.11	65.87537	
(98091224)							
600521.52	4134749.17	67.03692	(98091224)	600526.29	4134743.23	68.01118	
(98091224)							
600531.05	4134737.29	68.78394	(98091224)	600535.82	4134731.35	68.86133	
(98091224)							
600540.58	4134725.41	68.71364	(98091224)	600545.35	4134719.47	68.42864	
(98091224)							
600550.11	4134713.53	67.95347	(98091224)	600554.88	4134707.58	67.38465	
(98091224)							
600559.64	4134701.64	66.96921	(98091224)	600564.41	4134695.70	66.29683	
(98091224)							
600569.17	4134689.76	65.42192	(98091224)	600573.93	4134683.82	64.59241	
(98091224)							
600284.82	4134706.44	106.83127	(00122924)	600298.48	4134750.27	97.54942	
(00122924)							
600322.29	4134768.74	81.84880	(00122924)	600266.30	4134791.75	96.70712	
(00122924)							
600272.25	4134796.36	93.10913	(00122924)	600278.20	4134800.98	89.45739	
(00122924)							
600184.73	4134761.67	107.99279	(00122924)	600202.59	4134775.53	110.03935	
(00122924)							
600226.40	4134794.01	106.01646	(00122924)	600232.35	4134798.63	104.26758	
(00122924)							
600256.16	4134817.10	93.49114	(00122924)	600262.11	4134821.72	89.81483	
(00122924)							
600268.06	4134826.34	86.19902	(00122924)	600255.53	4134443.24	73.05446	
(98122824)							
600250.53	4134450.24	73.67168	(98122824)	600234.17	4134427.98	66.51110	
(98122824)							

600229.17 (98122824)	4134434.98	66.82496 (98122824)	600212.81	4134412.72	59.53193
600207.81 (00122924)	4134419.72	59.91202 (98122824)	600295.16	4134734.83	102.26004
600288.21 (00122924)	4134723.54	105.24648 (00122924)	600328.43	4134783.98	74.76297
600304.01 (00122924)	4134795.56	80.76843 (00122924)	600241.49	4134693.91	107.00385
600247.51 (00122924)	4134463.15	75.28767 (98122924)	600312.99	4134805.21	74.77438
600188.40 (00121924)	4134609.36	86.40142 (00121924)	600212.56	4134506.02	79.85473
600215.58 (99102124)	4134493.11	77.24492 (99102124)	600218.60	4134480.19	75.59338
600221.62 (99102124)	4134467.27	72.89755 (99102124)	600224.64	4134454.36	69.52173
600292.05 (00122924)	4134822.44	78.00927 (00122924)	600248.80	4134798.45	100.32005
600156.45 (00121924)	4134639.39	79.59033 (00121924)	600159.47	4134626.47	79.70277
600162.49 (00121924)	4134613.55	79.98336 (00121924)	600165.51	4134600.63	80.18067
600177.60 (00121924)	4134548.94	81.74407 (00121924)	600180.62	4134536.02	80.24099

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION
 *** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600183.64 (99102124)	4134523.10	78.03094 (00121924)	600186.66	4134510.18	76.34985
600189.68 (99102124)	4134497.25	74.32394 (99102124)	600192.70	4134484.33	72.41705
600195.73 (99102124)	4134471.41	69.76884 (99102124)	600198.75	4134458.49	66.60809
600201.77 (98122824)	4134445.57	63.33356 (98122824)	600204.79	4134432.64	61.72738
600276.61 (00101824)	4134843.66	80.51940 (00122924)	600494.00	4134792.43	59.15237
600484.25 (00101824)	4134805.17	57.66009 (00101824)	600494.00	4134806.71	58.89192
600484.29 (00101824)	4134819.47	57.50489 (00101824)	600494.00	4134821.00	58.72023
600534.66 (98091224)	4134711.40	68.63054 (98091224)	600542.72	4134708.44	68.22632
600528.07 (98091224)	4134727.24	68.96929 (98091224)	600547.39	4134736.97	68.97036
600539.18 (98091224)	4134738.91	68.76904 (98091224)	600514.54	4134744.72	66.99386
600555.50	4134734.00	68.70435 (98091224)	600553.63	4134749.78	67.59058

(98091224)							
600545.11	4134751.79	67.50365	(98091224)	600536.59	4134753.80	67.17229	
(98091224)							
600528.07	4134755.81	66.63586	(98091224)	600561.89	4134746.78	67.62489	
(98091224)							
600560.14	4134762.53	66.14052	(98091224)	600551.87	4134764.48	66.17900	
(98091224)							
600543.61	4134766.43	66.01246	(98091224)	600535.34	4134768.38	65.71614	
(98091224)							
600527.07	4134770.34	65.17208	(98091224)	600518.80	4134772.29	64.32880	
(98091224)							
600510.54	4134774.24	63.18738	(98091224)	600568.28	4134759.55	65.47464	
(98091224)							
600566.41	4134775.34	65.26443	(98091224)	600557.89	4134777.35	65.73344	
(98091224)							
600549.37	4134779.36	65.75046	(98091224)	600540.85	4134781.37	65.51495	
(98091224)							
600532.33	4134783.38	64.99794	(98091224)	600523.81	4134785.39	64.21757	
(98091224)							
600515.30	4134787.40	63.10114	(98091224)	600506.78	4134789.41	61.69399	
(98091224)							
600574.67	4134772.33	64.00761	(98091224)	600572.90	4134788.09	64.64350	
(98091224)							
600564.60	4134790.05	65.47332	(98091224)	600556.29	4134792.01	65.57310	
(98091224)							
600547.99	4134793.97	65.42325	(98091224)	600539.68	4134795.93	65.04551	
(98091224)							
600531.37	4134797.89	64.32699	(98091224)	600523.07	4134799.85	63.38241	
(98091224)							
600514.76	4134801.81	62.20753	(98091224)	600506.46	4134803.77	60.80141	
(98091224)							
600581.05	4134785.11	63.56232	(98091224)	600579.18	4134800.89	63.88700	
(98091224)							
600570.67	4134802.90	64.55102	(98091224)	600562.15	4134804.91	65.04015	
(98091224)							
600553.63	4134806.92	64.81398	(98091224)	600545.11	4134808.93	64.39548	
(98091224)							
600536.59	4134810.95	63.74727	(98091224)	600528.07	4134812.96	62.94383	
(98091224)							
600519.56	4134814.97	61.93474	(98091224)	600511.04	4134816.98	60.71513	
(98091224)							
600502.52	4134818.99	59.39754	(00101824)	600587.44	4134797.89	63.18137	
(98091224)							
600590.97	4134824.36	60.23496	(98091224)	600582.53	4134826.35	61.39175	
(98091224)							
600574.10	4134828.34	62.43914	(98091224)	600565.67	4134830.33	63.20642	
(98091224)							
600557.24	4134832.32	63.21840	(98091224)	600548.81	4134834.31	62.88424	
(98091224)							
600540.38	4134836.30	62.37737	(98091224)	600531.94	4134838.29	61.70428	
(98091224)							
600523.51	4134840.28	61.09148	(98091224)	600515.08	4134842.27	60.24328	
(98091224)							
600506.65	4134844.26	59.78381	(00101824)	600599.18	4134821.36	59.44496	
(98091224)							
600602.58	4134847.87	58.66054	(98091224)	600593.89	4134849.92	59.69159	
(98091224)							
600585.21	4134851.97	60.53770	(98091224)	600576.52	4134854.02	61.18108	
(98091224)							

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** ***

10:33:46

**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600567.83 (98091224)	4134856.07	61.51116 (98091224)	(98091224)	600559.15	4134858.12	61.60945
600550.46 (98091224)	4134860.17	61.55680 (98091224)	(98091224)	600541.77	4134862.22	61.37221
600533.09 (98091224)	4134864.27	61.00890 (98091224)	(98091224)	600610.92	4134844.84	57.54812
600614.36 (98091224)	4134871.34	56.36074 (98091224)	(98091224)	600605.76	4134873.37	57.52679
600597.17 (98091224)	4134875.40	58.35376 (98091224)	(98091224)	600588.57	4134877.42	58.96926
600579.97 (98091224)	4134879.45	59.44842 (98091224)	(98091224)	600571.38	4134881.48	59.68318
600562.78 (98091224)	4134883.51	59.79367 (98091224)	(98091224)	600554.18	4134885.54	60.30221
600622.66 (00120924)	4134868.32	56.70174 (00120924)	(00120924)	600626.14	4134894.81	54.63723
600617.61 (98091224)	4134896.82	54.57816 (98091224)	(98091224)	600609.09	4134898.83	55.64112
600600.56 (98091224)	4134900.84	56.52209 (98091224)	(98091224)	600592.04	4134902.86	57.32048
600583.51 (98091224)	4134904.87	58.15741 (98091224)	(98091224)	600574.99	4134906.88	58.92617
600634.40 (98091224)	4134891.80	55.70897 (00120924)	(00120924)	600572.59	4134652.25	69.52706
600573.32 (98091224)	4134662.52	67.32568 (98091224)	(98091224)	600578.07	4134656.82	67.31299
600582.82 (98091224)	4134651.13	67.08599 (98091224)	(98091224)	600587.57	4134645.43	66.67175
600592.32 (98091224)	4134639.74	66.38994 (98091224)	(98091224)	600597.07	4134634.04	66.06769
600601.82 (98091224)	4134628.35	65.39251 (98091224)	(98091224)	600606.57	4134622.65	64.34782
600611.32 (98091224)	4134616.96	62.98267 (98091224)	(98091224)	600616.07	4134611.27	61.16153
600620.82 (00011724)	4134605.57	59.72579 (00011724)	(00011724)	600625.57	4134599.88	60.20570
600630.32 (00011724)	4134594.18	60.68186 (00011724)	(00011724)	600635.07	4134588.49	61.01186
600639.82 (98091224)	4134582.79	61.26960 (00011724)	(00011724)	600564.34	4134682.41	66.39313
600554.42 (98091224)	4134690.27	68.07105 (98091224)	(98091224)	600574.06	4134672.79	65.35283
600578.81 (98091224)	4134667.09	65.33237 (98091224)	(98091224)	600583.56	4134661.40	65.18091
600588.31 (98091224)	4134655.70	64.88139 (98091224)	(98091224)	600593.06	4134650.01	64.33068
600597.81 (98091224)	4134644.31	63.85623 (98091224)	(98091224)	600602.56	4134638.62	63.40498
600607.31 (98091224)	4134632.92	62.67435 (98091224)	(98091224)	600612.06	4134627.23	61.55473

600616.81 (98091224)	4134621.54	60.14431 (98091224)	600621.56	4134615.84	58.45480
600626.31 (00011724)	4134610.15	58.13921 (00011724)	600631.06	4134604.45	58.76447
600635.81 (00011724)	4134598.76	59.23028 (00011724)	600640.56	4134593.06	59.57953
600645.31 (00011724)	4134587.37	59.79383 (00011724)	600650.06	4134581.67	59.99451
600654.81 (00011724)	4134575.98	60.18668 (00011724)	600659.56	4134570.29	60.35318
600664.31 (00011724)	4134564.59	60.41709 (00011724)	600669.06	4134558.90	60.38119
600673.81 (99101224)	4134553.20	60.33036 (00011724)	600678.56	4134547.51	60.82639
600683.31 (99101224)	4134541.81	61.93000 (99101224)	600688.06	4134536.12	62.97876
600692.81 (99101224)	4134530.42	63.92292 (99101224)	600697.56	4134524.73	64.72564
600702.31 (99101224)	4134519.04	65.47368 (99101224)	600707.06	4134513.34	66.10831
600711.81 (99101224)	4134507.65	66.60778 (99101224)	600716.56	4134501.95	66.97345
600721.31 (98091224)	4134496.26	67.08232 (99101224)	600579.54	4134677.36	63.67964
600584.29 (98091224)	4134671.67	63.46415 (98091224)	600589.04	4134665.97	63.19615
600593.79 (98091224)	4134660.28	62.78901 (98091224)	600598.54	4134654.58	62.27277
600603.29 (98091224)	4134648.89	61.64001 (98091224)	600608.04	4134643.19	60.98220

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600612.79 (98091224)	4134637.50	60.17002 (98091224)	600617.54	4134631.81	59.04316
600622.29 (00120924)	4134626.11	57.60111 (98091224)	600627.04	4134620.42	56.78978
600631.79 (00011724)	4134614.72	56.86640 (00011724)	600636.54	4134609.03	57.51782
600641.29 (00011724)	4134603.33	58.01033 (00011724)	600646.04	4134597.64	58.34891
600650.79 (00011724)	4134591.94	58.57681 (00011724)	600655.54	4134586.25	58.72916
600660.29 (00011724)	4134580.56	58.96108 (00011724)	600665.04	4134574.86	59.11046
600669.79 (00011724)	4134569.17	59.15140 (00011724)	600674.54	4134563.47	59.09117
600679.29	4134557.78	59.08061 (99101224)	600684.04	4134552.08	60.25977

(99101224)							
600688.79	4134546.39	61.44630	(99101224)	600693.54	4134540.69	62.52649	
(99101224)							
600698.29	4134535.00	63.50472	(99101224)	600703.04	4134529.31	64.32525	
(99101224)							
600707.79	4134523.61	65.06500	(99101224)	600712.54	4134517.92	65.72882	
(99101224)							
600717.29	4134512.22	66.30189	(99101224)	600722.04	4134506.53	66.68603	
(99101224)							
600726.79	4134500.83	66.81196	(99101224)	600731.54	4134495.14	66.64683	
(99101224)							
600736.29	4134489.44	66.19397	(99101224)	600741.04	4134483.75	65.33179	
(99101224)							
600745.79	4134478.06	64.06047	(99101224)	600580.53	4134696.35	63.13137	
(98091224)							
600570.05	4134704.64	65.30651	(98091224)	600559.58	4134712.93	67.27179	
(98091224)							
600590.51	4134686.51	61.12883	(98091224)	600595.26	4134680.82	60.19389	
(98091224)							
600600.01	4134675.12	59.31506	(98091224)	600604.76	4134669.43	58.75930	
(98091224)							
600609.51	4134663.73	58.32817	(00120924)	600614.26	4134658.04	58.09897	
(00120924)							
600619.01	4134652.34	57.73373	(00120924)	600623.76	4134646.65	57.32931	
(00120924)							
600628.51	4134640.96	56.89014	(00120924)	600633.26	4134635.26	56.30250	
(00120924)							
600638.01	4134629.57	55.52251	(00120924)	600642.76	4134623.87	54.87048	
(00011724)							
600647.51	4134618.18	55.55851	(00011724)	600652.26	4134612.48	56.09975	
(00011724)							
600657.01	4134606.79	56.49893	(00011724)	600661.76	4134601.09	56.79237	
(00011724)							
600666.51	4134595.40	56.98699	(00011724)	600671.26	4134589.71	57.09504	
(00011724)							
600676.01	4134584.01	57.12374	(00011724)	600680.76	4134578.32	57.08184	
(00011724)							
600685.51	4134572.62	57.00042	(00011724)	600690.26	4134566.93	58.21209	
(99101224)							
600695.01	4134561.23	59.44280	(99101224)	600699.76	4134555.54	60.57721	
(99101224)							
600704.51	4134549.84	61.72163	(99101224)	600709.26	4134544.15	62.72955	
(99101224)							
600714.01	4134538.46	63.64827	(99101224)	600718.76	4134532.76	64.48416	
(99101224)							
600723.51	4134527.07	65.19666	(99101224)	600728.26	4134521.37	65.80632	
(99101224)							
600733.01	4134515.68	66.23918	(99101224)	600737.76	4134509.98	66.38225	
(99101224)							
600742.51	4134504.29	66.20321	(99101224)	600747.26	4134498.59	65.74860	
(99101224)							
600752.01	4134492.90	64.96312	(99101224)	600756.76	4134487.21	63.82716	
(99101224)							
600591.58	4134705.44	60.79810	(98091224)	600581.27	4134713.60	63.26184	
(98091224)							
600570.96	4134721.76	65.95801	(98091224)	600601.48	4134695.66	59.31887	
(00120924)							
600606.23	4134689.97	59.06863	(00120924)	600610.98	4134684.27	58.64970	
(00120924)							
600615.73	4134678.58	58.11192	(00120924)	600620.48	4134672.88	57.67772	
(00120924)							
600625.23	4134667.19	57.41306	(00120924)	600629.98	4134661.50	57.11410	
(00120924)							
600634.73	4134655.80	56.68284	(00120924)	600639.48	4134650.11	56.07093	

(00120924)

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600644.23	4134644.41	55.26726	(00120924)	600648.98	4134638.72	54.30563
(00120924)						
600653.73	4134633.02	53.43949	(00011724)	600658.48	4134627.33	54.13356
(00011724)						
600663.23	4134621.63	54.69421	(00011724)	600667.98	4134615.94	55.12188
(00011724)						
600672.73	4134610.25	55.42600	(00011724)	600677.48	4134604.55	55.61250
(00011724)						
600682.23	4134598.86	55.69023	(00011724)	600686.98	4134593.16	55.77423
(00011724)						
600691.73	4134587.47	55.77368	(00011724)	600696.48	4134581.77	56.22227
(99101224)						
600701.23	4134576.08	57.56245	(99101224)	600705.98	4134570.38	58.81886
(99101224)						
600710.73	4134564.69	59.95300	(99101224)	600715.48	4134559.00	61.00772
(99101224)						
600720.23	4134553.30	62.06053	(99101224)	600724.98	4134547.61	63.06963
(99101224)						
600729.73	4134541.91	63.97831	(99101224)	600734.48	4134536.22	64.76206
(99101224)						
600739.23	4134530.52	65.39474	(99101224)	600743.98	4134524.83	65.86289
(99101224)						
600748.73	4134519.13	66.15010	(99101224)	600753.48	4134513.44	66.13046
(99101224)						
600758.23	4134507.75	65.72021	(99101224)	600762.98	4134502.05	64.87434
(99101224)						
600767.73	4134496.36	63.57659	(99101224)	600601.98	4134715.04	59.98658
(00120924)						
600596.25	4134719.57	59.82951	(00120924)	600590.52	4134724.11	61.41833
(98091224)						
600584.79	4134728.64	63.05362	(98091224)	600579.07	4134733.17	64.69451
(98091224)						
600573.34	4134737.71	66.20337	(98091224)	600567.61	4134742.24	67.14660
(98091224)						
600607.70	4134710.51	59.93415	(00120924)	600612.45	4134704.81	59.69228
(00120924)						
600617.20	4134699.12	59.25351	(00120924)	600621.95	4134693.42	58.67546
(00120924)						
600626.70	4134687.73	58.17631	(00120924)	600631.45	4134682.04	57.68788
(00120924)						
600636.20	4134676.34	57.11305	(00120924)	600640.95	4134670.65	56.67763
(00120924)						
600645.70	4134664.95	56.05694	(00120924)	600650.45	4134659.26	55.28487
(00120924)						

600655.20 (00120924)	4134653.56	54.19359	(00120924)	600659.95	4134647.87	52.82423
600664.70 (00011724)	4134642.17	52.18353	(00011724)	600669.45	4134636.48	52.92103
600674.20 (00011724)	4134630.79	53.51623	(00011724)	600678.95	4134625.09	53.96971
600683.70 (00011724)	4134619.40	54.28071	(00011724)	600688.45	4134613.70	54.59267
600693.20 (00011724)	4134608.01	54.78452	(00011724)	600697.95	4134602.31	54.86807
600702.70 (99101224)	4134596.62	54.85342	(00011724)	600707.45	4134590.92	55.64916
600712.20 (99101224)	4134585.23	57.11920	(99101224)	600716.95	4134579.54	58.28656
600721.70 (99101224)	4134573.84	59.38910	(99101224)	600726.45	4134568.15	60.47129
600731.20 (99101224)	4134562.45	61.46971	(99101224)	600735.95	4134556.76	62.39467
600740.70 (99101224)	4134551.06	63.36747	(99101224)	600745.45	4134545.37	64.26461
600750.20 (99101224)	4134539.67	65.09219	(99101224)	600754.95	4134533.98	65.74036
600759.70 (99101224)	4134528.29	66.16479	(99101224)	600764.45	4134522.59	66.21400
600769.20 (99101224)	4134516.90	65.83229	(99101224)	600773.95	4134511.20	65.01972
600778.70 (00120924)	4134505.51	63.74206	(99101224)	600613.07	4134724.09	60.44032
600607.47 (00120924)	4134728.52	60.46676	(00120924)	600601.87	4134732.96	60.24128
600596.27 (98091224)	4134737.39	60.18957	(98091224)	600590.67	4134741.82	61.58035
600585.08 (98091224)	4134746.25	62.84188	(98091224)	600579.48	4134750.69	63.91672
600573.88 (00120924)	4134755.12	64.83240	(98091224)	600618.67	4134719.66	60.25149

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600623.42 (00120924)	4134713.96	59.81232 (00120924)	600628.17	4134708.27	59.44933
600632.92 (00120924)	4134702.57	58.93243 (00120924)	600637.67	4134696.88	58.34845
600642.42 (00120924)	4134691.19	57.71048 (00120924)	600647.17	4134685.49	57.02404
600651.92 (00120924)	4134679.80	56.29698 (00120924)	600656.67	4134674.10	55.24032
600661.42	4134668.41	53.94319 (00120924)	600666.17	4134662.71	52.53142

(00120924)							
600670.92	4134657.02	51.01235	(00120924)	600675.67	4134651.32	51.08385	
(00011724)							
600680.42	4134645.63	51.84470	(00011724)	600685.17	4134639.94	52.51664	
(00011724)							
600689.92	4134634.24	53.12376	(00011724)	600694.67	4134628.55	53.55636	
(00011724)							
600699.42	4134622.85	53.87901	(00011724)	600704.17	4134617.16	54.06900	
(00011724)							
600708.92	4134611.46	54.13881	(00011724)	600713.67	4134605.77	54.10033	
(00011724)							
600718.42	4134600.07	55.00955	(99101224)	600723.17	4134594.38	56.37305	
(99101224)							
600727.92	4134588.69	57.64700	(99101224)	600732.67	4134582.99	58.82335	
(99101224)							
600737.42	4134577.30	59.89015	(99101224)	600742.17	4134571.60	60.90823	
(99101224)							
600746.92	4134565.91	61.97410	(99101224)	600751.67	4134560.21	62.97558	
(99101224)							
600756.42	4134554.52	63.91432	(99101224)	600761.17	4134548.82	64.82994	
(99101224)							
600765.92	4134543.13	65.56514	(99101224)	600770.67	4134537.44	66.07545	
(99101224)							
600775.42	4134531.74	66.23666	(99101224)	600780.17	4134526.05	65.91993	
(99101224)							
600784.92	4134520.35	65.06742	(99101224)	600789.67	4134514.66	63.87487	
(99101224)							
600624.14	4134733.16	60.74443	(00120924)	600618.65	4134737.51	60.82307	
(00120924)							
600613.15	4134741.87	60.60608	(00120924)	600607.65	4134746.22	60.18252	
(00120924)							
600602.15	4134750.57	59.55663	(00120924)	600596.66	4134754.92	59.64710	
(98091224)							
600591.16	4134759.27	60.91170	(98091224)	600585.66	4134763.63	61.94258	
(98091224)							
600580.16	4134767.98	62.92991	(98091224)	600629.64	4134728.81	60.77988	
(00120924)							
600634.39	4134723.11	60.47651	(00120924)	600639.14	4134717.42	59.90834	
(00120924)							
600643.89	4134711.73	59.05068	(00120924)	600648.64	4134706.03	58.05224	
(00120924)							
600653.39	4134700.34	57.29977	(00120924)	600658.14	4134694.64	56.33225	
(00120924)							
600662.89	4134688.95	55.15521	(00120924)	600667.64	4134683.25	53.77694	
(00120924)							
600672.39	4134677.56	52.25078	(00120924)	600677.14	4134671.86	50.66267	
(00120924)							
600681.89	4134666.17	49.84442m	(98010824)	600686.64	4134660.48	50.15361	
(00011724)							
600691.39	4134654.78	51.06344	(00011724)	600696.14	4134649.09	51.83504	
(00011724)							
600700.89	4134643.39	52.46382	(00011724)	600705.64	4134637.70	52.94495	
(00011724)							
600710.39	4134632.00	53.24781	(00011724)	600715.14	4134626.31	53.44474	
(00011724)							
600719.89	4134620.61	53.51439	(00011724)	600724.64	4134614.92	53.43353	
(00011724)							
600729.39	4134609.23	54.44466	(99101224)	600734.14	4134603.53	55.76973	
(99101224)							
600738.89	4134597.84	57.04341	(99101224)	600743.64	4134592.14	58.25724	
(99101224)							
600748.39	4134586.45	59.50966	(99101224)	600753.14	4134580.75	60.71457	
(99101224)							
600757.89	4134575.06	61.84904	(99101224)	600762.64	4134569.36	62.89299	

```
(99101224)
600767.39 4134563.67 63.81509 (99101224) 600772.14 4134557.98 64.58304
(99101224)
600776.89 4134552.28 65.32002 (99101224) 600781.64 4134546.59 65.78525
(99101224)
600786.39 4134540.89 65.93587 (99101224) 600791.14 4134535.20 65.69175
(99101224)
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*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600795.89	4134529.50	65.03866 (99101224)	600800.64	4134523.81	63.97892
(99101224)					
600635.20	4134742.25	61.50757 (00120924)	600624.37	4134750.82	60.61727
(00120924)					
600618.95	4134755.10	60.29619 (00120924)	600613.54	4134759.39	59.86272
(00120924)					
600608.13	4134763.68	59.23968 (00120924)	600602.71	4134767.96	58.61365
(00120924)					
600591.88	4134776.54	61.30597 (98091224)	600640.61	4134737.96	61.68801
(00120924)					
600645.36	4134732.27	61.27631 (00120924)	600650.11	4134726.57	60.48749
(00120924)					
600654.86	4134720.88	59.44137 (00120924)	600659.61	4134715.18	58.10959
(00120924)					
600664.36	4134709.49	56.65850 (00120924)	600669.11	4134703.79	55.31516
(00120924)					
600673.86	4134698.10	53.94353 (00120924)	600678.61	4134692.40	52.41906
(00120924)					
600683.36	4134686.71	50.67318 (00120924)	600688.11	4134681.02	50.17932m
(98010824)					
600692.86	4134675.32	50.10510m (98010824)	600697.61	4134669.63	50.02896m
(98010824)					
600702.36	4134663.93	50.42066 (00011724)	600707.11	4134658.24	51.20018
(00011724)					
600711.86	4134652.54	51.84089 (00011724)	600716.61	4134646.85	52.33693
(00011724)					
600721.36	4134641.15	52.68998 (00011724)	600726.11	4134635.46	52.86603
(00011724)					
600730.86	4134629.77	52.94887 (00011724)	600735.61	4134624.07	52.91521
(00011724)					
600740.36	4134618.38	54.16153 (99101224)	600745.11	4134612.68	55.55300
(99101224)					
600749.86	4134606.99	56.85337 (99101224)	600754.61	4134601.29	58.14314
(99101224)					
600759.36	4134595.60	59.40532 (99101224)	600764.11	4134589.90	60.62705
(99101224)					
600768.86	4134584.21	61.78553 (99101224)	600773.61	4134578.52	62.85648
(99101224)					

600778.36 (99101224)	4134572.82	63.67109 (99101224)	600783.11	4134567.13	64.47539
600787.86 (99101224)	4134561.43	65.13838 (99101224)	600792.61	4134555.74	65.66822
600797.36 (99101224)	4134550.04	65.83907 (99101224)	600802.11	4134544.35	65.62199
600806.86 (99101224)	4134538.65	64.95993 (99101224)	600811.61	4134532.96	63.95528
600646.24 (00120924)	4134751.34	61.91105 (00120924)	600635.55	4134759.80	61.32299
600624.86 (00120924)	4134768.27	60.43104 (00120924)	600614.17	4134776.73	60.88226
600603.48 (00120924)	4134785.19	60.04696 (98091224)	600656.33	4134741.42	61.59292
600661.08 (00120924)	4134735.72	60.90359 (00120924)	600665.83	4134730.03	59.56155
600670.58 (00120924)	4134724.33	58.03546 (00120924)	600675.33	4134718.64	56.39699
600680.08 (00120924)	4134712.94	54.65547 (00120924)	600684.83	4134707.25	52.86572
600689.58 (98010824)	4134701.55	51.16175 (00120924)	600694.33	4134695.86	50.96368m
600699.08 (98010824)	4134690.17	50.83080m (98010824)	600703.83	4134684.47	50.62713m
600708.58 (98010824)	4134678.78	50.34243m (98010824)	600713.33	4134673.08	50.04725m
600718.08 (00011724)	4134667.39	50.58203 (00011724)	600722.83	4134661.69	51.22779
600727.58 (00011724)	4134656.00	51.73606 (00011724)	600732.33	4134650.30	52.10754
600737.08 (00011724)	4134644.61	52.34482 (00011724)	600741.83	4134638.92	52.41593
600746.58 (99101224)	4134633.22	52.32703 (00011724)	600751.33	4134627.53	53.69604
600756.08 (99101224)	4134621.83	55.29397 (99101224)	600760.83	4134616.14	56.93184
600765.58 (99101224)	4134610.44	58.20340 (99101224)	600770.33	4134604.75	59.45613
600775.08 (99101224)	4134599.05	60.62081 (99101224)	600779.83	4134593.36	61.50492
600784.58 (99101224)	4134587.67	62.31906 (99101224)	600789.33	4134581.97	63.18618

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*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
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600794.08 (99101224)	4134576.28	64.01054 (99101224)	600798.83	4134570.58	64.70793
600803.58	4134564.89	65.34582 (99101224)	600808.33	4134559.19	65.57606

(99101224)							
600813.08	4134553.50	65.37064	(99101224)	600817.83	4134547.80	64.73197	
(99101224)							
600822.58	4134542.11	63.82424	(99101224)	600666.16	4134768.34	61.52696	
(00120924)							
600660.58	4134772.76	62.61435	(00120924)	600655.00	4134777.18	63.63123	
(00120924)							
600649.41	4134781.60	64.15188	(00120924)	600643.83	4134786.02	64.21379	
(00120924)							
600638.25	4134790.44	64.06809	(00120924)	600632.67	4134794.85	63.72261	
(00120924)							
600627.09	4134799.27	63.19262	(00120924)	600621.51	4134803.69	62.48939	
(00120924)							
600615.93	4134808.11	61.63964	(00120924)	600610.34	4134812.53	59.91996	
(00120924)							
600604.76	4134816.95	59.18920	(98091224)	600671.74	4134763.93	60.69253	
(00120924)							
600676.49	4134758.23	59.94902	(00120924)	600681.24	4134752.54	59.09664	
(00120924)							
600685.99	4134746.84	58.09193	(00120924)	600690.74	4134741.15	56.95035	
(00120924)							
600695.49	4134735.45	55.39465	(00120924)	600700.24	4134729.76	54.27797m	
(98010824)							
600704.99	4134724.06	53.83202m	(98010824)	600709.74	4134718.37	53.34795m	
(98010824)							
600714.49	4134712.68	52.77479m	(98010824)	600719.24	4134706.98	52.02816m	
(98010824)							
600723.99	4134701.29	51.48838m	(98010824)	600728.74	4134695.59	50.97437m	
(98010824)							
600733.49	4134689.90	50.42214m	(98010824)	600738.24	4134684.20	49.80567m	
(98010824)							
600742.99	4134678.51	50.12587	(00011724)	600747.74	4134672.81	50.45081	
(00011724)							
600752.49	4134667.12	50.65131	(00011724)	600757.24	4134661.43	50.72623	
(00011724)							
600761.99	4134655.73	50.68194	(00011724)	600766.74	4134650.04	51.02373	
(99101224)							
600771.49	4134644.34	52.25278	(99101224)	600776.24	4134638.65	53.69594	
(99101224)							
600780.99	4134632.95	55.13875	(99101224)	600785.74	4134627.26	56.67317	
(99101224)							
600790.49	4134621.56	58.24019	(99101224)	600795.24	4134615.87	59.75724	
(99101224)							
600799.99	4134610.18	60.55715	(99101224)	600804.74	4134604.48	61.24299	
(99101224)							
600809.49	4134598.79	61.84585	(99101224)	600814.24	4134593.09	62.39384	
(99101224)							
600818.99	4134587.40	62.89696	(99101224)	600823.74	4134581.70	63.42327	
(99101224)							
600828.49	4134576.01	63.73034	(99101224)	600833.24	4134570.31	63.80244	
(99101224)							
600837.99	4134564.62	63.62949	(99101224)	600842.74	4134558.93	63.21314	
(99101224)							
600686.11	4134785.32	59.66638	(00120924)	600680.33	4134789.90	60.69320	
(00120924)							
600674.55	4134794.48	61.51870	(00120924)	600668.76	4134799.05	62.08398	
(00120924)							
600662.98	4134803.63	62.53136	(00120924)	600657.19	4134808.21	62.71116	
(00120924)							
600651.41	4134812.79	62.67742	(00120924)	600645.63	4134817.37	62.43935	
(00120924)							
600639.84	4134821.95	62.01081	(00120924)	600634.06	4134826.53	61.40880	
(00120924)							
600628.27	4134831.11	60.64321	(00120924)	600622.49	4134835.69	59.73833	

(00120924)	600616.71	4134840.26	58.30978	(00120924)	600691.90	4134780.74	58.44666
(00120924)	600696.65	4134775.05	57.23957	(00120924)	600701.40	4134769.35	55.88952
(00120924)	600706.15	4134763.66	54.72385m	(98010824)	600710.90	4134757.96	54.76710m
(98010824)	600715.65	4134752.27	54.74699m	(98010824)	600720.40	4134746.57	54.66921m
(98010824)	600725.15	4134740.88	54.51642m	(98010824)	600729.90	4134735.18	54.29368m
(98010824)	600734.65	4134729.49	54.02817m	(98010824)	600739.40	4134723.80	53.49550m
(98010824)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600744.15	4134718.10	52.38021m (98010824)	600748.90	4134712.41	51.39837m
(98010824)					
600753.65	4134706.71	50.35925m (98010824)	600758.40	4134701.02	49.48025m
(98010824)					
600763.15	4134695.32	48.68021 (00011724)	600767.90	4134689.63	48.91489
(00011724)					
600772.65	4134683.93	48.96824 (00011724)	600777.40	4134678.24	48.84393
(00011724)					
600782.15	4134672.55	49.13212 (99101224)	600786.90	4134666.85	50.14801
(99101224)					
600791.65	4134661.16	51.15799 (99101224)	600796.40	4134655.46	52.17562
(99101224)					
600801.15	4134649.77	53.20412 (99101224)	600805.90	4134644.07	54.34003
(99101224)					
600810.65	4134638.38	55.58504 (99101224)	600815.40	4134632.68	56.73699
(99101224)					
600820.15	4134626.99	57.76488 (99101224)	600824.90	4134621.30	58.69545
(99101224)					
600829.65	4134615.60	59.39600 (99101224)	600834.40	4134609.91	60.04955
(99101224)					
600839.15	4134604.21	60.72627 (99101224)	600843.90	4134598.52	61.24430
(99101224)					
600848.65	4134592.82	61.58379 (99101224)	600853.40	4134587.13	61.72793
(99101224)					
600858.15	4134581.43	61.67100 (99101224)	600862.90	4134575.74	61.41165
(99101224)					
600706.47	4134801.98	56.00638 (00120924)	600700.88	4134806.40	57.25398
(00120924)					
600695.29	4134810.82	58.34018 (00120924)	600689.71	4134815.25	59.25169
(00120924)					
600684.12	4134819.67	59.98192 (00120924)	600678.53	4134824.09	60.52345
(00120924)					

600672.95 (00120924)	4134828.51	60.87318 (00120924)	600667.36	4134832.94	61.03439
600661.77 (00120924)	4134837.36	61.01144 (00120924)	600656.18	4134841.78	60.81493
600650.60 (00120924)	4134846.21	60.45526 (00120924)	600645.01	4134850.63	59.94673
600639.42 (00120924)	4134855.05	59.30381 (00120924)	600633.84	4134859.48	58.54066
600628.25 (00120924)	4134863.90	57.66961 (00120924)	600712.06	4134797.55	54.52926
600716.81 (98010824)	4134791.86	54.85007m (98010824)	600721.56	4134786.17	54.98840m
600726.31 (98010824)	4134780.47	55.04958m (98010824)	600731.06	4134774.78	55.03508m
600735.81 (98010824)	4134769.08	54.94616m (98010824)	600740.56	4134763.39	54.76332m
600745.31 (98010824)	4134757.69	54.48338m (98010824)	600750.06	4134752.00	54.10811m
600754.81 (98010824)	4134746.30	53.62463m (98010824)	600759.56	4134740.61	53.02711m
600764.31 (98010824)	4134734.92	52.30713m (98010824)	600769.06	4134729.22	51.47322m
600773.81 (98010824)	4134723.53	50.48550m (98010824)	600778.56	4134717.83	49.36615m
600783.31 (00011724)	4134712.14	47.57246m (98010824)	600788.06	4134706.44	47.05065
600792.81 (99101224)	4134700.75	47.00442 (00011724)	600797.56	4134695.05	47.64938
600802.31 (99101224)	4134689.36	48.53009 (99101224)	600807.06	4134683.67	49.36017
600811.81 (99101224)	4134677.97	50.04167 (99101224)	600816.56	4134672.28	50.81733
600821.31 (99101224)	4134666.58	51.65887 (99101224)	600826.06	4134660.89	52.61588
600830.81 (99101224)	4134655.19	53.61832 (99101224)	600835.56	4134649.50	54.70838
600840.31 (99101224)	4134643.80	55.70391 (99101224)	600845.06	4134638.11	56.52153
600849.81 (99101224)	4134632.42	57.28223 (99101224)	600854.56	4134626.72	57.96443
600859.31 (99101224)	4134621.03	58.54110 (99101224)	600864.06	4134615.33	58.99748
600868.81 (99101224)	4134609.64	59.30919 (99101224)	600873.56	4134603.94	59.46965
600878.31 (99101224)	4134598.25	59.47171 (99101224)	600883.06	4134592.55	59.31415
600726.46 (98010824)	4134818.92	54.90465m (98010824)	600720.71	4134823.48	54.55009m

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
01/05/16

*** AERMET - VERSION 15181 ***
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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

(YYMMDDHH)

600714.95	4134828.03	54.83113	(00120924)	600709.20	4134832.59	55.99228
(00120924)						
600703.45	4134837.14	56.98615	(00120924)	600697.69	4134841.70	57.80440
(00120924)						
600691.94	4134846.25	58.43980	(00120924)	600686.18	4134850.81	58.89003
(00120924)						
600680.43	4134855.36	59.07066	(00120924)	600674.68	4134859.92	58.98715
(00120924)						
600668.92	4134864.47	58.85932	(00120924)	600663.17	4134869.03	58.61276
(00120924)						
600657.42	4134873.58	58.26008	(00120924)	600651.66	4134878.14	57.89521
(00120924)						
600645.91	4134882.69	57.32790	(00120924)	600640.15	4134887.25	56.56740
(00120924)						
600732.21	4134814.37	55.14691m	(98010824)	600736.96	4134808.67	55.26861m
(98010824)						
600741.71	4134802.98	55.30557m	(98010824)	600746.46	4134797.29	55.10263m
(98010824)						
600751.21	4134791.59	55.12230m	(98010824)	600755.96	4134785.90	54.90008m
(98010824)						
600760.71	4134780.20	54.58609m	(98010824)	600765.46	4134774.51	54.17782m
(98010824)						
600770.21	4134768.81	53.66353m	(98010824)	600774.96	4134763.12	53.02815m
(98010824)						
600779.71	4134757.42	52.26124m	(98010824)	600784.46	4134751.73	51.34699m
(98010824)						
600789.21	4134746.04	50.27927m	(98010824)	600793.96	4134740.34	49.05474m
(98010824)						
600798.71	4134734.65	47.68317m	(98010824)	600803.46	4134728.95	46.20096m
(98010824)						
600808.21	4134723.26	45.95713	(99101224)	600812.96	4134717.56	46.64852
(99101224)						
600817.71	4134711.87	47.29974	(99101224)	600822.46	4134706.17	47.99408
(99101224)						
600827.21	4134700.48	48.73163	(99101224)	600831.96	4134694.79	49.33689
(99101224)						
600836.71	4134689.09	49.93591	(99101224)	600841.46	4134683.40	50.49725
(99101224)						
600846.21	4134677.70	51.06498	(99101224)	600850.96	4134672.01	51.88716
(99101224)						
600855.71	4134666.31	52.80735	(99101224)	600860.46	4134660.62	53.67551
(99101224)						
600865.21	4134654.92	54.56105	(99101224)	600869.96	4134649.23	55.41517
(99101224)						
600874.71	4134643.54	56.07532	(99101224)	600879.46	4134637.84	56.51455
(99101224)						
600884.21	4134632.15	56.85524	(99101224)	600888.96	4134626.45	57.08810
(99101224)						
600893.71	4134620.76	57.20692	(99101224)	600898.46	4134615.06	57.20659
(99101224)						
600903.21	4134609.37	57.08529	(99101224)	600760.53	4134452.73	55.75950
(99101224)						
600756.32	4134459.97	58.56987	(99101224)	600752.11	4134467.20	61.12117
(99101224)						
600764.13	4134445.11	52.91692	(99101224)	600773.87	4134457.80	54.53586
(99101224)						
600769.59	4134465.15	57.31152	(99101224)	600765.32	4134472.50	59.84190
(99101224)						
600761.04	4134479.86	62.08068	(99101224)	600777.51	4134450.13	51.60739
(99101224)						
600787.42	4134462.53	52.87923	(99101224)	600783.48	4134469.29	55.50351

(99101224)	600779.54	4134476.06	57.97793	(99101224)	600775.61	4134482.83	60.22679
(99101224)	600771.67	4134489.59	62.09805	(99101224)	600790.89	4134455.14	50.12959
(99101224)	600800.76	4134467.61	51.66955	(99101224)	600796.75	4134474.50	54.29019
(99101224)	600792.74	4134481.39	56.76641	(99101224)	600788.73	4134488.28	59.05831
(99101224)	600784.72	4134495.17	61.04870	(99101224)	600804.26	4134460.16	49.02487
(99101224)	600814.10	4134472.68	50.94077	(99101224)	600810.03	4134479.67	53.38585
(99101224)	600805.96	4134486.67	55.78644	(99101224)	600801.89	4134493.67	58.05643
(99101224)	600797.82	4134500.66	60.23297	(99101224)	600793.74	4134507.66	62.22608
(99101224)	600817.64	4134465.18	48.46413	(99101224)	600827.45	4134477.74	50.31997

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** **

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YMMDDHH)	Y-COORD (M)	CONC (YMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600823.33	4134484.82	52.67027	(99101224)	600819.20	4134491.91	54.98484
(99101224)						
600815.08	4134499.00	57.24553	(99101224)	600810.95	4134506.09	59.52131
(99101224)						
600806.83	4134513.18	61.52978	(99101224)	600831.01	4134470.19	47.95500
(99101224)						
600840.80	4134482.79	49.85253	(99101224)	600836.63	4134489.96	52.08094
(99101224)						
600832.46	4134497.13	54.20656	(99101224)	600828.29	4134504.29	56.58319
(99101224)						
600824.12	4134511.46	58.78448	(99101224)	600819.95	4134518.63	60.77812
(99101224)						
600815.78	4134525.79	62.54519	(99101224)	600844.39	4134475.21	47.56508
(99101224)						
600854.16	4134487.84	49.64402	(99101224)	600849.95	4134495.08	51.84613
(99101224)						
600845.74	4134502.31	53.97635	(99101224)	600841.53	4134509.55	56.08681
(99101224)						
600837.32	4134516.79	58.12556	(99101224)	600833.11	4134524.02	60.04387
(99101224)						
600828.90	4134531.26	61.76733	(99101224)	600857.77	4134480.22	47.35480
(99101224)						
600878.73	4134497.08	49.17797	(99101224)	600874.49	4134504.36	51.23374
(99101224)						
600870.26	4134511.63	53.21783	(99101224)	600866.03	4134518.91	54.99460
(99101224)						

600861.79 (99101224)	4134526.18	56.63737 (99101224)	600857.56	4134533.46	58.48849
600853.32 (99101224)	4134540.74	60.19754 (99101224)	600849.09	4134548.01	61.63202
600882.34 (99101224)	4134489.44	47.10748 (99101224)	600903.30	4134506.31	48.30590
600899.04 (99101224)	4134513.62	50.37665 (99101224)	600894.79	4134520.93	52.57882
600890.54 (99101224)	4134528.24	54.45758 (99101224)	600886.29	4134535.55	55.93405
600882.03 (99101224)	4134542.85	57.35279 (99101224)	600877.78	4134550.16	58.63890
600873.53 (99101224)	4134557.47	59.87526 (99101224)	600869.28	4134564.78	60.67655
600906.92 (99101224)	4134498.66	46.35706 (99101224)	600927.87	4134515.54	46.83608
600923.60 (99101224)	4134522.88	48.41155 (99101224)	600919.33	4134530.21	50.28437
600915.06 (99101224)	4134537.55	52.16287 (99101224)	600910.80	4134544.88	53.87622
600906.53 (99101224)	4134552.21	55.38594 (99101224)	600902.26	4134559.55	56.60252
600897.99 (99101224)	4134566.88	57.54806 (99101224)	600893.73	4134574.22	58.30199
600889.46 (99101224)	4134581.55	58.85956 (99101224)	600931.50	4134507.88	45.29029
600952.44 (99101224)	4134524.77	45.55201 (99101224)	600948.16	4134532.13	46.97142
600943.88 (99101224)	4134539.48	48.45001 (99101224)	600939.60	4134546.84	50.00664
600935.32 (99101224)	4134554.20	51.53476 (99101224)	600931.04	4134561.55	52.97119
600926.76 (99101224)	4134568.91	54.20465 (99101224)	600922.48	4134576.27	55.15585
600918.20 (99101224)	4134583.62	55.85660 (99101224)	600913.92	4134590.98	56.40247
600909.63 (99101224)	4134598.33	56.79297 (99101224)	600956.08	4134517.09	44.20347
600781.09 (99092524)	4134434.66	52.74894 (99092524)	600797.50	4134422.93	52.02168
600795.46 (99092524)	4134434.22	50.75077 (99092524)	600793.41	4134445.50	49.30238
600811.83 (99092524)	4134422.72	50.45393 (99092524)	600809.80	4134433.87	49.21301
600807.78 (99112724)	4134445.01	47.84613 (99092524)	600828.14	4134411.52	50.30906
600826.14 (99112724)	4134422.55	49.59618 (99112724)	600824.14	4134433.59	48.43660
600822.14 (99101224)	4134444.62	46.96960 (99112724)	600820.14	4134455.66	45.70230
600842.44 (99112724)	4134411.47	49.81143 (99112724)	600840.45	4134422.42	49.11406
600838.47 (99112724)	4134433.36	48.00024 (99112724)	600836.48	4134444.30	46.55142

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE A-1464

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI		IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
(YYMMDDHH)							
600834.50	4134455.25	44.84590	(99112724)	600843.43	4134400.00	50.09409	
(98091324)							
600856.73	4134411.43	49.39606	(99112724)	600854.76	4134422.30	48.69050	
(99112724)							
600852.79	4134433.17	47.58372	(99112724)	600850.82	4134444.04	46.14151	
(99112724)							
600848.85	4134454.91	44.43351	(99112724)	600846.88	4134465.77	45.00307	
(99101224)							
600857.71	4134400.00	49.66983	(99112724)	600870.94	4134411.85	48.95546	
(99112724)							
600868.82	4134423.56	48.14829	(99112724)	600866.69	4134435.26	46.89126	
(99112724)							
600864.57	4134446.96	45.26178	(99112724)	600862.45	4134458.67	43.34002	
(99112724)							
600860.33	4134470.37	44.65774	(99101224)	600872.00	4134400.00	49.27984	
(99112724)							
600897.22	4134411.67	48.17852	(99112724)	600895.16	4134423.02	47.39210	
(99112724)							
600893.11	4134434.37	46.19480	(99112724)	600891.05	4134445.72	44.86245	
(99112724)							
600888.99	4134457.07	43.25149	(99112724)	600886.93	4134468.42	42.43518	
(99101224)							
600884.87	4134479.77	44.84941	(99101224)	600898.25	4134400.00	48.54630	
(99112724)							
600923.50	4134411.54	47.38712	(99112724)	600921.49	4134422.62	46.61436	
(99112724)							
600919.48	4134433.71	45.47090	(99112724)	600917.47	4134444.79	44.19404	
(99112724)							
600915.46	4134455.87	42.75424	(99112724)	600913.45	4134466.95	41.05257	
(99112724)							
600911.44	4134478.04	42.29974	(99101224)	600909.43	4134489.12	44.35636	
(99101224)							
600924.50	4134400.00	47.79018	(99112724)	600949.71	4134411.76	46.56449	
(99112724)							
600947.62	4134423.27	45.74182	(99112724)	600945.53	4134434.79	44.54316	
(99112724)							
600943.44	4134446.30	43.08579	(99112724)	600941.35	4134457.82	41.39571	
(99112724)							
600939.27	4134469.33	39.55333	(99112724)	600937.18	4134480.85	40.54050	
(99101224)							
600935.09	4134492.36	42.57707	(99101224)	600950.75	4134400.00	47.01667	
(99112724)							
600975.98	4134411.64	45.75361	(99112724)	600973.93	4134422.91	44.95856	
(99112724)							
600971.89	4134434.18	43.82360	(99112724)	600969.85	4134445.46	42.38394	
(99112724)							
600967.80	4134456.73	40.68426	(99112724)	600965.76	4134468.00	38.79525	
(99112724)							
600963.71	4134479.27	38.32918	(99101224)	600961.67	4134490.55	40.16278	
(99101224)							
600959.62	4134501.82	41.93126	(99101224)	600977.00	4134400.00	46.22221	
(99112724)							
600869.97	4134390.44	49.93773	(98091324)	600893.37	4134377.03	49.62371	
(98091324)							
600895.32	4134386.22	49.36718	(98091324)	600917.58	4134367.37	48.81815	

(98091324)							
600919.55	4134376.69	48.91902	(98091324)	600921.53	4134386.02	48.63386	
(98091324)							
600947.75	4134385.85	47.93004	(98091324)	600749.25	4134234.05	64.56507m	
(99071424)							
600743.71	4134229.67	66.29072m	(99071424)	600738.18	4134225.28	68.08469m	
(99071424)							
600732.64	4134220.90	69.75788m	(99071424)	600727.10	4134216.52	71.25770m	
(99071424)							
600721.56	4134212.13	72.57095m	(99071424)	600716.02	4134207.75	73.67427m	
(99071424)							
600710.48	4134203.36	74.43669m	(99071424)	600704.94	4134198.98	74.76524m	
(99071424)							
600699.41	4134194.59	74.62492m	(99071424)	600758.12	4134222.85	65.24242m	
(99071424)							
600752.58	4134218.47	67.06747m	(99071424)	600747.04	4134214.08	68.66601m	
(99071424)							
600741.50	4134209.70	70.21274m	(99071424)	600735.97	4134205.31	71.71257m	
(99071424)							
600730.43	4134200.93	73.01189m	(99071424)	600724.89	4134196.55	74.09275m	
(99071424)							
600719.35	4134192.16	74.69795m	(99071424)	600713.81	4134187.78	74.96848m	
(99071424)							
600708.27	4134183.39	74.69527m	(99071424)	600766.99	4134211.65	66.03801m	
(99071424)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600761.45	4134207.27	67.82545m (99071424)	600755.91	4134202.88	69.47929m
(99071424)					
600750.37	4134198.50	70.88028m (99071424)	600744.83	4134194.11	71.96337m
(99071424)					
600739.29	4134189.73	72.91163m (99071424)	600733.76	4134185.34	73.71604m
(99071424)					
600728.22	4134180.96	74.19705m (99071424)	600722.68	4134176.58	74.45079m
(99071424)					
600717.14	4134172.19	74.40448m (99071424)	600777.74	4134186.69	68.50081m
(99071424)					
600772.20	4134182.30	70.01000m (99071424)	600766.66	4134177.92	71.15305m
(99071424)					
600761.13	4134173.53	72.06458m (99071424)	600755.59	4134169.15	72.72681m
(99071424)					
600750.05	4134164.76	73.12229m (99071424)	600744.51	4134160.38	73.23550m
(99071424)					
600738.97	4134155.99	73.20556m (99071424)	600733.43	4134151.61	72.82077m
(99071424)					
600794.04	4134166.11	68.70292m (99071424)	600788.50	4134161.72	69.97804m
(99071424)					

600782.96 (99071424)	4134157.34	71.03469m (99071424)	600777.42	4134152.95	71.85774m
600771.88 (99071424)	4134148.57	72.42558m (99071424)	600766.34	4134144.18	72.72161m
600821.41 (99071424)	4134154.29	65.10555m (99071424)	600815.87	4134149.91	66.92678m
600810.33 (99071424)	4134145.52	68.43712m (99071424)	600804.79	4134141.14	69.70841m
600799.25 (99071424)	4134136.75	70.65964m (99071424)	600793.71	4134132.37	71.37802m
600788.17 (99071424)	4134127.99	71.83908m (99071424)	600782.64	4134123.60	72.03387m
600777.10 (99071424)	4134119.22	71.95139m (99071424)	600771.56	4134114.83	71.58848m
600766.02 (99071424)	4134110.45	70.95329m (99071424)	600854.31	4134146.87	59.34720m
600848.78 (99071424)	4134142.48	61.41540m (99071424)	600843.24	4134138.10	63.42303m
600837.70 (99071424)	4134133.71	65.31495m (99071424)	600832.16	4134129.33	66.92374m
600826.62 (99071424)	4134124.94	68.16969m (99071424)	600821.08	4134120.56	69.22032m
600815.55 (99071424)	4134116.17	70.05611m (99071424)	600810.01	4134111.79	70.66020m
600804.47 (99071424)	4134107.40	71.01565m (99071424)	600798.93	4134103.02	71.11318m
600793.39 (99071424)	4134098.64	70.94796m (99071424)	600787.85	4134094.25	70.51882m
600782.31 (99071424)	4134089.87	69.84460m (99071424)	600689.04	4134187.28	73.37277m
600677.86 (99071424)	4134179.88	70.94193m (99071424)	600671.86	4134176.13	69.22053m
600665.86 (99071424)	4134172.38	67.23071m (99071424)	600659.86	4134168.63	65.02837m
600653.86 (00110124)	4134164.88	62.58637m (99071424)	600647.86	4134161.13	60.55988m
600641.86 (99071424)	4134157.38	58.95839m (00110124)	600697.04	4134175.47	73.15982m
600691.43 (99071424)	4134171.51	71.94348m (99071424)	600685.43	4134167.76	70.40581m
600679.43 (99071424)	4134164.01	68.43069m (99071424)	600673.43	4134160.26	66.18974m
600667.43 (99071424)	4134156.51	63.85259m (99071424)	600661.43	4134152.76	61.40023m
600655.43 (00110124)	4134149.01	59.70307m (00110124)	600649.43	4134145.26	58.16963m
600703.53 (99071424)	4134162.60	72.25539m (99071424)	600693.00	4134155.65	69.16711m
600687.00 (99071424)	4134151.90	67.11576m (99071424)	600681.00	4134148.15	64.89486m
600675.00 (00110124)	4134144.40	62.57859m (99071424)	600669.00	4134140.65	60.36632m
600663.00 (00110124)	4134136.90	58.87671m (00110124)	600657.00	4134133.15	57.46550m
600651.00 (99071424)	4134129.40	56.07647m (00110124)	600718.04	4134140.76	70.04775m
600706.91 (99071424)	4134133.39	66.84239m (99071424)	600700.91	4134129.64	64.99840m
600694.91 (99071424)	4134125.89	63.05172m (99071424)	600688.91	4134122.14	61.05602m

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600682.91 (00110124)	4134118.39	59.15184m (00110124)	600676.91	4134114.64	57.77521m
600670.91 (00110124)	4134110.89	56.32882m (00110124)	600664.91	4134107.14	54.77869m
600745.79 (99071424)	4134096.19	66.90877m (99071424)	600755.91	4134103.32	69.25797m
600734.74 (99071424)	4134088.87	63.89855m (99071424)	600728.74	4134085.12	62.14728m
600722.74 (99071424)	4134081.37	60.30564m (99071424)	600716.74	4134077.62	58.36398m
600710.74 (00110124)	4134073.87	56.38435m (00110124)	600704.74	4134070.12	54.81395m
600698.74 (00120924)	4134066.37	53.07802m (00110124)	600692.74	4134062.62	51.58107
600760.18 (99071424)	4134074.26	65.38443m (99071424)	600771.25	4134082.06	67.95326m
600748.65 (99071424)	4134066.61	62.25878m (99071424)	600742.65	4134062.86	60.49388m
600736.65 (99071424)	4134059.11	58.60181m (99071424)	600730.65	4134055.36	56.56669m
600724.65 (00110124)	4134051.61	54.68588m (00110124)	600718.65	4134047.86	53.00220m
600712.65 (00120924)	4134044.11	51.14340m (00110124)	600706.65	4134040.36	50.70483
600641.60 (00120924)	4134120.86	53.20080m (00110124)	600657.67	4134100.10	52.25305
600684.64 (00120924)	4134054.59	50.74648 (00120924)	600700.71	4134033.83	50.00280
600773.98 (99112624)	4134438.26	53.23236 (99092524)	600592.69	4134142.61	58.94064
600582.69 (99112624)	4134135.41	56.04621 (99112624)	600596.87	4134136.82	57.33234
600586.87 (99112624)	4134129.62	54.84862 (99112624)	600601.04	4134131.02	55.89619
600591.04 (99112624)	4134123.82	53.71972 (99112624)	600605.22	4134125.22	54.54696
600595.22 (99112624)	4134118.02	52.64329 (99112624)	600609.39	4134119.43	53.25602
600599.39 (99112624)	4134112.23	52.18794m (99091624)	600613.56	4134113.63	52.03859
600603.56 (99112624)	4134106.43	51.78463m (99091624)	600622.74	4134111.43	51.05157
600612.74 (99091624)	4134104.23	51.39672m (99091624)	600602.74	4134097.03	50.59004m
600661.93 (00120924)	4134161.89	63.86679m (99071424)	600626.91	4134105.64	50.45033
600616.91 (99091624)	4134098.44	50.98410m (99091624)	600606.91	4134091.24	50.26494m
600663.03	4134144.54	60.10431m (00110124)	600631.08	4134099.84	50.26404

(00120924)	600621.08	4134092.64	50.65098m (99091624)	600611.08	4134085.44	49.95905m
(99091624)	600650.21	4134112.82	53.27011m (00110124)	600656.84	4134122.94	56.01780m
(00110124)	600625.26	4134086.84	50.39108m (99091624)	600615.26	4134079.64	49.71519m
(99091624)	600654.25	4134106.83	52.88137m (00110124)	600660.80	4134116.82	55.69965m
(00110124)	600667.35	4134126.81	58.11157m (00110124)	600682.81	4134157.68	67.63733m
(99071424)	600678.27	4134187.20	71.97993m (99071424)	600629.43	4134081.05	50.14251m
(99091624)	600619.43	4134073.85	49.48999m (99091624)	600665.61	4134099.82	53.49452m
(00110124)	600684.85	4134129.18	61.49583m (99071424)	600691.27	4134138.96	64.91452m
(99071424)	600690.57	4134195.01	74.05496m (99071424)	600637.78	4134069.45	49.63699m
(99091624)	600627.78	4134062.25	49.08241m (99091624)	600677.96	4134094.35	54.66553m
(00110124)	600684.70	4134104.62	57.42758m (00110124)	600691.44	4134114.90	60.24943m
(99071424)	600708.28	4134140.58	68.51360m (99071424)	600710.71	4134151.79	71.19872m
(99071424)	600707.91	4134170.00	73.78357m (99071424)	600702.30	4134206.43	74.34816m
(99071424)	600702.49	4134107.43	61.17441m (99071424)	600709.09	4134117.50	64.36548m
(99071424)	600715.70	4134127.58	67.38864m (99071424)	600724.69	4134148.64	72.02818m
(99071424)						

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600722.86	4134160.54	73.44033m (99071424)	600654.47	4134046.27	48.73965m
(99091624)					
600644.47	4134039.07	48.27032m (99091624)	600697.32	4134075.22	54.50800m
(00110124)					
600733.07	4134129.74	70.25046m (99071424)	600738.66	4134145.51	72.51673m
(99071424)					
600735.96	4134163.09	73.60227m (99071424)	600734.16	4134174.81	73.85077m
(99071424)					
600731.45	4134192.38	73.62638m (99071424)	600667.82	4134038.27	48.35458m
(99091624)					
600657.82	4134031.07	48.24122m (99091624)	600689.53	4134039.02	49.81409
(00120924)					
600696.27	4134049.29	50.90969 (00120924)	600703.01	4134059.57	52.50315m
(00110124)					

600723.21 (99071424)	4134090.39	62.09029m (99071424)	600752.59	4134142.70	72.77178m
600750.72 (99071424)	4134154.84	73.11979m (99071424)	600747.92	4134173.05	73.00485m
600746.05 (99091624)	4134185.20	72.52153m (99071424)	600671.17	4134023.08	47.89012m
600661.17 (00120924)	4134015.88	47.45799m (99091624)	600697.83	4134027.35	49.35513
600717.73 (99071424)	4134057.70	54.68385m (00110124)	600724.37	4134067.82	57.92730m
600731.00 (99071424)	4134077.94	61.22604m (99071424)	600747.58	4134103.24	68.25921m
600754.22 (99071424)	4134113.36	70.37535m (99071424)	600764.73	4134151.53	72.74018m
600762.89 (99071424)	4134163.49	72.48951m (99071424)	600760.13	4134181.43	71.55546m
600758.29 (99071424)	4134193.39	70.59144m (99071424)	600755.53	4134211.33	67.96988m
600679.51 (99091624)	4134011.49	47.33747m (99091624)	600669.51	4134004.29	47.04213m
600706.14 (00120924)	4134015.69	49.12983 (00120924)	600712.68	4134025.68	50.10929
600719.23 (99071424)	4134035.67	50.75877 (00120924)	600742.15	4134070.63	61.88009m
600748.70 (99071424)	4134080.62	64.74901m (99071424)	600755.25	4134090.61	67.32612m
600776.00 (99071424)	4134165.98	71.13114m (99071424)	600771.46	4134195.49	68.45243m
600687.86 (99091624)	4133999.89	46.90416m (99091624)	600677.86	4133992.69	46.61821m
600721.49 (00120924)	4133994.41	48.01303 (00120924)	600728.08	4134004.46	48.94426
600734.66 (00110124)	4134014.50	49.80401 (00120924)	600741.25	4134024.55	52.38922m
600747.83 (99071424)	4134034.59	55.53538m (99071424)	600754.42	4134044.64	59.03306m
600761.00 (99071424)	4134054.68	62.11387m (99071424)	600767.59	4134064.72	64.84580m
600774.17 (99071424)	4134074.77	67.22688m (99071424)	600797.22	4134109.93	71.34202m
600803.81 (99071424)	4134119.97	70.95042m (99071424)	600806.18	4134130.93	70.26675m
600703.20 (99091624)	4133978.59	46.03733 (00120924)	600693.20	4133971.39	45.81362m
600736.84 (00120924)	4133973.13	47.09845 (00120924)	600743.46	4133983.22	47.56933
600750.07 (00110124)	4133993.31	48.15542 (00120924)	600756.69	4134003.40	50.61016m
600763.30 (99071424)	4134013.49	53.77713m (99071424)	600769.92	4134023.58	57.50456m
600776.53 (99071424)	4134033.67	60.63910m (99071424)	600783.14	4134043.76	63.41151m
600789.76 (99071424)	4134053.84	65.84818m (99071424)	600796.37	4134063.93	67.82204m
600802.99 (99071424)	4134074.02	69.28779m (99071424)	600809.60	4134084.11	70.14589m
600816.21 (99071424)	4134094.20	70.32599m (99071424)	600822.83	4134104.29	69.80625m
600829.44 (99071424)	4134114.38	68.62089m (99071424)	600830.00	4134137.31	66.36480m
600828.16 (99091624)	4134149.23	64.59988m (99071424)	600708.54	4133950.09	44.97107m
600752.19 (00120924)	4133951.85	46.37998 (00120924)	600758.83	4133961.97	46.72347

600765.47 4133972.10 46.95243 (00120924) 600772.11 4133982.22 48.76823m
 (00110124)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600778.75	4133992.35	51.68446m (00110124)	600785.38	4134002.47	54.98764m
(99071424)					
600792.02	4134012.60	58.26523m (99071424)	600798.66	4134022.72	61.08186m
(99071424)					
600805.30	4134032.85	63.70361m (99071424)	600811.94	4134042.98	65.87442m
(99071424)					
600818.57	4134053.10	67.35780m (99071424)	600825.21	4134063.23	68.42446m
(99071424)					
600831.85	4134073.35	69.09579m (99071424)	600838.49	4134083.48	68.75560m
(99071424)					
600845.13	4134093.60	67.77146m (99071424)	600851.76	4134103.73	66.42532m
(99071424)					
600857.48	4134119.84	63.33589m (99071424)	600855.64	4134131.80	61.68068m
(99071424)					
600723.87	4133928.78	44.08425m (99091624)	600767.54	4133930.56	45.61076
(00120924)					
600774.20	4133940.72	45.82691 (00120924)	600780.86	4133950.87	45.92924
(00120924)					
600787.52	4133961.03	47.31176m (00110124)	600794.17	4133971.18	50.09074m
(00110124)					
600800.83	4133981.34	52.87925m (99071424)	600807.49	4133991.49	56.16356m
(99071424)					
600814.15	4134001.65	59.04355m (99071424)	600820.80	4134011.80	61.50486m
(99071424)					
600827.46	4134021.96	63.58585m (99071424)	600834.12	4134032.12	65.13584m
(99071424)					
600840.78	4134042.27	66.21253m (99071424)	600847.44	4134052.43	66.84519m
(99071424)					
600854.09	4134062.58	66.83349m (99071424)	600860.75	4134072.74	66.00400m
(99071424)					
600867.41	4134082.89	64.85357m (99071424)	600874.07	4134093.05	63.31973m
(99071424)					
600880.73	4134103.20	61.08465m (99071424)	600883.13	4134114.28	58.95391m
(99071424)					
600881.28	4134126.29	57.29740m (99071424)	600739.21	4133907.48	43.60411
(00120924)					
600570.85	4134130.11	55.40978m (98122724)	600562.60	4134121.21	55.92363m
(98122724)					
600575.45	4134124.42	54.69032m (98122724)	600561.38	4134114.07	55.71058m
(98122724)					
600573.71	4134117.15	55.10779m (98122724)	600547.81	4134109.11	53.71908m
(98122724)					
600568.64	4134109.04	55.62219m (98122724)	600583.02	4134112.63	53.43388m

(98122724)	600534.86	4134108.81	50.53401m (98122724)	600541.01	4134105.33	52.03152m
(98122724)	600547.15	4134101.86	53.30853m (98122724)	600560.14	4134100.09	55.29583m
(98122724)	600566.99	4134101.79	55.60031m (98122724)	600573.84	4134103.50	55.16372m
(98122724)	600580.69	4134105.21	54.15510m (98122724)	600587.54	4134106.92	52.61302m
(98122724)	600507.15	4134130.81	50.46834m (98011024)	600502.50	4134136.59	51.64676m
(98011024)	600497.86	4134142.38	52.71844m (98011024)	600493.22	4134148.16	53.70437m
(98011024)	600488.58	4134153.95	54.53797m (98011024)	600483.93	4134159.74	55.21925m
(98011024)	600479.29	4134165.52	55.75534m (98011024)	600474.65	4134171.31	56.17318m
(98011024)	600470.00	4134177.09	56.48371m (98011024)	600465.36	4134182.88	56.67624m
(98011024)	600460.72	4134188.66	56.70346m (98011024)	600456.08	4134194.45	56.58306m
(98011024)	600451.43	4134200.24	56.26942m (98011024)	600528.63	4134104.71	48.61844m
(98122724)	600534.56	4134101.36	50.12779m (98122724)	600546.41	4134094.65	52.86433m
(98122724)	600558.94	4134092.95	54.97642m (98122724)	600572.14	4134096.24	55.25196m
(98122724)	600585.35	4134099.54	53.26780m (98122724)	600501.58	4134126.34	50.41432m
(98011024)	600496.93	4134132.12	51.37314m (98011024)	600492.29	4134137.91	52.30315m
(98011024)	600487.65	4134143.69	53.14301m (98011024)	600483.00	4134149.48	53.88089m
(98011024)	600478.36	4134155.27	54.50864m (98011024)	600473.72	4134161.05	54.99656m
(98011024)	600469.08	4134166.84	55.40370m (98011024)	600464.43	4134172.62	55.70936m
(98011024)						

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 *** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600459.79	4134178.41	55.86798m	(98011024)	600455.15	4134184.19	55.86880m
(98011024)						
600450.50	4134189.98	55.70598m	(98011024)	600445.86	4134195.77	55.38962m
(98011024)						
600522.57	4134100.52	47.32938	(99061724)	600534.09	4134094.00	49.67499m
(98122724)						
600545.61	4134087.48	52.39131m	(98122724)	600557.79	4134085.83	54.61747m
(98122724)						

600570.63 (98122724)	4134089.03	55.23871m (98122724)	600583.47	4134092.23	53.72605m
600496.01 (98011024)	4134121.87	50.28108m (98011024)	600491.36	4134127.65	51.09712m
600486.72 (98011024)	4134133.44	51.87677m (98011024)	600482.08	4134139.22	52.60075m
600477.43 (98011024)	4134145.01	53.26487m (98011024)	600472.79	4134150.80	53.82851m
600468.15 (98011024)	4134156.58	54.32153m (98011024)	600463.51	4134162.37	54.69745m
600458.86 (98011024)	4134168.15	54.95477m (98011024)	600454.22	4134173.94	55.07047m
600449.58 (98011024)	4134179.72	55.04193m (98011024)	600444.93	4134185.51	54.85315m
600440.29 (99061724)	4134191.30	54.97908 (00082924)	600512.39	4134098.66	47.30777
600525.06 (98122724)	4134091.49	46.96083m (98122724)	600537.73	4134084.32	50.25301m
600544.07 (98122724)	4134080.73	51.75444m (98122724)	600564.53	4134080.67	55.11256m
600578.66 (98122724)	4134084.19	54.46007m (98122724)	600592.78	4134087.71	51.75126m
600599.85 (98011024)	4134089.48	49.96646m (98122724)	600490.43	4134117.40	50.10633m
600485.79 (98011024)	4134123.18	50.80020m (98011024)	600481.15	4134128.97	51.46169m
600476.51 (98011024)	4134134.75	52.09777m (98011024)	600471.86	4134140.54	52.68464m
600467.22 (98011024)	4134146.32	53.21724m (98011024)	600462.58	4134152.11	53.66264m
600457.93 (98011024)	4134157.90	53.98954m (98011024)	600453.29	4134163.68	54.22153m
600448.65 (00082924)	4134169.47	54.32000m (98011024)	600444.01	4134175.25	54.27553
600439.36 (00082924)	4134181.04	54.54996 (00082924)	600434.72	4134186.82	54.71013
600506.44 (99061724)	4134094.40	46.94814 (99061724)	600512.58	4134090.93	46.80968
600518.72 (98011524)	4134087.45	46.49133 (99061724)	600524.87	4134083.97	46.68078m
600531.01 (98122724)	4134080.50	48.18819m (98122724)	600537.15	4134077.02	49.77308m
600543.30 (98122724)	4134073.54	51.24941m (98122724)	600556.29	4134071.78	53.89693m
600563.14 (98122724)	4134073.48	54.86746m (98122724)	600569.99	4134075.19	54.95779m
600576.84 (98122724)	4134076.90	54.57147m (98122724)	600583.69	4134078.61	53.67884m
600590.54 (98122724)	4134080.32	52.36577m (98122724)	600597.39	4134082.02	50.81230m
600604.23 (98011024)	4134083.73	49.05944m (98122724)	600484.86	4134112.93	49.91084m
600480.22 (98011024)	4134118.71	50.50103m (98011024)	600475.58	4134124.50	51.07525m
600470.93 (98011024)	4134130.28	51.62684m (98011024)	600466.29	4134136.07	52.15483m
600461.65 (98011024)	4134141.85	52.61762m (98011024)	600457.01	4134147.64	52.99646m
600452.36 (98011024)	4134153.43	53.27868m (98011024)	600447.72	4134159.21	53.46782m
600443.08 (00082924)	4134165.00	53.79408 (00082924)	600438.43	4134170.78	54.13949
600433.79 (00082924)	4134176.57	54.33601 (00082924)	600429.15	4134182.35	54.45844

600500.56 (99061724)	4134090.11	47.20937m (98011024)	600512.54	4134083.33	46.32373
600524.52 (98122724)	4134076.55	46.49226m (98011524)	600536.50	4134069.77	49.24831m
600555.16 (98122724)	4134064.66	53.44044m (98122724)	600568.51	4134067.99	54.84465m
600575.19 (98122724)	4134069.65	54.63601m (98122724)	600588.55	4134072.98	52.88177m

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** ***
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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600595.22 (99091624)	4134074.65	51.47077m (98122724)	600608.58	4134077.98	48.55818m
600479.29 (98011024)	4134108.46	49.71595m (98011024)	600474.65	4134114.24	50.21551m
600470.01 (98011024)	4134120.03	50.72050m (98011024)	600465.36	4134125.81	51.21080m
600460.72 (98011024)	4134131.60	51.64883m (98011024)	600456.08	4134137.38	52.02071m
600451.44 (98011024)	4134143.17	52.32768m (98011024)	600446.79	4134148.96	52.54791m
600442.15 (00082924)	4134154.74	52.97381 (00082924)	600437.51	4134160.53	53.54085
600432.86 (00082924)	4134166.31	53.97135 (00082924)	600428.22	4134172.10	54.12837
600423.58 (98011024)	4134177.88	54.21226 (00082924)	600502.36	4134081.46	46.30012m
600515.26 (98122724)	4134074.16	45.68604 (99061724)	600528.16	4134066.86	46.73254m
600541.06 (98122724)	4134059.56	50.04100m (98122724)	600554.71	4134057.71	53.09583m
600561.90 (98122724)	4134059.50	54.29658m (98122724)	600583.47	4134064.88	53.78729m
600605.05 (99091624)	4134070.26	49.47327m (98122724)	600612.24	4134072.05	48.31811m
600473.72 (98011024)	4134103.98	49.52189m (98011024)	600469.08	4134109.77	49.96398m
600464.44 (98011024)	4134115.56	50.40421m (98011024)	600459.79	4134121.34	50.80366m
600455.15 (98011024)	4134127.13	51.15061m (98011024)	600450.51	4134132.91	51.42564m
600445.86 (00082924)	4134138.70	51.63367m (98011024)	600441.22	4134144.48	52.22930
600436.58 (00082924)	4134150.27	52.84165 (00082924)	600431.94	4134156.06	53.32879
600427.29 (00082924)	4134161.84	53.71905 (00082924)	600422.65	4134167.63	53.91954
600418.01	4134173.41	53.96061 (00082924)	600484.15	4134076.52	47.70461m

(98011024)	600490.30	4134073.04	46.94339m (98011024)	600496.44	4134069.57	46.03351m
(98011024)	600502.58	4134066.09	45.27253 (99061724)	600508.73	4134062.62	45.08227
(99061724)	600514.87	4134059.14	45.09123m (98011524)	600521.01	4134055.66	45.75369m
(98011524)	600527.16	4134052.19	46.28201m (98011524)	600533.30	4134048.71	47.31866m
(98122724)	600539.44	4134045.23	48.91434m (98122724)	600552.44	4134043.47	52.02724m
(98122724)	600559.29	4134045.17	53.38428m (98122724)	600566.14	4134046.88	54.19669m
(98122724)	600572.98	4134048.59	54.35533m (98122724)	600579.83	4134050.30	54.08436m
(98122724)	600586.68	4134052.01	53.38552m (98122724)	600593.53	4134053.71	52.31982m
(98122724)	600600.38	4134055.42	51.06718m (98122724)	600607.23	4134057.13	49.57091m
(98122724)	600614.08	4134058.84	47.92204m (98122724)	600620.93	4134060.55	48.14340m
(99091624)	600462.58	4134095.04	49.32932m (98011024)	600457.94	4134100.83	49.56773m
(98011024)	600453.29	4134106.62	49.75940m (98011024)	600448.65	4134112.40	50.17124
(00082924)	600444.01	4134118.19	50.68261 (00082924)	600439.37	4134123.97	51.24536
(00082924)	600434.72	4134129.76	51.77692 (00082924)	600430.08	4134135.54	52.25073
(00082924)	600425.44	4134141.33	52.71191 (00082924)	600420.79	4134147.12	53.12052
(00082924)	600416.15	4134152.90	53.34663 (00082924)	600411.51	4134158.69	53.45939
(00082924)	600406.87	4134164.47	53.40962 (00082924)	600467.10	4134070.92	48.33626m
(98011024)	600473.48	4134067.31	47.83440m (98011024)	600479.86	4134063.70	47.19374m
(98011024)	600486.24	4134060.09	46.40654m (98011024)	600492.62	4134056.48	45.46708m
(98011024)	600499.00	4134052.87	44.50922 (99061724)	600505.38	4134049.26	44.33445
(99061724)	600511.76	4134045.65	44.39841m (98011524)	600518.14	4134042.04	45.17715m
(98011524)						

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600524.52	4134038.43	45.81383m (98011524)	600530.90	4134034.82	46.27731m
(98011524)					

600537.28 (98122724)	4134031.21	47.63018m (98122724)	600550.77	4134029.38	51.04614m
600557.89 (98122724)	4134031.15	52.58446m (98122724)	600565.00	4134032.92	53.65174m
600572.11 (98122724)	4134034.70	54.00748m (98122724)	600579.22	4134036.47	53.93258m
600586.34 (98122724)	4134038.24	53.42346m (98122724)	600593.45	4134040.02	52.50278m
600446.79 (00082924)	4134091.89	49.77029 (00082924)	600442.15	4134097.67	50.21076
600437.51 (00082924)	4134103.46	50.67840 (00082924)	600432.87	4134109.25	51.15768
600428.22 (00082924)	4134115.03	51.67651 (00082924)	600423.58	4134120.82	52.09364
600418.94 (00082924)	4134126.60	52.49434 (00082924)	600414.29	4134132.39	52.83961
600409.65 (00082924)	4134138.17	52.95943 (00082924)	600405.01	4134143.96	52.97040
600400.37 (00082924)	4134149.75	52.90555 (00082924)	600395.72	4134155.53	52.75416
600474.16 (98011024)	4134051.69	46.87763m (98011024)	600480.30	4134048.21	46.16043m
600486.44 (98011024)	4134044.73	45.30820m (98011024)	600492.59	4134041.26	44.32163m
600498.73 (99061724)	4134037.78	43.71157 (99061724)	600504.87	4134034.30	43.48836
600511.02 (98011524)	4134030.83	44.00581m (98011524)	600517.16	4134027.35	44.78830m
600523.30 (98011524)	4134023.88	45.43375m (98011524)	600529.45	4134020.40	45.92380m
600535.59 (98122724)	4134016.92	46.42547m (98122724)	600548.58	4134015.16	49.83835m
600555.43 (98122724)	4134016.86	51.46293m (98122724)	600617.08	4134032.23	48.43864m
600623.92 (99091624)	4134033.94	46.84127m (98122724)	600630.77	4134035.65	46.40727m
600637.62 (00082924)	4134037.36	47.56135m (99091624)	600444.78	4134053.06	48.12649
600451.11 (98011024)	4134049.48	47.83712m (98011024)	600457.45	4134045.89	47.49001m
600489.12 (99061724)	4134027.97	43.78627m (98011024)	600495.46	4134024.39	42.99685
600501.80 (98011524)	4134020.80	42.78495 (99061724)	600508.13	4134017.22	43.30919m
600514.47 (98011524)	4134013.63	44.17765m (98011524)	600520.80	4134010.05	44.90574m
600527.14 (98011524)	4134006.46	45.47458m (98011524)	600533.47	4134002.88	45.86565m
600575.12 (98122724)	4134008.10	53.12599m (98122724)	600582.19	4134009.86	53.23385m
600589.25 (98122724)	4134011.62	52.90252m (98122724)	600596.31	4134013.38	52.27856m
600603.38 (98122724)	4134015.14	51.39265m (98122724)	600610.44	4134016.91	50.22226m
600617.50 (98122724)	4134018.67	48.83161m (98122724)	600624.57	4134020.43	47.27506m
600631.63 (99091624)	4134022.19	45.60692m (98122724)	600638.69	4134023.95	46.14943m
600645.76 (00082924)	4134025.71	47.21836m (99091624)	600424.51	4134074.01	50.89709
600419.87 (00082924)	4134079.79	51.23882 (00082924)	600415.23	4134085.58	51.52887
600410.58 (00082924)	4134091.36	51.77925 (00082924)	600405.94	4134097.15	51.92142

600401.30 (00082924)	4134102.93	51.99868 (00082924)	600396.65	4134108.72	52.01520
600392.01 (00082924)	4134114.51	51.96850 (00082924)	600387.37	4134120.29	51.85294
600382.73 (00082924)	4134126.08	51.66219 (00082924)	600378.08	4134131.86	51.38421
600373.44 (00082924)	4134137.65	51.01177 (00082924)	600433.44	4134044.23	48.77911
600439.59 (98011024)	4134040.76	47.89498 (00082924)	600445.73	4134037.28	47.44904m
600451.87 (98011024)	4134033.80	47.14303m (98011024)	600458.02	4134030.33	46.71720m
600464.16 (98011024)	4134026.85	46.16774m (98011024)	600470.30	4134023.38	45.50086m

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600501.02 (98011524)	4134005.99	41.99221 (99061724)	600507.16	4134002.52	42.87413m
600513.31 (98011524)	4133999.04	43.73333m (98011524)	600519.45	4133995.57	44.46335m
600544.73 (98122724)	4133986.85	47.15540m (98122724)	600551.58	4133988.55	48.78140m
600558.43 (98122724)	4133990.26	50.21540m (98122724)	600565.28	4133991.97	51.38577m
600572.13 (98122724)	4133993.68	52.20171m (98122724)	600578.98	4133995.38	52.65711m
600585.83 (98122724)	4133997.09	52.74202m (98122724)	600592.68	4133998.80	52.48024m
600599.52 (98122724)	4134000.51	51.94357m (98122724)	600606.37	4134002.22	51.10504m
600613.22 (98122724)	4134003.92	50.01425m (98122724)	600620.07	4134005.63	48.71915m
600626.92 (98122724)	4134007.34	47.26708m (98122724)	600633.77	4134009.05	45.69803m
600640.62 (99091624)	4134010.76	44.74325m (99091624)	600647.47	4134012.46	46.00939m
600654.32 (00082924)	4134014.17	46.91124m (99091624)	600427.30	4134047.71	49.49841
600413.37 (00082924)	4134065.07	50.92708 (00082924)	600408.73	4134070.85	51.19611
600404.08 (00082924)	4134076.64	51.38261 (00082924)	600399.44	4134082.42	51.49523
600394.80 (00082924)	4134088.21	51.54095 (00082924)	600390.16	4134093.99	51.52383
600385.51 (00082924)	4134099.78	51.44181 (00082924)	600380.87	4134105.57	51.29448
600376.23	4134111.35	51.07479 (00082924)	600371.58	4134117.14	50.77415

(00082924)	600366.94	4134122.92	50.38497	(00082924)	600362.30	4134128.71	49.89562
(00082924)	600422.46	4134035.20	49.18415	(00082924)	600428.77	4134031.63	48.45381
(00082924)	600435.07	4134028.06	47.55687	(00082924)	600441.38	4134024.50	47.02705m
(98011024)	600447.68	4134020.93	46.72299m	(98011024)	600453.99	4134017.36	46.28998m
(98011024)	600460.29	4134013.79	45.73174m	(98011024)	600466.60	4134010.23	45.05067m
(98011024)	600472.90	4134006.66	44.24301m	(98011024)	600479.21	4134003.09	43.31182m
(98011024)	600485.51	4133999.52	42.26086m	(98011024)	600529.65	4133974.55	45.02326m
(98011524)	600542.99	4133972.73	46.01787m	(98122724)	600550.01	4133974.49	47.71894m
(98122724)	600557.04	4133976.24	49.21579m	(98122724)	600564.07	4133977.99	50.46433m
(98122724)	600571.10	4133979.75	51.42099m	(98122724)	600578.13	4133981.50	52.05898m
(98122724)	600585.16	4133983.25	52.35555m	(98122724)	600592.19	4133985.00	52.30226m
(98122724)	600599.22	4133986.76	51.91216m	(98122724)	600606.25	4133988.51	51.20790m
(98122724)	600613.28	4133990.26	50.22686m	(98122724)	600620.31	4133992.02	49.01893m
(98122724)	600627.34	4133993.77	47.63020m	(98122724)	600634.37	4133995.52	46.10329m
(98122724)	600641.40	4133997.28	44.46850m	(98122724)	600648.43	4133999.03	44.52602m
(99091624)	600655.46	4134000.78	45.71282m	(99091624)	600662.48	4134002.53	46.54618m
(99091624)	600416.16	4134038.77	49.75250	(00082924)	600402.23	4134056.12	50.79899
(00082924)	600397.58	4134061.91	50.96180	(00082924)	600392.94	4134067.70	51.04661
(00082924)	600388.30	4134073.48	51.06151	(00082924)	600383.66	4134079.27	51.01071
(00082924)	600379.01	4134085.05	50.89445	(00082924)	600374.37	4134090.84	50.71331
(00082924)	600369.73	4134096.62	50.46258	(00082924)	600365.08	4134102.41	50.13416
(00082924)	600360.44	4134108.20	49.72331	(00082924)	600355.80	4134113.98	49.21938
(00082924)	600351.16	4134119.77	48.61251	(00082924)	600411.47	4134026.18	49.40413
(00082924)	600417.92	4134022.53	48.83053	(00082924)	600424.37	4134018.88	48.09159
(00082924)							

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*** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600430.82 (98011024)	4134015.23	47.18017	(00082924)	600437.27	4134011.58	46.59909m
600443.72 (98011024)	4134007.93	46.29506m	(98011024)	600450.17	4134004.28	45.85816m
600456.62 (98011024)	4134000.63	45.29382m	(98011024)	600463.07	4133996.98	44.60021m
600469.52 (98011024)	4133993.33	43.78142m	(98011024)	600475.97	4133989.68	42.83877m
600482.42 (99061724)	4133986.03	41.77645m	(98011024)	600488.87	4133982.38	40.88620
600495.32 (98011524)	4133978.73	40.66546	(99061724)	600527.58	4133960.48	44.53759m
600541.22 (98122724)	4133958.62	45.27091m	(98011524)	600548.41	4133960.41	46.64982m
600555.60 (98122724)	4133962.21	48.25016m	(98122724)	600562.80	4133964.00	49.61852m
600569.99 (98122724)	4133965.79	50.70774m	(98122724)	600577.18	4133967.59	51.49191m
600584.37 (98122724)	4133969.38	51.94138m	(98122724)	600591.56	4133971.17	52.04344m
600598.75 (98122724)	4133972.97	51.80452m	(98122724)	600605.95	4133974.76	51.24023m
600613.14 (98122724)	4133976.55	50.38619m	(98122724)	600620.33	4133978.35	49.28014m
600627.52 (98122724)	4133980.14	47.97003m	(98122724)	600634.71	4133981.93	46.49924m
600641.90 (98122724)	4133983.73	44.90237m	(98122724)	600649.09	4133985.52	43.20882m
600656.29 (99091624)	4133987.31	44.29465m	(99091624)	600663.48	4133989.11	45.40470m
600670.67 (00082924)	4133990.90	46.17388m	(99091624)	600405.01	4134029.83	49.82355
600386.44 (00082924)	4134052.97	50.57144	(00082924)	600381.80	4134058.75	50.55765
600377.16 (00082924)	4134064.54	50.47390	(00082924)	600372.51	4134070.33	50.32523
600367.87 (00082924)	4134076.11	50.10970	(00082924)	600363.23	4134081.90	49.82725
600358.59 (00082924)	4134087.68	49.47148	(00082924)	600353.94	4134093.47	49.03298
600349.30 (00082924)	4134099.25	48.50958	(00082924)	600344.66	4134105.04	47.89259
600340.01 (00082924)	4134110.83	47.17016	(00082924)	600390.89	4134009.81	49.36080
600397.23 (00082924)	4134006.22	49.09215	(00082924)	600403.58	4134002.63	48.68382
600409.92 (00082924)	4133999.04	48.12835	(00082924)	600416.27	4133995.44	47.41763
600422.61 (98011024)	4133991.85	46.54958	(00082924)	600428.96	4133988.26	45.84022m
600435.31 (98011024)	4133984.67	45.57960m	(98011024)	600441.65	4133981.08	45.19496m
600448.00 (98011024)	4133977.49	44.68957m	(98011024)	600454.34	4133973.90	44.06596m
600460.69 (98011024)	4133970.31	43.32611m	(98011024)	600467.03	4133966.72	42.47479m
600492.42 (98011524)	4133952.36	39.39765	(99061724)	600498.76	4133948.77	40.36906m
600505.11 (98011524)	4133945.18	41.35879m	(98011524)	600511.45	4133941.59	42.23512m

600517.80 (98011524)	4133938.00	42.98342m (98011524)	600524.14	4133934.41	43.59370m
600544.64 (98122724)	4133934.34	44.79370m (98011524)	600551.71	4133936.11	46.12582m
600558.79 (98122724)	4133937.87	47.63982m (98122724)	600565.86	4133939.64	48.93750m
600572.94 (98122724)	4133941.40	49.99222m (98122724)	600580.01	4133943.17	50.76944m
600587.08 (98122724)	4133944.93	51.25270m (98122724)	600594.16	4133946.69	51.43010m
600601.23 (98122724)	4133948.46	51.30184m (98122724)	600608.31	4133950.22	50.88006m
600615.38 (98122724)	4133951.99	50.18943m (98122724)	600622.46	4133953.75	49.25535m
600629.53 (98122724)	4133955.51	48.11612m (98122724)	600636.60	4133957.28	46.80689m
600643.68 (98122724)	4133959.04	45.36021m (98122724)	600650.75	4133960.81	43.80431m
600657.83 (99091624)	4133962.57	42.16000m (98122724)	600664.90	4133964.33	42.83598m

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600671.98 (99091624)	4133966.10	44.00404m (99091624)	600679.05	4133967.86	44.88654m
600686.12 (00082924)	4133969.63	45.48710m (99091624)	600384.54	4134013.40	49.49931
600379.90 (00082924)	4134019.18	49.60811 (00082924)	600365.97	4134036.54	49.45350
600361.33 (00082924)	4134042.33	49.25768 (00082924)	600356.68	4134048.11	48.99372
600352.04 (00082924)	4134053.90	48.66171 (00082924)	600347.40	4134059.68	48.26101
600342.76 (00082924)	4134065.47	47.78921 (00082924)	600338.11	4134071.25	47.23634
600333.47 (00082924)	4134077.04	46.60344 (00082924)	600328.83	4134082.83	45.88287
600324.18 (00082924)	4134088.61	45.06656 (00082924)	600319.54	4134094.40	44.15539
600370.33 (00082924)	4133993.42	48.72774 (00082924)	600376.60	4133989.88	48.72271
600382.86 (00082924)	4133986.33	48.59760 (00082924)	600389.13	4133982.79	48.34762
600395.39 (00082924)	4133979.24	47.96380 (00082924)	600401.66	4133975.70	47.43802
600407.92 (00082924)	4133972.16	46.76924 (00082924)	600414.19	4133968.61	45.94921
600420.45	4133965.07	45.06844m (98011024)	600426.71	4133961.52	44.86081m

(98011024)						
600432.98	4133957.98	44.53580m	(98011024)	600439.24	4133954.43	44.09828m
(98011024)						
600445.51	4133950.89	43.54870m	(98011024)	600464.30	4133940.25	41.26767m
(98011024)						
600470.57	4133936.71	40.31163m	(98011024)	600476.83	4133933.16	39.26377m
(98011024)						
600483.10	4133929.62	38.43276	(99061724)	600489.36	4133926.07	38.18918
(99061724)						
600495.63	4133922.53	39.25473m	(98011524)	600501.89	4133918.99	40.24521m
(98011524)						
600508.16	4133915.44	41.13812m	(98011524)	600514.42	4133911.90	41.91564m
(98011524)						
600520.69	4133908.35	42.57439m	(98011524)	600533.93	4133906.55	43.67406m
(98011524)						
600540.92	4133908.29	44.06491m	(98011524)	600561.87	4133913.51	46.98117m
(98122724)						
600568.85	4133915.26	48.22512m	(98122724)	600575.84	4133917.00	49.24797m
(98122724)						
600582.82	4133918.74	50.02119m	(98122724)	600589.81	4133920.48	50.53194m
(98122724)						
600596.79	4133922.22	50.76791m	(98122724)	600603.78	4133923.96	50.72857m
(98122724)						
600610.76	4133925.71	50.42328m	(98122724)	600617.74	4133927.45	49.86495m
(98122724)						
600624.73	4133929.19	49.07764m	(98122724)	600631.71	4133930.93	48.08781m
(98122724)						
600638.70	4133932.67	46.92265m	(98122724)	600645.68	4133934.41	45.61759m
(98122724)						
600652.66	4133936.15	44.19150m	(98122724)	600659.65	4133937.90	42.66856m
(98122724)						
600666.63	4133939.64	41.07039m	(98122724)	600673.62	4133941.38	41.44757m
(99091624)						
600680.60	4133943.12	42.63430m	(99091624)	600687.58	4133944.86	43.58215m
(99091624)						
600694.57	4133946.60	44.28519m	(99091624)	600701.55	4133948.35	44.74626m
(99091624)						
600364.07	4133996.97	48.62143	(00082924)	600359.43	4134002.75	48.53407
(00082924)						
600345.50	4134020.11	47.82611	(00082924)	600340.85	4134025.90	47.45072
(00082924)						
600336.21	4134031.68	47.00944	(00082924)	600331.57	4134037.47	46.49857
(00082924)						
600326.93	4134043.25	45.91863	(00082924)	600322.28	4134049.04	45.26244
(00082924)						
600317.64	4134054.83	44.52992	(00082924)	600313.00	4134060.61	43.72005
(00082924)						
600308.35	4134066.40	42.82269	(00082924)	600303.71	4134072.18	42.67939
(00082124)						
600299.07	4134077.97	42.58770	(00082124)	600350.02	4133976.91	47.56964
(00082924)						
600356.44	4133973.27	47.79834	(00082924)	600362.86	4133969.64	47.91570
(00082924)						
600369.28	4133966.00	47.91493	(00082924)	600375.70	4133962.37	47.78770
(00082924)						

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

A-1481

INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI		IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
(YYMMDDHH)							
600382.13	4133958.74	47.53041	(00082924)	600388.55	4133955.10	47.13296	
(00082924)							
600394.97	4133951.47	46.59096	(00082924)	600401.39	4133947.84	45.89983	
(00082924)							
600407.81	4133944.20	45.05465	(00082924)	600414.24	4133940.57	44.22039m	
(98011024)							
600420.66	4133936.94	44.01860m	(98011024)	600439.92	4133926.03	42.72440m	
(98011024)							
600446.35	4133922.40	42.07331m	(98011024)	600452.77	4133918.77	41.32231m	
(98011024)							
600459.19	4133915.13	40.47232m	(98011024)	600465.61	4133911.50	39.52971m	
(98011024)							
600472.03	4133907.87	38.49854m	(98011024)	600478.46	4133904.23	37.38507m	
(98011024)							
600484.88	4133900.60	37.09956	(99061724)	600491.30	4133896.96	37.91795m	
(98011524)							
600497.72	4133893.33	38.95815m	(98011524)	600504.14	4133889.70	39.90302m	
(98011524)							
600510.57	4133886.06	40.74442m	(98011524)	600516.99	4133882.43	41.46853m	
(98011524)							
600530.57	4133880.58	42.74527m	(98011524)	600537.73	4133882.37	43.24755m	
(98011524)							
600544.89	4133884.15	43.56074m	(98011524)	600552.05	4133885.94	43.67660m	
(98011524)							
600573.53	4133891.29	47.70256m	(98122724)	600580.69	4133893.08	48.67128m	
(98122724)							
600587.85	4133894.86	49.39459m	(98122724)	600595.00	4133896.65	49.91164m	
(98122724)							
600602.16	4133898.43	50.10926m	(98122724)	600609.32	4133900.22	50.03810m	
(98122724)							
600616.48	4133902.01	49.70917m	(98122724)	600623.64	4133903.79	49.13623m	
(98122724)							
600630.80	4133905.58	48.34307m	(98122724)	600637.96	4133907.36	47.35301m	
(98122724)							
600645.12	4133909.15	46.19099m	(98122724)	600652.28	4133910.93	44.88750m	
(98122724)							
600659.44	4133912.72	43.46355m	(98122724)	600666.60	4133914.50	41.94340m	
(98122724)							
600673.76	4133916.29	40.34396m	(98122724)	600680.92	4133918.07	40.11848	
(00011224)							
600688.08	4133919.86	41.11148m	(99091624)	600695.24	4133921.64	42.16180m	
(99091624)							
600702.40	4133923.43	42.98636m	(99091624)	600709.56	4133925.21	43.57969m	
(99091624)							
600716.72	4133927.00	43.94500m	(99091624)	600343.59	4133980.54	47.23239	
(00082924)							
600338.95	4133986.32	46.95955	(00082924)	600334.31	4133992.11	46.61634	
(00082924)							
600320.38	4134009.47	45.18524	(00082924)	600315.74	4134015.25	44.57517	
(00082924)							
600311.09	4134021.04	43.89663	(00082924)	600306.45	4134026.82	43.15206	
(00082924)							
600301.81	4134032.61	42.33525	(00082924)	600297.17	4134038.40	41.55759	
(00082124)							

600292.52 (00082124)	4134044.18	41.62124 (00082124)	600287.88	4134049.97	41.61356
600283.24 (00082124)	4134055.75	41.51801 (00082124)	600278.59	4134061.54	41.32795
600329.47 (00082924)	4133960.52	45.92165 (00082924)	600335.82	4133956.93	46.36763
600342.16 (00082924)	4133953.34	46.71258 (00082924)	600348.51	4133949.75	46.95426
600354.86 (00082924)	4133946.15	47.08566 (00082924)	600361.20	4133942.56	47.10238
600367.55 (00082924)	4133938.97	46.99710 (00082924)	600373.90	4133935.38	46.76634
600380.24 (00082924)	4133931.79	46.40223 (00082924)	600386.59	4133928.20	45.90024
600392.94 (00082924)	4133924.61	45.25580 (00082924)	600399.28	4133921.02	44.46492
600418.32 (98011024)	4133910.24	43.01206m (98011024)	600424.67	4133906.65	42.65672m
600431.02 (98011024)	4133903.06	42.19895m (98011024)	600437.36	4133899.47	41.64312m
600443.71 (98011024)	4133895.88	40.98962m (98011024)	600450.06	4133892.29	40.24463m
600456.40 (98011024)	4133888.70	39.41214m (98011024)	600462.75	4133885.11	38.49632m
600469.10 (98011024)	4133881.51	37.50028m (98011024)	600475.44	4133877.92	36.43330m

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600481.79 (98011524)	4133874.33	35.99455 (99061724)	600488.14	4133870.74	36.76999m
600494.48 (98011524)	4133867.15	37.79583m (98011524)	600500.83	4133863.56	38.67744m
600507.18 (98011524)	4133859.97	39.44349m (98011524)	600513.52	4133856.38	40.12803m
600526.95 (98011524)	4133854.55	41.46978m (98011524)	600534.02	4133856.31	42.07910m
600541.10 (98011524)	4133858.08	42.54627m (98011524)	600548.17	4133859.84	42.83972m
600555.25 (98122724)	4133861.61	42.94984m (98011524)	600562.32	4133863.37	44.44083m
600569.40 (98122724)	4133865.14	45.64296m (98122724)	600583.55	4133868.67	47.45977m
600590.63 (98122724)	4133870.43	48.06206m (98122724)	600597.70	4133872.19	48.52355m
600604.78 (98122724)	4133873.96	48.81589m (98122724)	600611.85	4133875.72	48.86492m
600618.93	4133877.49	48.67748m (98122724)	600626.00	4133879.25	48.24049m

(98122724)						
600633.08	4133881.02	47.61867m	(98122724)	600640.15	4133882.78	46.80631m
(98122724)						
600647.23	4133884.54	45.82849m	(98122724)	600654.31	4133886.31	44.67760m
(98122724)						
600661.38	4133888.07	43.43239m	(98122724)	600668.46	4133889.84	42.08340m
(98122724)						
600675.53	4133891.60	40.64967m	(98122724)	600682.61	4133893.37	39.14475m
(98122724)						
600689.68	4133895.13	39.25879	(00011224)	600696.76	4133896.90	40.12273
(00011224)						
600703.84	4133898.66	40.87927m	(99091624)	600710.91	4133900.42	41.73902m
(99091624)						
600717.99	4133902.19	42.39990m	(99091624)	600725.06	4133903.95	42.85349m
(99091624)						
600732.14	4133905.72	43.10391m	(99091624)	600323.12	4133964.11	45.38119
(00082924)						
600318.48	4133969.90	44.93934	(00082924)	600313.84	4133975.68	44.43311
(00082924)						
600299.91	4133993.04	42.52745	(00082924)	600295.26	4133998.82	41.76631
(00082924)						
600290.62	4134004.61	40.94745	(00082924)	600285.98	4134010.40	40.40321
(00082124)						
600281.34	4134016.18	40.49665	(00082124)	600276.69	4134021.97	40.53426
(00082124)						
600272.05	4134027.75	40.50543	(00082124)	600267.41	4134033.54	40.40137
(00082124)						
600262.76	4134039.32	40.21463	(00082124)	600258.12	4134045.11	39.93454
(00082124)						
600448.80	4134210.23	56.14086m	(98011024)	600439.21	4134221.05	56.10397
(00082924)						
600441.87	4134210.94	55.85832	(00082924)	600429.54	4134232.17	55.56232
(00082924)						
600432.22	4134221.95	55.64113	(00082924)	600434.91	4134211.73	55.55236
(00082924)						
600437.60	4134201.51	55.31650	(00082924)	600419.81	4134243.49	54.50203
(00082924)						
600422.52	4134233.19	54.88059	(00082924)	600425.23	4134222.89	55.11465
(00082924)						
600427.94	4134212.58	55.18109	(00082924)	600430.65	4134202.28	55.08305
(00082924)						
600412.77	4134244.60	53.61691	(00082924)	600415.50	4134234.23	54.13172
(00082924)						
600418.23	4134223.85	54.51134	(00082924)	600420.96	4134213.48	54.73068
(00082924)						
600423.69	4134203.10	54.77924	(00082924)	600426.42	4134192.73	54.67422
(00082924)						
600407.31	4134255.45	52.58535	(00082924)	600405.73	4134245.72	52.65917
(00082924)						
600408.47	4134235.29	53.30400	(00082924)	600411.22	4134224.85	53.82398
(00082924)						
600413.97	4134214.41	54.18985	(00082924)	600416.71	4134203.98	54.38373
(00082924)						
600419.46	4134193.54	54.41191	(00082924)	600398.68	4134246.85	51.61256
(00082924)						
600401.44	4134236.35	52.38755	(00082924)	600404.20	4134225.86	53.04065
(00082924)						
600406.96	4134215.37	53.54699	(00082924)	600409.73	4134204.88	53.88851
(00082924)						
600412.49	4134194.39	54.05530	(00082924)	600415.25	4134183.90	54.06825
(00082924)						

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600387.38 (00082924)	4134238.52	50.24313 (00082924)		600390.16	4134227.94	51.15357
600392.95 (00082924)	4134217.36	51.93337 (00082924)		600395.73	4134206.79	52.55630
600398.51 (00082924)	4134196.21	53.00886 (00082924)		600401.30	4134185.63	53.28894
600404.08 (98011024)	4134175.05	53.41385 (00082924)		600387.22	4134284.31	51.44203m
600381.18 (98011024)	4134275.10	48.83648m (98011024)		600375.14	4134265.89	46.49492m
600376.11 (00082924)	4134230.07	48.79466 (00082924)		600378.91	4134219.42	49.83189
600381.71 (00082924)	4134208.77	50.72787 (00082924)		600384.52	4134198.12	51.46503
600387.32 (00082924)	4134187.48	52.02954 (00082924)		600390.12	4134176.83	52.42054
600392.92 (00123124)	4134166.18	52.65381 (00082924)		600379.29	4134296.01	54.06240m
600373.22 (00123124)	4134286.75	51.53272m (00123124)		600367.15	4134277.50	49.17397m
600361.08 (00123124)	4134268.24	46.84599m (00123124)		600356.41	4134253.63	43.13182m
600364.86 (00082924)	4134221.52	47.21597 (00082924)		600367.68	4134210.82	48.37167
600370.50 (00082924)	4134200.11	49.38158 (00082924)		600373.31	4134189.41	50.22904
600376.13 (00123124)	4134178.70	50.90563 (00082924)		600367.20	4134301.37	55.69635m
600361.36 (00123124)	4134292.46	53.41873m (00123124)		600355.51	4134283.56	51.13871m
600349.67 (00123124)	4134274.65	49.12608m (00123124)		600343.83	4134265.74	47.29130m
600342.26 (00123124)	4134256.13	45.01862m (00123124)		600344.97	4134245.83	42.07634m
600347.68 (00082924)	4134235.53	42.44751 (00082924)		600353.11	4134214.92	45.24039
600355.82 (00082924)	4134204.62	46.47972 (00082924)		600369.37	4134153.10	50.51126
600359.17 (00123124)	4134312.92	58.57650m (00123124)		600353.28	4134303.95	56.52040m
600347.40 (00123124)	4134294.98	54.45356m (00123124)		600341.52	4134286.01	52.45059m
600335.63 (00123124)	4134277.04	50.69898m (00123124)		600329.75	4134268.07	49.02264m
600328.17 (00123124)	4134258.40	46.86635m (00123124)		600330.90	4134248.02	43.94268m
600333.63 (00082124)	4134237.65	41.02503m (00123124)		600336.36	4134227.27	41.23440

600347.28 (00082924)	4134185.77	45.86981 (00082924)	600350.01	4134175.40	46.93860
600352.74 (00082924)	4134165.02	47.85615 (00082924)	600355.47	4134154.65	48.61831
600358.20 (00123124)	4134144.27	49.23127 (00082924)	600351.18	4134324.54	60.75771m
600345.26 (00123124)	4134315.51	59.22090m (00123124)	600339.34	4134306.49	57.36031m
600333.42 (00123124)	4134297.47	55.52868m (00123124)	600327.50	4134288.44	53.75962m
600321.58 (00123124)	4134279.42	52.08668m (00123124)	600315.67	4134270.39	50.31480m
600314.08 (00123124)	4134260.66	48.27553m (00123124)	600316.83	4134250.23	45.65007m
600330.56 (00082124)	4134198.04	42.26517 (00082124)	600333.30	4134187.61	43.06345
600336.05 (00082924)	4134177.17	44.00422 (00082924)	600338.80	4134166.73	45.17257
600341.54 (00082924)	4134156.30	46.19255 (00082924)	600344.29	4134145.86	47.06279
600347.04 (00123124)	4134135.42	47.78569 (00082924)	600343.23	4134336.21	62.62621m
600337.28 (00123124)	4134327.14	61.28832m (00123124)	600331.33	4134318.07	59.62969m
600325.38 (00123124)	4134309.00	57.98677m (00123124)	600319.43	4134299.93	56.37037m
600313.48 (00123124)	4134290.86	54.64247m (00123124)	600307.53	4134281.79	52.85854m
600301.58 (00123124)	4134272.72	51.20105m (00123124)	600308.27	4134231.46	41.85921m
600311.03 (00082124)	4134220.97	39.17430m (00123124)	600313.79	4134210.48	39.72824

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600322.07 (00082124)	4134179.01	42.36872 (00082124)	600324.83	4134168.52	43.12308
600327.59 (00082924)	4134158.03	43.76177 (00082124)	600330.35	4134147.54	44.38559
600333.11 (00082924)	4134137.05	45.35569 (00082924)	600335.87	4134126.56	46.18213
600326.15 (00123124)	4134353.89	65.16683m (00123124)	600320.21	4134344.83	64.12971m
600314.27 (00123124)	4134335.78	62.65193m (00123124)	600308.33	4134326.73	61.24599m
600302.39 (00123124)	4134317.67	59.86629m (00123124)	600296.45	4134308.62	58.27942m
600290.51	4134299.57	56.53894m (00123124)	600284.58	4134290.51	54.89797m

(00123124)						
600274.08	4134267.17	50.91366m	(00123124)	600276.83	4134256.70	48.82408m
(00123124)						
600279.59	4134246.23	46.83807m	(00123124)	600282.34	4134235.76	44.71241m
(00123124)						
600285.10	4134225.29	42.44822m	(00123124)	600287.85	4134214.81	39.90983m
(00123124)						
600290.61	4134204.34	37.33114m	(00123124)	600293.36	4134193.87	37.97243
(00082124)						
600301.63	4134162.46	40.96967	(00082124)	600304.39	4134151.99	41.78618
(00082124)						
600307.14	4134141.52	42.48347	(00082124)	600309.90	4134131.05	43.04426
(00082124)						
600312.65	4134120.57	43.44275	(00082124)	600315.41	4134110.10	43.66730
(00082124)						
600312.02	4134376.07	66.15875m	(00123124)	600306.09	4134367.03	65.20309m
(00123124)						
600300.16	4134357.99	64.22956m	(00123124)	600294.23	4134348.95	63.18984m
(00123124)						
600288.30	4134339.91	62.05745m	(00123124)	600282.37	4134330.87	60.83534m
(00123124)						
600276.44	4134321.83	59.54113m	(00123124)	600270.51	4134312.79	58.16095m
(00123124)						
600258.65	4134294.71	55.52814m	(00123124)	600252.72	4134285.67	54.16472m
(00123124)						
600248.17	4134271.40	51.63290m	(00123124)	600250.92	4134260.94	49.88242m
(00123124)						
600253.67	4134250.49	48.14734m	(00123124)	600256.42	4134240.03	46.41489m
(00123124)						
600259.17	4134229.58	44.52425m	(00123124)	600261.92	4134219.12	42.50432m
(00123124)						
600264.67	4134208.67	40.37105m	(00123124)	600267.43	4134198.21	38.16348m
(00123124)						
600270.18	4134187.75	36.18837	(99070424)	600272.93	4134177.30	36.40984
(00082124)						
600281.18	4134145.93	39.37664	(00082124)	600283.93	4134135.48	40.25278
(00082124)						
600294.94	4134093.65	42.42438	(00082124)	600293.69	4134391.85	65.71529m
(00123124)						
600287.62	4134382.60	64.30888m	(00123124)	600281.56	4134373.35	63.12562m
(00123124)						
600275.49	4134364.10	62.22747m	(00123124)	600269.42	4134354.85	61.26880m
(00123124)						
600263.35	4134345.60	60.23400m	(00123124)	600257.29	4134336.35	59.13433m
(00123124)						
600239.08	4134308.60	55.63449m	(00123124)	600233.02	4134299.35	54.46109m
(00123124)						
600226.95	4134290.10	53.29279m	(00123124)	600222.29	4134275.50	51.27735m
(00123124)						
600225.11	4134264.80	49.91093m	(00123124)	600227.92	4134254.11	48.44162m
(00123124)						
600230.74	4134243.41	47.09371m	(00123124)	600233.55	4134232.71	45.55187m
(00123124)						
600236.37	4134222.01	43.83471m	(00123124)	600239.18	4134211.31	41.97076m
(00123124)						
600242.00	4134200.62	40.00915m	(00123124)	600244.81	4134189.92	37.83062m
(00123124)						
600247.63	4134179.22	35.56478m	(00123124)	600258.89	4134136.43	36.94954
(00082124)						
600261.70	4134125.73	37.97506	(00082124)	600264.52	4134115.03	38.89214
(00082124)						
600267.33	4134104.33	39.68295	(00082124)	600270.15	4134093.63	40.33211
(00082124)						
600272.96	4134082.94	40.82433	(00082124)	600275.78	4134072.24	41.15640

(00082124)
 600279.66 4134414.18 70.53041 (98122824) 600273.61 4134404.96 67.17797
 (98122824)

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600267.56	4134395.73	63.32328	(98122824)	600261.51	4134386.51	61.26749m
(00123124)						
600255.46	4134377.29	60.05536m	(00123124)	600249.41	4134368.07	59.22663m
(00123124)						
600243.36	4134358.85	58.39300m	(00123124)	600237.31	4134349.63	57.50444m
(00123124)						
600225.22	4134331.18	55.60607m	(00123124)	600219.17	4134321.96	54.62678m
(00123124)						
600213.12	4134312.74	53.64074m	(00123124)	600207.07	4134303.52	52.65194m
(00123124)						
600201.02	4134294.30	51.57565m	(00123124)	600196.38	4134279.74	49.95310m
(00123124)						
600199.18	4134269.08	49.07836m	(00123124)	600201.99	4134258.41	48.01238m
(00123124)						
600204.80	4134247.75	47.01732m	(00123124)	600207.60	4134237.08	45.89754m
(00123124)						
600210.41	4134226.42	44.59115m	(00123124)	600221.64	4134183.76	37.53411m
(00123124)						
600224.44	4134173.09	35.46361m	(00123124)	600227.25	4134162.43	33.74291
(99070424)						
600230.06	4134151.76	34.02306	(99070424)	600232.86	4134141.10	34.12262
(99070424)						
600238.48	4134119.77	35.08357	(00082124)	600241.28	4134109.10	36.15566
(00082124)						
600244.09	4134098.44	37.12317	(00082124)	600246.90	4134087.77	37.97131
(00082124)						
600249.70	4134077.11	38.68344	(00082124)	600252.51	4134066.44	39.25313
(00082124)						
600255.32	4134055.78	39.67037	(00082124)	600374.52	4134301.25	55.54771m
(00123124)						
600337.14	4134348.56	64.46692m	(00123124)	600323.13	4134366.30	66.23189m
(00123124)						
600318.45	4134372.22	66.38342m	(00123124)	600309.11	4134384.05	66.47140m
(00123124)						
600304.44	4134389.96	66.51455m	(00123124)	600290.42	4134407.70	70.36611
(98122824)						
600271.73	4134431.36	73.21835	(98122824)	600267.06	4134437.27	73.65654
(98122824)						
600234.35	4134478.67	77.71883	(99102124)	600229.68	4134484.58	78.11608
(99102124)						
600225.01	4134490.49	78.29346	(99102124)	600201.64	4134520.06	81.75953
(00121924)						

600196.97 (00121924)	4134525.98	81.89963 (00121924)	600192.30	4134531.89	82.01994
600187.63 (00121924)	4134537.80	82.07817 (00121924)	600182.95	4134543.72	82.05913
600336.21 (00123124)	4134338.22	63.04872m (00123124)	600331.54	4134344.14	64.00295m
600317.52 (00123124)	4134361.88	65.59931m (00123124)	600303.50	4134379.62	65.69735m
600298.83 (98122824)	4134385.53	65.70034m (00123124)	600289.49	4134397.36	66.57434
600284.81 (98122824)	4134403.27	68.10510 (98122824)	600266.12	4134426.93	71.28960
600261.45 (98122824)	4134432.84	71.70820 (98122824)	600242.76	4134456.50	73.32557
600238.09 (99102124)	4134462.41	74.08252 (99102124)	600233.42	4134468.32	75.00356
600228.75 (99102124)	4134474.24	75.84413 (99102124)	600210.06	4134497.89	77.13898
600205.38 (99102124)	4134503.81	77.70538 (99102124)	600200.71	4134509.72	78.08560
600196.04 (00121924)	4134515.64	78.86796 (00121924)	600191.37	4134521.55	79.76816
600330.61 (00123124)	4134333.79	62.44232m (00123124)	600325.93	4134339.71	63.41702m
600316.59 (00123124)	4134351.53	64.71647m (00123124)	600311.92	4134357.45	64.95948m
600297.90 (00123124)	4134375.19	64.88639m (00123124)	600283.88	4134392.93	64.53645m
600279.21 (98122824)	4134398.84	65.79414 (98122824)	600260.52	4134422.50	69.41520
600255.85 (98122824)	4134428.41	69.88439 (98122824)	600251.18	4134434.33	70.28423
600246.50 (98122824)	4134440.24	70.78322 (98122824)	600241.83	4134446.16	71.17003
600237.16 (99102124)	4134452.07	71.35770 (98122824)	600232.49	4134457.98	71.91174
600227.81 (99102124)	4134463.90	72.94977 (99102124)	600209.12	4134487.55	75.61183

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
 *** 01/05/16
 *** AERMET - VERSION 15181 *** **
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600204.45 (99102124)	4134493.47	75.76842 (99102124)	600199.78	4134499.38	76.11813
600195.11 (00121924)	4134505.29	76.63908 (99102124)	600176.42	4134528.95	77.64761
600171.74 (00082924)	4134534.86	77.14717 (00121924)	600395.09	4134240.66	51.33424
600325.00	4134329.37	61.70942m (00123124)	600310.98	4134347.11	64.05845m

(00123124)						
600306.31	4134353.02	64.29600m	(00123124)	600296.97	4134364.85	64.35798m
(00123124)						
600292.29	4134370.76	64.18150m	(00123124)	600278.28	4134388.50	63.55120m
(00123124)						
600254.92	4134418.07	67.58488	(98122824)	600250.24	4134423.99	68.10386
(98122824)						
600245.57	4134429.90	68.55580	(98122824)	600240.90	4134435.81	68.95965
(98122824)						
600236.23	4134441.73	69.40532	(98122824)	600231.55	4134447.64	69.58189
(98122824)						
600212.86	4134471.30	72.71164	(99102124)	600208.19	4134477.21	73.43780
(99102124)						
600203.52	4134483.12	73.98616	(99102124)	600198.85	4134489.04	74.28499
(99102124)						
600180.16	4134512.69	75.81769	(99102124)	600175.48	4134518.61	75.89066
(99102124)						
600170.81	4134524.52	75.54367	(99102124)	600166.14	4134530.43	74.35024
(00121924)						
600370.79	4134259.89	45.80351	(00082924)	600324.07	4134319.02	59.77004m
(00123124)						
600319.40	4134324.94	60.93211m	(00123124)	600305.38	4134342.68	63.26589m
(00123124)						
600291.36	4134360.42	63.65696m	(00123124)	600286.69	4134366.33	63.46949m
(00123124)						
600272.67	4134384.07	62.54374m	(00123124)	600249.31	4134413.64	65.79861
(98122824)						
600244.64	4134419.56	66.35912	(98122824)	600225.95	4134443.21	67.61677
(98122824)						
600216.60	4134455.04	68.44144	(99102124)	600211.93	4134460.95	69.63756
(99102124)						
600207.26	4134466.87	70.64910	(99102124)	600202.59	4134472.78	71.51390
(99102124)						
600197.91	4134478.70	72.03273	(99102124)	600179.22	4134502.35	74.00464
(99102124)						
600174.55	4134508.26	74.51211	(99102124)	600169.88	4134514.18	74.67062
(99102124)						
600165.21	4134520.09	74.48370	(99102124)	600160.54	4134526.01	73.77435
(99102124)						
600350.24	4134262.86	46.03471m	(00123124)	600312.86	4134310.17	58.40928m
(00123124)						
600298.84	4134327.91	61.28061m	(00123124)	600294.17	4134333.82	61.82576m
(00123124)						
600280.15	4134351.56	62.18750m	(00123124)	600266.14	4134369.30	61.26574m
(00123124)						
600252.12	4134387.05	60.12070m	(00123124)	600238.10	4134404.79	62.30239
(98122824)						
600233.43	4134410.70	62.98640	(98122824)	600228.76	4134416.62	63.27979
(98122824)						
600224.08	4134422.53	63.47335	(98122824)	600219.41	4134428.44	63.65340
(98122824)						
600214.74	4134434.36	63.88316	(98122824)	600210.07	4134440.27	64.02743
(98122824)						
600191.38	4134463.93	66.73930	(99102124)	600186.71	4134469.84	67.54635
(99102124)						
600182.03	4134475.75	68.38986	(99102124)	600177.36	4134481.67	69.25153
(99102124)						
600172.69	4134487.58	69.99915	(99102124)	600168.02	4134493.49	70.94806
(99102124)						
600163.34	4134499.41	71.75651	(99102124)	600158.67	4134505.32	72.30192
(99102124)						
600154.00	4134511.24	72.36252	(99102124)	600149.33	4134517.15	72.04693
(99102124)						
600315.67	4134283.57	53.08448m	(00123124)	600306.32	4134295.40	55.62148m

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(00123124)
600301.65  4134301.31  56.84806m (00123124)  600287.63  4134319.05  59.86450m
(00123124)
600273.62  4134336.79  60.66318m (00123124)  600259.60  4134354.53  60.18258m
(00123124)
600254.93  4134360.45  59.79008m (00123124)  600240.91  4134378.19  58.32160m
(00123124)
600226.89  4134395.93  58.21684 (98122824)  600222.22  4134401.85  58.90480
(98122824)
    
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*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M) (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M) (YYMMDDHH)	Y-COORD (M) (YYMMDDHH)	CONC (YYMMDDHH)
600217.55	4134407.76	59.38168 (98122824)	600203.53	4134425.50	60.25441
(98122824)					
600194.19	4134437.33	60.28225 (98122824)	600189.51	4134443.24	60.30571
(98122824)					
600184.84	4134449.16	60.76379 (99102124)	600180.17	4134455.07	61.83750
(99102124)					
600175.50	4134460.98	62.81668 (99102124)	600170.82	4134466.90	63.89293
(99102124)					
600166.15	4134472.81	65.39107 (99102124)	600161.48	4134478.72	66.75839
(99102124)					
600156.81	4134484.64	67.97643 (99102124)	600152.13	4134490.55	69.02889
(99102124)					
600147.46	4134496.47	69.90377 (99102124)	600142.79	4134502.38	70.27871
(99102124)					
600138.12	4134508.29	70.36554 (99102124)	600299.79	4134280.63	52.73971m
(00123124)					
600295.11	4134286.54	53.83196m (00123124)	600281.10	4134304.28	57.29768m
(00123124)					
600267.08	4134322.02	58.91308m (00123124)	600262.41	4134327.94	59.04069m
(00123124)					
600248.39	4134345.68	58.63547m (00123124)	600234.37	4134363.42	57.39402m
(00123124)					
600229.70	4134369.33	56.90138m (00123124)	600215.68	4134387.07	55.63139m
(00123124)					
600211.01	4134392.99	55.30555 (98122824)	600206.34	4134398.90	55.79290
(98122824)					
600201.67	4134404.82	56.17095 (98122824)	600196.99	4134410.73	56.49671
(98122824)					
600192.32	4134416.64	56.67808 (98122824)	600187.65	4134422.56	56.82155
(98122824)					
600182.98	4134428.47	56.82672 (98122824)	600178.30	4134434.39	56.79511
(98122824)					
600173.63	4134440.30	56.83824 (98122824)	600168.96	4134446.21	57.30259
(99102124)					
600164.29	4134452.13	58.86279 (99102124)	600159.61	4134458.04	60.33074
(99102124)					

600154.94 (99102124)	4134463.95	61.70662 (99102124)	600150.27	4134469.87	63.11022
600145.60 (99102124)	4134475.78	64.53358 (99102124)	600140.92	4134481.70	65.87184
600136.25 (99102124)	4134487.61	67.05917 (99102124)	600131.58	4134493.52	67.98714
600126.91 (00082924)	4134499.44	68.55620 (99102124)	600370.82	4134144.64	50.74001
600342.78 (00123124)	4134180.12	45.26693 (00082924)	600300.73	4134233.35	42.96596m
600296.06 (00123124)	4134239.26	44.65331m (00123124)	600291.39	4134245.17	46.13227m
600286.71 (00123124)	4134251.09	47.49121m (00123124)	600268.02	4134274.74	52.45851m
600263.35 (00123124)	4134280.66	53.61934m (00123124)	600249.33	4134298.40	55.44565m
600244.66 (00123124)	4134304.31	55.70059m (00123124)	600235.32	4134316.14	55.83887m
600230.64 (00123124)	4134322.05	55.74192m (00123124)	600216.63	4134339.79	54.98035m
600211.95 (00123124)	4134345.71	54.63205m (00123124)	600207.28	4134351.62	54.26982m
600193.26 (00123124)	4134369.36	53.07957m (00123124)	600188.59	4134375.28	52.82768m
600183.92 (00123124)	4134381.19	52.38650m (00123124)	600179.25	4134387.10	51.74386m
600174.58 (98122824)	4134393.02	51.00671m (00123124)	600169.90	4134398.93	51.09862
600165.23 (98122824)	4134404.85	51.21393 (98122824)	600160.56	4134410.76	51.42798
600155.89 (98122824)	4134416.67	51.72639 (98122824)	600151.21	4134422.59	52.12609
600146.54 (98122824)	4134428.50	52.53283 (98122824)	600141.87	4134434.41	52.97516
600137.20 (99102124)	4134440.33	53.44143 (98122824)	600132.52	4134446.24	54.27426
600127.85 (99102124)	4134452.16	56.00993 (99102124)	600123.18	4134458.07	57.70665
600118.51 (00082924)	4134463.98	59.44805 (99102124)	600359.61	4134135.78	49.52685
600331.57 (00082124)	4134171.26	43.62277 (00082124)	600308.21	4134200.83	39.57347
600303.54 (00123124)	4134206.75	38.72185 (00082124)	600298.87	4134212.66	38.46359m

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600294.19 4134218.58 40.27258m (00123124) A-1492 600270.83 4134248.14 47.46401m

(00123124)						
600266.16	4134254.06	48.57903m	(00123124)	600261.49	4134259.97	49.72267m
(00123124)						
600256.81	4134265.89	50.82720m	(00123124)	600242.80	4134283.63	53.42823m
(00123124)						
600238.12	4134289.54	53.92662m	(00123124)	600224.11	4134307.28	54.31730m
(00123124)						
600210.09	4134325.02	53.85799m	(00123124)	600205.42	4134330.94	53.59130m
(00123124)						
600200.75	4134336.85	53.16447m	(00123124)	600196.07	4134342.76	52.68768m
(00123124)						
600182.06	4134360.51	51.60879m	(00123124)	600177.38	4134366.42	51.45320m
(00123124)						
600172.71	4134372.33	51.32338m	(00123124)	600168.04	4134378.25	50.90939m
(00123124)						
600163.37	4134384.16	50.09932m	(00123124)	600158.69	4134390.08	49.22989m
(00123124)						
600154.02	4134395.99	48.84802	(98122824)	600149.35	4134401.90	49.02262
(98122824)						
600144.68	4134407.82	49.21424	(98122824)	600140.00	4134413.73	49.72408
(98122824)						
600135.33	4134419.64	50.24678	(98122824)	600130.66	4134425.56	50.74363
(98122824)						
600125.99	4134431.47	51.19629	(98122824)	600121.31	4134437.39	51.60508
(98122824)						
600116.64	4134443.30	52.18017	(98122824)	600111.97	4134449.21	53.82302
(99102124)						
600107.30	4134455.13	55.61316	(99102124)	600102.62	4134461.04	57.24279
(99102124)						
600097.95	4134466.95	58.65955	(99102124)	600093.28	4134472.87	59.85648
(99102124)						
600348.40	4134126.93	48.14529	(00082924)	600320.36	4134162.41	42.95322
(00082124)						
600315.69	4134168.32	42.22573	(00082124)	600311.02	4134174.24	41.42084
(00082124)						
600282.98	4134209.72	39.16407m	(00123124)	600278.31	4134215.63	40.80509m
(00123124)						
600273.64	4134221.55	42.35612m	(00123124)	600268.97	4134227.46	43.74806m
(00123124)						
600240.93	4134262.94	50.08218m	(00123124)	600236.26	4134268.86	50.90853m
(00123124)						
600231.59	4134274.77	51.61580m	(00123124)	600226.92	4134280.68	52.20907m
(00123124)						
600217.57	4134292.51	52.82365m	(00123124)	600212.90	4134298.43	52.85242m
(00123124)						
600203.55	4134310.25	52.66275m	(00123124)	600198.88	4134316.17	52.26408m
(00123124)						
600194.21	4134322.08	51.87331m	(00123124)	600189.54	4134327.99	51.42542m
(00123124)						
600184.86	4134333.91	50.97556m	(00123124)	600170.85	4134351.65	50.00374m
(00123124)						
600166.17	4134357.56	49.93486m	(00123124)	600161.50	4134363.48	49.78090m
(00123124)						
600156.83	4134369.39	49.51576m	(00123124)	600152.16	4134375.30	49.12084m
(00123124)						
600147.48	4134381.22	48.40608m	(00123124)	600142.81	4134387.13	47.54598m
(00123124)						
600138.14	4134393.05	46.95281	(98122824)	600133.47	4134398.96	47.26688
(98122824)						
600128.79	4134404.87	47.65372	(98122824)	600124.12	4134410.79	48.13360
(98122824)						
600119.45	4134416.70	48.62209	(98122824)	600114.78	4134422.62	49.08499
(98122824)						
600110.10	4134428.53	49.57583	(98122824)	600105.43	4134434.44	50.13488

(98122824)	600100.76	4134440.36	50.76909	(98122824)	600096.09	4134446.27	51.74235
(99102124)	600091.42	4134452.18	53.41204	(99102124)	600086.74	4134458.10	54.93577
(99102124)	600082.07	4134464.01	56.33986	(99102124)	600332.47	4134104.74	46.11122
(00082924)	600327.80	4134110.65	45.20285	(00082924)	600323.13	4134116.57	44.18152
(00082924)	600299.77	4134146.13	41.55132	(00082124)	600295.09	4134152.05	40.74499
(00082124)	600290.42	4134157.96	39.86506	(00082124)	600262.39	4134193.45	37.61905m
(00123124)	600257.71	4134199.36	39.04650m	(00123124)	600253.04	4134205.27	40.35967m
(00123124)							

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 *** 01/05/16

*** AERMET - VERSION 15181 ***
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600248.37	4134211.19	41.62852m (00123124)	600243.70	4134217.10	42.82729m
(00123124)					
600220.34	4134246.67	47.35605m (00123124)	600215.66	4134252.58	47.91973m
(00123124)					
600210.99	4134258.50	48.43607m (00123124)	600206.32	4134264.41	48.98442m
(00123124)					
600187.63	4134288.07	49.64108m (00123124)	600182.96	4134293.98	49.37848m
(00123124)					
600178.28	4134299.89	49.07210m (00123124)	600173.61	4134305.81	48.77734m
(00123124)					
600168.94	4134311.72	48.57767m (00123124)	600164.27	4134317.63	48.41242m
(00123124)					
600150.25	4134335.38	47.96440m (00123124)	600145.58	4134341.29	47.83008m
(00123124)					
600140.90	4134347.20	47.61853m (00123124)	600136.23	4134353.12	47.28703m
(00123124)					
600131.56	4134359.03	46.91634m (00123124)	600126.89	4134364.95	46.51642m
(00123124)					
600122.21	4134370.86	46.00158m (00123124)	600117.54	4134376.77	45.38092m
(00123124)					
600112.87	4134382.69	44.66467m (00123124)	600108.20	4134388.60	44.17265
(98122824)					
600103.53	4134394.51	44.63852 (98122824)	600098.85	4134400.43	45.09414
(98122824)					
600094.18	4134406.34	45.53027 (98122824)	600089.51	4134412.26	46.07453
(98122824)					
600084.84	4134418.17	46.69518 (98122824)	600080.16	4134424.08	47.43533
(98122824)					
600075.49	4134430.00	48.16303 (98122824)	600070.82	4134435.91	48.83884
(98122824)					

600066.15 (99102124)	4134441.82	49.29355 (98122824)	600061.47	4134447.74	50.21376
600291.28 (00082124)	4134072.19	42.13060 (00082124)	600286.61	4134078.11	41.89179
600281.93 (00082124)	4134084.02	41.54303 (00082124)	600277.26	4134089.93	41.08142
600253.90 (00082124)	4134119.50	37.28329 (00082124)	600249.23	4134125.42	36.27592
600216.52 (00123124)	4134166.81	34.62062m (00123124)	600211.85	4134172.73	35.82062m
600207.18 (00123124)	4134178.64	37.01326m (00123124)	600202.50	4134184.55	38.17673m
600197.83 (00123124)	4134190.47	39.29556m (00123124)	600193.16	4134196.38	40.34905m
600188.49 (00123124)	4134202.29	41.14772m (00123124)	600183.81	4134208.21	41.85947m
600179.14 (00123124)	4134214.12	42.47457m (00123124)	600174.47	4134220.04	42.99556m
600169.80 (00123124)	4134225.95	43.42527m (00123124)	600165.12	4134231.86	43.76515m
600160.45 (00123124)	4134237.78	44.02551m (00123124)	600155.78	4134243.69	44.21833m
600151.11 (00123124)	4134249.61	44.34673m (00123124)	600146.43	4134255.52	44.42584m
600141.76 (00123124)	4134261.43	44.46791m (00123124)	600137.09	4134267.35	44.48317m
600132.42 (00123124)	4134273.26	44.47985m (00123124)	600127.74	4134279.17	44.47075m
600123.07 (00123124)	4134285.09	44.45944m (00123124)	600109.06	4134302.83	44.38997m
600104.38 (00123124)	4134308.74	44.26916m (00123124)	600099.71	4134314.66	44.05381m
600095.04 (00123124)	4134320.57	43.83099m (00123124)	600090.37	4134326.48	43.64324m
600085.69 (00123124)	4134332.40	43.44114m (00123124)	600081.02	4134338.31	43.31192m
600076.35 (00123124)	4134344.23	43.20106m (00123124)	600071.68	4134350.14	42.95962m
600067.00 (00123124)	4134356.05	42.62905m (00123124)	600062.33	4134361.97	42.17443m
600057.66 (00123124)	4134367.88	41.59922m (00123124)	600052.99	4134373.79	40.88375m
600048.31 (98122824)	4134379.71	41.19887 (98122824)	600043.64	4134385.62	41.87664
600038.97 (98122824)	4134391.54	42.58457 (98122824)	600034.30	4134397.45	43.29594
600029.62 (98122824)	4134403.36	44.00456 (98122824)	600024.95	4134409.28	44.55237
600020.28 (00082124)	4134415.19	44.88217 (98122824)	600270.68	4134055.92	40.80597

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*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3

**

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600266.01 (00082124)	4134061.83	40.47543	(00082124)	600261.34	4134067.75	40.04007
600256.66 (00082124)	4134073.66	39.49731	(00082124)	600233.30	4134103.23	35.38659
600228.63 (99070424)	4134109.14	34.33388	(00082124)	600214.61	4134126.88	33.25573
600209.94 (99070424)	4134132.80	33.04443	(99070424)	600205.27	4134138.71	32.71973
600200.60 (00123124)	4134144.62	32.27938	(99070424)	600195.92	4134150.54	32.96046m
600191.25 (00123124)	4134156.45	33.86622m	(00123124)	600186.58	4134162.37	34.77267m
600181.91 (00123124)	4134168.28	35.70652m	(00123124)	600177.23	4134174.19	36.70527m
600172.56 (00123124)	4134180.11	37.65942m	(00123124)	600167.89	4134186.02	38.55375m
600163.22 (00123124)	4134191.94	39.38086m	(00123124)	600158.54	4134197.85	40.07815m
600153.87 (00123124)	4134203.76	40.58325m	(00123124)	600149.20	4134209.68	41.00957m
600144.53 (00123124)	4134215.59	41.35993m	(00123124)	600139.85	4134221.50	41.64104m
600135.18 (00123124)	4134227.42	41.86228m	(00123124)	600130.51	4134233.33	42.03170m
600125.84 (00123124)	4134239.25	42.16250m	(00123124)	600121.16	4134245.16	42.26077m
600116.49 (00123124)	4134251.07	42.33924m	(00123124)	600111.82	4134256.99	42.40373m
600107.15 (00123124)	4134262.90	42.46194m	(00123124)	600102.48	4134268.81	42.51839m
600088.46 (00123124)	4134286.56	42.70980m	(00123124)	600083.79	4134292.47	42.59789m
600079.11 (00123124)	4134298.38	42.54104m	(00123124)	600074.44	4134304.30	42.50122m
600069.77 (00123124)	4134310.21	42.52022m	(00123124)	600065.10	4134316.12	42.52372m
600060.42 (00123124)	4134322.04	42.57780m	(00123124)	600055.75	4134327.95	42.55606m
600051.08 (00123124)	4134333.87	42.41552m	(00123124)	600046.41	4134339.78	42.17421m
600041.73 (00123124)	4134345.69	41.87094m	(00123124)	600037.06	4134351.61	41.43411m
600032.39 (00123124)	4134357.52	40.85838m	(00123124)	600027.72	4134363.44	40.20238m
600023.04 (98122824)	4134369.35	39.58527	(98122824)	600018.37	4134375.26	40.08195
600013.70 (98122824)	4134381.18	40.66299	(98122824)	600009.03	4134387.09	41.19793
600004.35 (98122824)	4134393.00	41.64365	(98122824)	599999.68	4134398.92	42.03738
600180.65 (00121924)	4134609.15	84.31219	(00121924)	600178.12	4134600.06	83.75535
600173.84 (00121924)	4134611.14	82.53906	(00121924)	600167.67	4134623.27	81.19413
600157.52 (00121924)	4134605.56	78.43522	(00121924)	600159.71	4134594.69	78.27205
600168.46 (00121924)	4134551.18	78.53159	(00121924)	600153.34	4134617.05	78.16022
600150.65	4134607.42	76.97447	(00121924)	600152.87	4134596.42	76.64698

(00121924)	600155.08	4134585.42	76.34055	(00121924)	600163.93	4134541.43	75.37739
(00121924)	600150.32	4134623.18	77.93804	(00121924)	600143.78	4134609.28	75.63570
(00121924)	600146.02	4134598.18	75.14780	(00121924)	600148.25	4134587.08	74.65371
(00121924)	600157.19	4134542.66	73.34145	(00121924)	600147.32	4134638.76	78.33656
(00121924)	600139.95	4134630.72	76.57170	(00121924)	600132.59	4134622.69	74.55476
(00121924)	600129.98	4134613.33	73.34471	(00121924)	600132.13	4134602.64	72.82231
(00121924)	600134.28	4134591.95	72.22385	(00121924)	600136.43	4134581.27	71.70254
(00121924)	600138.58	4134570.58	71.28009	(00121924)	600145.03	4134538.52	69.91523
(99102124)	600147.18	4134527.84	71.45141	(99102124)	600141.38	4134651.13	77.96801
(00121924)	600133.89	4134642.95	76.41100	(00121924)	600126.39	4134634.77	74.33470
(00121924)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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*MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600118.89 (00121924)	4134626.59	72.39041 (00121924)	600116.24	4134617.06	71.17876
600118.43 (00121924)	4134606.19	70.68579 (00121924)	600120.61	4134595.31	70.11853
600122.80 (00121924)	4134584.43	69.48780 (00121924)	600124.99	4134573.56	68.83629
600127.18 (99102124)	4134562.68	68.07564 (00121924)	600133.74	4134530.05	69.76147
600135.93 (00121924)	4134519.17	70.48137 (99102124)	600131.80	4134659.53	76.13623
600124.20 (00121924)	4134651.23	74.84125 (00121924)	600116.59	4134642.93	73.26896
600108.99 (00121924)	4134634.63	71.15744 (00121924)	600102.49	4134620.82	69.17520
600104.71 (00121924)	4134609.78	68.76401 (00121924)	600106.93	4134598.75	68.22679
600109.15 (00121924)	4134587.71	67.57648 (00121924)	600111.37	4134576.68	66.73789
600113.59 (98122924)	4134565.64	65.79215 (00121924)	600115.81	4134554.61	66.02762
600122.47 (99102124)	4134521.51	69.05806 (99102124)	600124.69	4134510.47	69.22156
600126.10 (00121924)	4134672.16	74.96676 (00121924)	600118.41	4134663.76	73.75642

600110.71 (00121924)	4134655.36	72.29213 (00121924)	600103.01	4134646.96	70.43410
600095.32 (00121924)	4134638.57	68.49062 (00121924)	600088.74	4134624.59	67.00697
600090.99 (00121924)	4134613.42	66.98959 (00121924)	600093.24	4134602.25	66.42203
600095.48 (00121924)	4134591.08	65.79736 (00121924)	600097.73	4134579.92	65.04106
600099.97 (98122924)	4134568.75	65.02403 (98122924)	600102.22	4134557.58	65.08683
600104.47 (99102124)	4134546.42	65.93530 (99102124)	600111.21	4134512.91	68.05664
600113.45 (00122924)	4134501.75	67.53779 (99102124)	600199.82	4134741.14	109.53853
600115.09 (00121924)	4134678.99	73.29839 (00121924)	600107.59	4134670.81	71.80081
600100.10 (00121924)	4134662.63	70.18900 (00121924)	600092.60	4134654.45	68.39302
600085.10 (00121924)	4134646.27	66.49141 (00121924)	600077.61	4134638.09	65.37682
600074.95 (00121924)	4134628.56	65.04323 (00121924)	600077.14	4134617.69	65.27822
600079.33 (00121924)	4134606.81	64.84381 (00121924)	600081.52	4134595.93	64.25732
600083.70 (98122924)	4134585.06	63.60239 (98122924)	600085.89	4134574.18	64.21620
600088.08 (99102124)	4134563.30	64.36612 (98122924)	600090.27	4134552.43	64.54951
600092.46 (99102124)	4134541.55	66.29356 (99102124)	600094.64	4134530.67	67.32200
600194.81 (99122824)	4134754.51	109.46735 (00122924)	600113.15	4134695.73	73.13774
600105.57 (00121924)	4134687.46	72.03273 (00121924)	600098.00	4134679.19	70.48860
600090.42 (00121924)	4134670.92	68.75172 (00121924)	600082.84	4134662.65	66.92576
600075.26 (00121924)	4134654.38	65.39390 (00121924)	600067.68	4134646.11	63.99322
600061.20 (00121924)	4134632.34	63.27130 (00121924)	600063.42	4134621.34	63.52051
600065.63 (00121924)	4134610.34	63.32540 (00121924)	600067.84	4134599.34	62.70372
600070.05 (98122924)	4134588.35	62.81503 (98122924)	600072.26	4134577.35	63.56394
600074.48 (99102124)	4134566.35	63.84810 (98122924)	600076.69	4134555.35	63.78148
600078.90 (99102124)	4134544.35	65.56345 (99102124)	600089.96	4134489.36	63.48575
600189.79 (99122824)	4134767.89	109.20046 (00122924)	600103.73	4134704.29	72.04380
600096.08 (00121924)	4134695.94	70.40567 (00121924)	600088.42	4134687.59	69.28022
600080.77 (00121924)	4134679.24	67.72453 (00121924)	600073.12	4134670.89	66.04334
600065.47 (00121924)	4134662.54	64.46610 (00121924)	600057.81	4134654.19	63.10375

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI		IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
(YYMMDDHH)							
600050.16	4134645.84	61.84140	(00121924)	600047.45	4134636.12	61.61423	
(00121924)							
600049.69	4134625.01	61.87711	(00121924)	600051.92	4134613.91	61.85612	
(00121924)							
600054.15	4134602.81	61.30110	(00121924)	600056.39	4134591.70	62.05163	
(98122924)							
600058.62	4134580.60	62.85142	(98122924)	600060.85	4134569.50	63.35885	
(98122924)							
600063.09	4134558.39	63.32397	(98122924)	600078.72	4134480.67	60.65514	
(99102124)							
600174.11	4134777.27	106.85558	(00122924)	600184.78	4134781.27	108.70461	
(00122924)							
600155.71	4134795.65	104.29039	(00122924)	600086.46	4134720.08	70.06383	
(99122824)							
600078.76	4134711.69	67.60380	(00121924)	600071.07	4134703.29	66.50388	
(00121924)							
600063.37	4134694.89	65.37013	(00121924)	600055.68	4134686.50	64.34839	
(00121924)							
600047.98	4134678.10	63.01841	(00121924)	600040.29	4134669.70	61.64199	
(00121924)							
600032.59	4134661.31	60.46373	(00121924)	600024.90	4134652.91	59.30426	
(00121924)							
600022.17	4134643.13	58.83594	(00121924)	600024.42	4134631.97	59.10340	
(00121924)							
600026.66	4134620.80	59.25713	(00121924)	600028.91	4134609.64	59.47637	
(98122924)							
600031.15	4134598.47	60.50476	(98122924)	600042.38	4134542.64	64.12610	
(99102124)							
600044.63	4134531.48	64.42098	(99102124)	600046.88	4134520.31	64.30228	
(99102124)							
600058.10	4134464.49	55.11187	(99102124)	600164.89	4134801.84	106.06888	
(00122924)							
600175.56	4134805.84	107.28867	(00122924)	600146.57	4134820.31	103.50343	
(00122924)							
600139.03	4134812.08	101.83563	(00122924)	600071.17	4134738.03	68.47766	
(99122824)							
600063.63	4134729.81	66.50170	(99122824)	600056.09	4134721.58	64.26495	
(00121924)							
600048.54	4134713.35	63.17214	(00121924)	600041.00	4134705.12	62.14638	
(00121924)							
600033.46	4134696.90	61.25766	(00121924)	600025.92	4134688.67	60.53684	
(00121924)							
600018.38	4134680.44	59.67340	(00121924)	600010.84	4134672.21	58.63012	
(00121924)							
600003.30	4134663.99	57.64891	(00121924)	599996.86	4134650.29	56.54189	
(00121924)							
599999.06	4134639.35	56.60391	(00121924)	600001.26	4134628.41	56.75565	
(00121924)							
600010.07	4134584.64	59.98959	(98122924)	600012.27	4134573.70	60.34951	
(98122924)							
600014.47	4134562.76	60.91518	(99102124)	600016.67	4134551.82	62.05464	
(99102124)							
600018.87	4134540.88	62.61496	(99102124)	600021.07	4134529.94	62.58973	

(99102124)	600023.27	4134518.99	62.23322	(99102124)	600025.47	4134508.05	61.43864
(99102124)	600027.67	4134497.11	60.16223	(99102124)	600038.68	4134442.41	48.21926
(98122824)	600155.67	4134826.42	104.63359	(00122924)	600166.34	4134830.42	105.24498
(00122924)	600137.33	4134844.86	100.15300	(00122924)	600129.75	4134836.59	99.20491
(00122924)	600053.90	4134753.83	66.53424	(99122824)	600046.32	4134745.56	64.59417
(99122824)	600038.73	4134737.28	62.10177	(99122824)	600031.15	4134729.01	60.77998
(00121924)	600023.57	4134720.73	59.77064	(00121924)	600015.98	4134712.46	58.90168
(00121924)	600008.40	4134704.18	58.20648	(00121924)	600000.81	4134695.90	57.66756
(00121924)	599993.23	4134687.63	57.24426	(00121924)	599985.64	4134679.35	56.54558
(00121924)	599978.06	4134671.08	55.84002	(00121924)	599980.44	4134613.28	57.43494
(98122924)	599982.65	4134602.28	58.25697	(98122924)	599984.86	4134591.27	58.70696
(98122924)	599987.08	4134580.27	58.86038	(98122924)	599989.29	4134569.26	59.00031
(99102124)	599991.50	4134558.26	60.15921	(99102124)	599993.72	4134547.25	60.81727
(99102124)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
599995.93	4134536.25	60.91745	(99102124)	599998.14	4134525.24	60.52307
(99102124)						
600018.07	4134426.20	45.75730	(98122824)	600146.46	4134851.00	100.58781
(00122924)						
600157.12	4134855.00	101.19578	(00122924)	600128.10	4134869.42	96.13594
(00122924)						
600120.48	4134861.11	96.51304	(00122924)	600112.85	4134852.79	95.95466
(00122924)						
600036.64	4134769.63	64.52864	(99122824)	600029.02	4134761.32	62.84159
(99122824)						
600021.40	4134753.00	60.53247	(99122824)	600013.78	4134744.69	58.33739
(00121924)						
600006.16	4134736.37	57.35938	(00121924)	599998.54	4134728.06	56.69873
(00121924)						
599990.91	4134719.74	56.01897	(00121924)	599983.29	4134711.42	55.50996
(00121924)						
599975.67	4134703.11	55.13672	(00121924)	599968.05	4134694.79	54.84246
(00121924)						

599960.43 (00121924)	4134686.48	54.57926 (00121924)	599950.75	4134642.20	53.70271
599952.97 (98122924)	4134631.14	54.90475 (98122924)	599955.20	4134620.08	55.85602
599957.42 (98122924)	4134609.03	56.85044 (98122924)	599959.64	4134597.97	57.64847
599961.87 (98122924)	4134586.91	58.11268 (98122924)	599964.09	4134575.85	57.78693
599966.32 (99102124)	4134564.79	58.45446 (99102124)	599968.54	4134553.73	59.02592
599970.77 (99102124)	4134542.68	59.24439 (99102124)	599972.99	4134531.62	58.93954
599975.21 (98122824)	4134520.56	58.27748 (99102124)	599997.46	4134409.98	42.89722
600137.24 (00122924)	4134875.58	95.80907 (00122924)	600147.91	4134879.58	95.72822
600234.60 (00121924)	4134518.59	90.25962 (00121924)	600240.83	4134506.74	88.56977
600368.01 (00123124)	4134352.14	65.36096m (00123124)	600360.52	4134362.73	66.73606m
600246.44 (00121924)	4134527.32	96.36010 (00121924)	600253.92	4134517.34	96.04177
600364.27 (00123124)	4134369.59	68.20213m (00123124)	600373.62	4134358.99	66.92790m
600612.70 (99092324)	4134331.32	82.49254m (98010824)	600644.75	4134278.94	74.42118
600664.13 (00101924)	4134289.94	74.17922 (99092324)	600632.79	4134344.48	81.48430
600622.27 (99092324)	4134338.26	81.26834 (99112624)	600627.53	4134305.73	77.44268
600647.14 (98010824)	4134318.88	76.30406 (99092324)	600619.87	4134318.88	79.61620m
600640.45 (00101924)	4134331.08	78.58723 (00101924)	600629.20	4134325.58	78.44694
600636.62 (99092324)	4134312.42	77.35780 (99092324)	600636.14	4134292.33	75.85087
600646.90 (99092324)	4134298.07	75.73810 (99092324)	600656.23	4134303.81	75.14362
600654.56 (98010824)	4134283.24	74.31056 (99092324)	600589.73	4134278.46	77.58321m
600239.00 (98122624)	4134588.00	104.38389 (00121924)	600255.00	4134594.00	108.95902
600336.00 (00122924)	4134493.00	118.98531 (00121924)	600461.00	4134590.00	120.34154
600456.00 (00122924)	4134597.00	119.13637 (00122924)	600489.00	4134621.00	99.38831
600494.00 (00101024)	4134621.00	98.72818 (00101024)	600498.00	4134619.00	99.42855
600669.00 (98090224)	4134414.00	78.18975 (00011724)	600672.00	4134406.00	79.80628m
600672.00 (98090224)	4134400.00	81.34164m (98090224)	600668.00	4134391.00	82.45272m
600665.00 (98010824)	4134386.00	82.67972m (98090224)	600593.00	4134329.00	85.91205m
600545.00 (00082924)	4134299.00	78.82778 (99112624)	600514.00	4134275.00	77.37552
600562.00 (99112624)	4134215.00	68.09969m (98010824)	600586.00	4134173.00	66.61599
600561.00 (98011024)	4134155.00	58.10810m (98032024)	600496.00	4134236.00	67.17673m
600510.00 (00082924)	4134245.00	73.22305			

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*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE SUMMARY OF MAXIMUM PERIOD (26304 HRS) RESULTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	36.55390 AT (600593.00, 4134329.00,	26.52, 26.52,	0.00) DC
	2ND HIGHEST VALUE IS	35.15771 AT (600612.70, 4134331.32,	26.52, 26.52,	0.00) DC
	3RD HIGHEST VALUE IS	34.88249 AT (600622.27, 4134338.26,	26.52, 26.52,	0.00) DC
	4TH HIGHEST VALUE IS	34.32864 AT (600545.00, 4134299.00,	26.77, 26.77,	0.00) DC
	5TH HIGHEST VALUE IS	34.27485 AT (600632.79, 4134344.48,	26.52, 26.52,	0.00) DC
	6TH HIGHEST VALUE IS	33.31285 AT (600619.87, 4134318.88,	26.52, 26.52,	0.00) DC
	7TH HIGHEST VALUE IS	33.07874 AT (600629.20, 4134325.58,	26.52, 26.52,	0.00) DC
	8TH HIGHEST VALUE IS	32.35756 AT (600640.45, 4134331.08,	26.52, 26.52,	0.00) DC
	9TH HIGHEST VALUE IS	31.03071 AT (600514.00, 4134275.00,	27.02, 27.02,	0.00) DC
	10TH HIGHEST VALUE IS	30.98851 AT (600627.53, 4134305.73,	26.63, 26.63,	0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

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

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE
ALL	HIGH 1ST HIGH VALUE IS	948.69283 ON 99091201:	AT (600246.44, 4134527.32,	26.09, 26.09,
			0.00) DC	

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

ALL HIGH 1ST HIGH VALUE IS 291.78309 ON 00121924: AT (600336.00, 4134493.00, 26.19, 26.19, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

ALL HIGH 1ST HIGH VALUE IS 120.34154 ON 00122924: AT (600461.00, 4134590.00, 28.13, 28.13, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

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


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** Lakes Environmental AERMOD MPI
**
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**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 9.0.0
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 1/5/2016
** FILE: E:\AERMOD\BARTFACILITIES\BARTFACILITIES.ADI
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** AERMOD CONTROL PATHWAY
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CO STARTING

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TITLEONE BART- ALUM ROCK STATION
MODELOPT DFAULT CONC
AVERTIME 1 8 24 PERIOD
POLLUTID Q/CHI
RUNORNOT RUN
ERRORFIL BARTFACILITIES.ERR

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CO FINISHED

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** AERMOD SOURCE PATHWAY
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SO STARTING

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** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
LOCATION CON_ZONE   AREAPOLY   600239.000  4134588.000      25.940
** DESCRSRC TOTAL CONSTRUCTION AREA ID'D ON ALUM ROCK SITE PLAN
** SOURCE PARAMETERS **
SRCPARAM CON_ZONE   0.0000140686   6.800      21      3.400
AREAVERT CON_ZONE   600239.000  4134588.000  600255.000  4134594.000
AREAVERT CON_ZONE   600336.000  4134493.000  600461.000  4134590.000
AREAVERT CON_ZONE   600456.000  4134597.000  600489.000  4134621.000
AREAVERT CON_ZONE   600494.000  4134621.000  600498.000  4134619.000
AREAVERT CON_ZONE   600669.000  4134414.000  600672.000  4134406.000
AREAVERT CON_ZONE   600672.000  4134400.000  600668.000  4134391.000
AREAVERT CON_ZONE   600665.000  4134386.000  600593.000  4134329.000
AREAVERT CON_ZONE   600545.000  4134299.000  600514.000  4134275.000
AREAVERT CON_ZONE   600562.000  4134215.000  600586.000  4134173.000
AREAVERT CON_ZONE   600561.000  4134155.000  600496.000  4134236.000
AREAVERT CON_ZONE   600510.000  4134245.000

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** VARIABLE EMISSIONS TYPE: "BY HOUR-OF-DAY (HROFDY)"
** VARIABLE EMISSION SCENARIO: "WRKHRS"
EMISFACT CON_ZONE   HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT CON_ZONE   HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT CON_ZONE   HROFDY 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT CON_ZONE   HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

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SO FINISHED

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** AERMOD RECEPTOR PATHWAY
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**

RE STARTING

** DESCRREC "FENCEGRD" "RECEPTORS GENERATED FROM FENCELINE GRID"

DISCCART	600272.44	4134683.22	27.55	27.55
DISCCART	600265.29	4134682.89	27.41	27.41
DISCCART	600258.14	4134682.57	27.36	27.36
DISCCART	600274.64	4134690.12	27.53	27.53
DISCCART	600260.95	4134689.50	27.29	27.29
DISCCART	600247.26	4134688.88	27.24	27.24
DISCCART	600291.16	4134700.33	27.76	27.76
DISCCART	600278.23	4134703.89	27.46	27.46
DISCCART	600271.19	4134703.57	27.32	27.32
DISCCART	600264.15	4134703.25	27.18	27.18
DISCCART	600257.11	4134702.93	27.11	27.11
DISCCART	600250.07	4134702.61	27.05	27.05
DISCCART	600243.03	4134702.29	26.99	26.99
DISCCART	600235.99	4134701.97	26.94	26.94
DISCCART	600301.10	4134710.06	27.94	27.94
DISCCART	600295.07	4134714.02	27.72	27.72
DISCCART	600281.85	4134717.65	27.44	27.44
DISCCART	600274.65	4134717.33	27.32	27.32
DISCCART	600267.45	4134717.00	27.20	27.20
DISCCART	600260.25	4134716.67	27.10	27.10
DISCCART	600253.05	4134716.35	27.02	27.02
DISCCART	600245.85	4134716.02	26.95	26.95
DISCCART	600238.65	4134715.69	26.88	26.88
DISCCART	600231.45	4134715.37	26.80	26.80
DISCCART	600224.25	4134715.04	26.71	26.71
DISCCART	600311.24	4134719.66	28.15	28.15
DISCCART	600305.10	4134723.69	27.92	27.92
DISCCART	600298.97	4134727.72	27.70	27.70
DISCCART	600285.50	4134731.42	27.39	27.39
DISCCART	600278.17	4134731.09	27.31	27.31
DISCCART	600270.84	4134730.76	27.22	27.22
DISCCART	600263.50	4134730.42	27.13	27.13
DISCCART	600256.17	4134730.09	27.06	27.06
DISCCART	600248.84	4134729.76	26.98	26.98
DISCCART	600241.50	4134729.43	26.91	26.91
DISCCART	600234.17	4134729.09	26.83	26.83
DISCCART	600226.84	4134728.76	26.71	26.71
DISCCART	600219.51	4134728.43	26.58	26.58
DISCCART	600212.17	4134728.09	26.45	26.45
DISCCART	600321.53	4134729.16	28.37	28.37
DISCCART	600315.30	4134733.25	28.14	28.14
DISCCART	600309.08	4134737.34	27.92	27.92
DISCCART	600302.85	4134741.44	27.73	27.73
DISCCART	600289.17	4134745.19	27.39	27.39
DISCCART	600281.73	4134744.86	27.32	27.32
DISCCART	600274.28	4134744.52	27.24	27.24
DISCCART	600266.83	4134744.18	27.16	27.16
DISCCART	600259.39	4134743.84	27.09	27.09
DISCCART	600251.94	4134743.50	27.01	27.01
DISCCART	600244.50	4134743.17	26.94	26.94
DISCCART	600237.05	4134742.83	26.86	26.86
DISCCART	600229.61	4134742.49	26.76	26.76
DISCCART	600222.16	4134742.15	26.62	26.62
DISCCART	600214.71	4134741.81	26.48	26.48
DISCCART	600207.27	4134741.48	26.34	26.34
DISCCART	600331.95	4134738.57	28.61	28.61
DISCCART	600325.64	4134742.72	28.42	28.42
DISCCART	600319.33	4134746.87	28.23	28.23
DISCCART	600313.02	4134751.01	28.04	28.04
DISCCART	600306.71	4134755.16	27.84	27.84
DISCCART	600292.86	4134758.96	27.43	27.43

DISCCART	600285.32	4134758.62	27.35	27.35
DISCCART	600277.77	4134758.28	27.28	27.28
DISCCART	600270.23	4134757.94	27.20	27.20
DISCCART	600262.69	4134757.60	27.12	27.12
DISCCART	600255.15	4134757.25	27.05	27.05
DISCCART	600247.60	4134756.91	26.97	26.97
DISCCART	600240.06	4134756.57	26.89	26.89
DISCCART	600232.52	4134756.23	26.81	26.81
DISCCART	600224.98	4134755.88	26.71	26.71
DISCCART	600217.43	4134755.54	26.60	26.60
DISCCART	600209.89	4134755.20	26.50	26.50
DISCCART	600202.35	4134754.86	26.39	26.39
DISCCART	600346.05	4134745.57	28.97	28.97
DISCCART	600340.07	4134749.50	28.79	28.79
DISCCART	600334.09	4134753.43	28.62	28.62
DISCCART	600328.11	4134757.36	28.46	28.46
DISCCART	600322.13	4134761.29	28.31	28.31
DISCCART	600316.15	4134765.22	28.13	28.13
DISCCART	600310.17	4134769.15	27.95	27.95
DISCCART	600297.04	4134772.76	27.60	27.60
DISCCART	600289.89	4134772.43	27.45	27.45
DISCCART	600282.74	4134772.11	27.36	27.36
DISCCART	600275.59	4134771.78	27.28	27.28
DISCCART	600268.44	4134771.46	27.19	27.19
DISCCART	600261.29	4134771.14	27.11	27.11
DISCCART	600254.14	4134770.81	27.04	27.04
DISCCART	600246.99	4134770.49	26.96	26.96
DISCCART	600239.84	4134770.16	26.89	26.89
DISCCART	600232.69	4134769.84	26.82	26.82
DISCCART	600225.54	4134769.51	26.74	26.74
DISCCART	600218.39	4134769.19	26.67	26.67
DISCCART	600211.24	4134768.86	26.60	26.60
DISCCART	600204.09	4134768.54	26.53	26.53
DISCCART	600196.94	4134768.21	26.45	26.45
DISCCART	600350.40	4134758.97	28.97	28.97
DISCCART	600344.34	4134762.95	28.80	28.80
DISCCART	600338.28	4134766.94	28.65	28.65
DISCCART	600332.22	4134770.92	28.47	28.47
DISCCART	600326.15	4134774.91	28.31	28.31
DISCCART	600320.09	4134778.89	28.15	28.15
DISCCART	600314.03	4134782.87	28.00	28.00
DISCCART	600300.72	4134786.53	27.76	27.76
DISCCART	600293.47	4134786.20	27.64	27.64
DISCCART	600286.23	4134785.87	27.51	27.51
DISCCART	600278.98	4134785.54	27.39	27.39
DISCCART	600271.74	4134785.21	27.27	27.27
DISCCART	600264.49	4134784.88	27.15	27.15
DISCCART	600257.24	4134784.56	27.07	27.07
DISCCART	600250.00	4134784.23	26.99	26.99
DISCCART	600242.75	4134783.90	26.92	26.92
DISCCART	600235.50	4134783.57	26.85	26.85
DISCCART	600228.26	4134783.24	26.77	26.77
DISCCART	600221.01	4134782.91	26.70	26.70
DISCCART	600213.76	4134782.58	26.63	26.63
DISCCART	600206.52	4134782.25	26.55	26.55
DISCCART	600199.27	4134781.92	26.48	26.48
DISCCART	600192.02	4134781.59	26.40	26.40
DISCCART	600307.59	4134811.84	27.65	27.65
DISCCART	600300.25	4134811.51	27.62	27.62
DISCCART	600292.92	4134811.17	27.58	27.58
DISCCART	600285.58	4134810.84	27.47	27.47
DISCCART	600278.25	4134810.51	27.36	27.36
DISCCART	600270.91	4134810.17	27.25	27.25
DISCCART	600263.58	4134809.84	27.13	27.13

DISCCART	600256.24	4134809.51	27.03	27.03
DISCCART	600248.91	4134809.17	26.92	26.92
DISCCART	600241.57	4134808.84	26.82	26.82
DISCCART	600234.24	4134808.51	26.72	26.72
DISCCART	600226.90	4134808.18	26.64	26.64
DISCCART	600219.57	4134807.84	26.57	26.57
DISCCART	600212.23	4134807.51	26.50	26.50
DISCCART	600204.90	4134807.18	26.43	26.43
DISCCART	600197.56	4134806.84	26.37	26.37
DISCCART	600190.23	4134806.51	26.33	26.33
DISCCART	600182.89	4134806.18	26.28	26.28
DISCCART	600292.25	4134836.14	27.13	27.13
DISCCART	600284.84	4134835.80	27.09	27.09
DISCCART	600277.43	4134835.47	27.05	27.05
DISCCART	600270.03	4134835.13	27.00	27.00
DISCCART	600262.62	4134834.79	26.95	26.95
DISCCART	600255.22	4134834.46	26.85	26.85
DISCCART	600247.81	4134834.12	26.74	26.74
DISCCART	600240.40	4134833.79	26.63	26.63
DISCCART	600233.00	4134833.45	26.52	26.52
DISCCART	600225.59	4134833.11	26.44	26.44
DISCCART	600218.19	4134832.78	26.37	26.37
DISCCART	600210.78	4134832.44	26.29	26.29
DISCCART	600203.37	4134832.10	26.21	26.21
DISCCART	600195.97	4134831.77	26.20	26.20
DISCCART	600188.56	4134831.43	26.19	26.19
DISCCART	600181.15	4134831.10	26.18	26.18
DISCCART	600173.75	4134830.76	26.17	26.17
DISCCART	600269.10	4134860.09	26.44	26.44
DISCCART	600261.64	4134859.75	26.45	26.45
DISCCART	600254.17	4134859.41	26.46	26.46
DISCCART	600246.71	4134859.07	26.46	26.46
DISCCART	600239.24	4134858.73	26.47	26.47
DISCCART	600231.78	4134858.39	26.47	26.47
DISCCART	600224.31	4134858.05	26.40	26.40
DISCCART	600216.85	4134857.71	26.33	26.33
DISCCART	600209.38	4134857.37	26.26	26.26
DISCCART	600201.92	4134857.04	26.19	26.19
DISCCART	600194.45	4134856.70	26.12	26.12
DISCCART	600186.99	4134856.36	26.05	26.05
DISCCART	600179.52	4134856.02	25.98	25.98
DISCCART	600172.05	4134855.68	25.90	25.90
DISCCART	600164.59	4134855.34	25.83	25.83
DISCCART	600253.11	4134884.36	25.95	25.95
DISCCART	600245.60	4134884.02	25.96	25.96
DISCCART	600238.08	4134883.67	25.96	25.96
DISCCART	600230.57	4134883.33	25.97	25.97
DISCCART	600223.06	4134882.99	25.97	25.97
DISCCART	600215.54	4134882.65	25.96	25.96
DISCCART	600208.03	4134882.31	25.96	25.96
DISCCART	600200.51	4134881.97	25.93	25.93
DISCCART	600193.00	4134881.63	25.85	25.85
DISCCART	600185.48	4134881.29	25.78	25.78
DISCCART	600177.97	4134880.94	25.71	25.71
DISCCART	600170.45	4134880.60	25.63	25.63
DISCCART	600162.94	4134880.26	25.56	25.56
DISCCART	600155.42	4134879.92	25.49	25.49
DISCCART	600492.93	4134784.82	29.61	29.61
DISCCART	600497.70	4134778.88	29.54	29.54
DISCCART	600502.46	4134772.94	29.51	29.51
DISCCART	600507.23	4134767.00	29.44	29.44
DISCCART	600511.99	4134761.05	29.20	29.20
DISCCART	600516.76	4134755.11	28.97	28.97
DISCCART	600521.52	4134749.17	28.76	28.76

DISCCART	600526.29	4134743.23	28.57	28.57
DISCCART	600531.05	4134737.29	28.40	28.40
DISCCART	600535.82	4134731.35	28.37	28.37
DISCCART	600540.58	4134725.41	28.35	28.35
DISCCART	600545.35	4134719.47	28.32	28.32
DISCCART	600550.11	4134713.53	28.30	28.30
DISCCART	600554.88	4134707.58	28.27	28.27
DISCCART	600559.64	4134701.64	28.18	28.18
DISCCART	600564.41	4134695.70	28.14	28.14
DISCCART	600569.17	4134689.76	28.15	28.15
DISCCART	600573.93	4134683.82	28.16	28.16
DISCCART	600284.82	4134706.44	27.57	27.57
DISCCART	600298.48	4134750.27	27.59	27.59
DISCCART	600322.29	4134768.74	28.30	28.30
DISCCART	600266.30	4134791.75	27.19	27.19
DISCCART	600272.25	4134796.36	27.31	27.31
DISCCART	600278.20	4134800.98	27.41	27.41
DISCCART	600184.73	4134761.67	26.28	26.28
DISCCART	600202.59	4134775.53	26.51	26.51
DISCCART	600226.40	4134794.01	26.75	26.75
DISCCART	600232.35	4134798.63	26.79	26.79
DISCCART	600256.16	4134817.10	27.01	27.01
DISCCART	600262.11	4134821.72	27.11	27.11
DISCCART	600268.06	4134826.34	27.18	27.18
DISCCART	600255.53	4134443.24	26.47	26.47
DISCCART	600250.53	4134450.24	26.44	26.44
DISCCART	600234.17	4134427.98	26.52	26.52
DISCCART	600229.17	4134434.98	26.56	26.56
DISCCART	600212.81	4134412.72	26.72	26.72
DISCCART	600207.81	4134419.72	26.78	26.78
DISCCART	600295.16	4134734.83	27.51	27.51
DISCCART	600288.21	4134723.54	27.49	27.49
DISCCART	600328.43	4134783.98	28.24	28.24
DISCCART	600304.01	4134795.56	27.84	27.84
DISCCART	600241.49	4134693.91	27.13	27.13
DISCCART	600247.51	4134463.15	26.39	26.39
DISCCART	600312.99	4134805.21	27.79	27.79
DISCCART	600188.40	4134609.36	26.75	26.75
DISCCART	600212.56	4134506.02	26.56	26.56
DISCCART	600215.58	4134493.11	26.70	26.70
DISCCART	600218.60	4134480.19	26.67	26.67
DISCCART	600221.62	4134467.27	26.64	26.64
DISCCART	600224.64	4134454.36	26.60	26.60
DISCCART	600292.05	4134822.44	27.46	27.46
DISCCART	600248.80	4134798.45	26.97	26.97
DISCCART	600156.45	4134639.39	26.69	26.69
DISCCART	600159.47	4134626.47	26.78	26.78
DISCCART	600162.49	4134613.55	26.83	26.83
DISCCART	600165.51	4134600.63	26.86	26.86
DISCCART	600177.60	4134548.94	26.44	26.44
DISCCART	600180.62	4134536.02	26.42	26.42
DISCCART	600183.64	4134523.10	26.48	26.48
DISCCART	600186.66	4134510.18	26.71	26.71
DISCCART	600189.68	4134497.25	26.94	26.94
DISCCART	600192.70	4134484.33	26.97	26.97
DISCCART	600195.73	4134471.41	26.96	26.96
DISCCART	600198.75	4134458.49	26.91	26.91
DISCCART	600201.77	4134445.57	26.85	26.85
DISCCART	600204.79	4134432.64	26.81	26.81
DISCCART	600276.61	4134843.66	26.84	26.84
DISCCART	600494.00	4134792.43	29.56	29.56
DISCCART	600484.25	4134805.17	29.69	29.69
DISCCART	600494.00	4134806.71	29.40	29.40
DISCCART	600484.29	4134819.47	29.46	29.46

DISCCART	600494.00	4134821.00	29.22	29.22
DISCCART	600534.66	4134711.40	28.81	28.81
DISCCART	600542.72	4134708.44	28.63	28.63
DISCCART	600528.07	4134727.24	28.59	28.59
DISCCART	600547.39	4134736.97	27.92	27.92
DISCCART	600539.18	4134738.91	28.19	28.19
DISCCART	600514.54	4134744.72	28.86	28.86
DISCCART	600555.50	4134734.00	27.72	27.72
DISCCART	600553.63	4134749.78	27.86	27.86
DISCCART	600545.11	4134751.79	28.14	28.14
DISCCART	600536.59	4134753.80	28.42	28.42
DISCCART	600528.07	4134755.81	28.68	28.68
DISCCART	600561.89	4134746.78	27.58	27.58
DISCCART	600560.14	4134762.53	27.79	27.79
DISCCART	600551.87	4134764.48	28.06	28.06
DISCCART	600543.61	4134766.43	28.33	28.33
DISCCART	600535.34	4134768.38	28.57	28.57
DISCCART	600527.07	4134770.34	28.80	28.80
DISCCART	600518.80	4134772.29	29.03	29.03
DISCCART	600510.54	4134774.24	29.26	29.26
DISCCART	600568.28	4134759.55	27.63	27.63
DISCCART	600566.41	4134775.34	27.60	27.60
DISCCART	600557.89	4134777.35	27.79	27.79
DISCCART	600549.37	4134779.36	28.03	28.03
DISCCART	600540.85	4134781.37	28.27	28.27
DISCCART	600532.33	4134783.38	28.51	28.51
DISCCART	600523.81	4134785.39	28.74	28.74
DISCCART	600515.30	4134787.40	28.98	28.98
DISCCART	600506.78	4134789.41	29.22	29.22
DISCCART	600574.67	4134772.33	27.54	27.54
DISCCART	600572.90	4134788.09	27.35	27.35
DISCCART	600564.60	4134790.05	27.47	27.47
DISCCART	600556.29	4134792.01	27.69	27.69
DISCCART	600547.99	4134793.97	27.92	27.92
DISCCART	600539.68	4134795.93	28.15	28.15
DISCCART	600531.37	4134797.89	28.40	28.40
DISCCART	600523.07	4134799.85	28.64	28.64
DISCCART	600514.76	4134801.81	28.87	28.87
DISCCART	600506.46	4134803.77	29.09	29.09
DISCCART	600581.05	4134785.11	27.25	27.25
DISCCART	600579.18	4134800.89	27.13	27.13
DISCCART	600570.67	4134802.90	27.30	27.30
DISCCART	600562.15	4134804.91	27.46	27.46
DISCCART	600553.63	4134806.92	27.72	27.72
DISCCART	600545.11	4134808.93	27.98	27.98
DISCCART	600536.59	4134810.95	28.24	28.24
DISCCART	600528.07	4134812.96	28.47	28.47
DISCCART	600519.56	4134814.97	28.68	28.68
DISCCART	600511.04	4134816.98	28.87	28.87
DISCCART	600502.52	4134818.99	29.05	29.05
DISCCART	600587.44	4134797.89	26.95	26.95
DISCCART	600590.97	4134824.36	27.13	27.13
DISCCART	600582.53	4134826.35	27.23	27.23
DISCCART	600574.10	4134828.34	27.31	27.31
DISCCART	600565.67	4134830.33	27.40	27.40
DISCCART	600557.24	4134832.32	27.60	27.60
DISCCART	600548.81	4134834.31	27.83	27.83
DISCCART	600540.38	4134836.30	28.05	28.05
DISCCART	600531.94	4134838.29	28.25	28.25
DISCCART	600523.51	4134840.28	28.36	28.36
DISCCART	600515.08	4134842.27	28.46	28.46
DISCCART	600506.65	4134844.26	28.54	28.54
DISCCART	600599.18	4134821.36	26.94	26.94
DISCCART	600602.58	4134847.87	26.72	26.72

DISCCART	600593.89	4134849.92	26.87	26.87
DISCCART	600585.21	4134851.97	27.02	27.02
DISCCART	600576.52	4134854.02	27.17	27.17
DISCCART	600567.83	4134856.07	27.34	27.34
DISCCART	600559.15	4134858.12	27.51	27.51
DISCCART	600550.46	4134860.17	27.66	27.66
DISCCART	600541.77	4134862.22	27.78	27.78
DISCCART	600533.09	4134864.27	27.88	27.88
DISCCART	600610.92	4134844.84	26.58	26.58
DISCCART	600614.36	4134871.34	26.39	26.39
DISCCART	600605.76	4134873.37	26.57	26.57
DISCCART	600597.17	4134875.40	26.74	26.74
DISCCART	600588.57	4134877.42	26.92	26.92
DISCCART	600579.97	4134879.45	27.09	27.09
DISCCART	600571.38	4134881.48	27.27	27.27
DISCCART	600562.78	4134883.51	27.43	27.43
DISCCART	600554.18	4134885.54	27.44	27.44
DISCCART	600622.66	4134868.32	26.22	26.22
DISCCART	600626.14	4134894.81	26.26	26.26
DISCCART	600617.61	4134896.82	26.41	26.41
DISCCART	600609.09	4134898.83	26.57	26.57
DISCCART	600600.56	4134900.84	26.71	26.71
DISCCART	600592.04	4134902.86	26.83	26.83
DISCCART	600583.51	4134904.87	26.90	26.90
DISCCART	600574.99	4134906.88	26.94	26.94
DISCCART	600634.40	4134891.80	26.13	26.13
DISCCART	600572.59	4134652.25	27.67	27.67
DISCCART	600573.32	4134662.52	27.91	27.91
DISCCART	600578.07	4134656.82	27.79	27.79
DISCCART	600582.82	4134651.13	27.71	27.71
DISCCART	600587.57	4134645.43	27.65	27.65
DISCCART	600592.32	4134639.74	27.53	27.53
DISCCART	600597.07	4134634.04	27.39	27.39
DISCCART	600601.82	4134628.35	27.29	27.29
DISCCART	600606.57	4134622.65	27.23	27.23
DISCCART	600611.32	4134616.96	27.20	27.20
DISCCART	600616.07	4134611.27	27.23	27.23
DISCCART	600620.82	4134605.57	27.27	27.27
DISCCART	600625.57	4134599.88	27.28	27.28
DISCCART	600630.32	4134594.18	27.26	27.26
DISCCART	600635.07	4134588.49	27.26	27.26
DISCCART	600639.82	4134582.79	27.26	27.26
DISCCART	600564.34	4134682.41	28.27	28.27
DISCCART	600554.42	4134690.27	28.28	28.28
DISCCART	600574.06	4134672.79	28.15	28.15
DISCCART	600578.81	4134667.09	28.00	28.00
DISCCART	600583.56	4134661.40	27.89	27.89
DISCCART	600588.31	4134655.70	27.81	27.81
DISCCART	600593.06	4134650.01	27.77	27.77
DISCCART	600597.81	4134644.31	27.68	27.68
DISCCART	600602.56	4134638.62	27.55	27.55
DISCCART	600607.31	4134632.92	27.45	27.45
DISCCART	600612.06	4134627.23	27.40	27.40
DISCCART	600616.81	4134621.54	27.38	27.38
DISCCART	600621.56	4134615.84	27.39	27.39
DISCCART	600626.31	4134610.15	27.37	27.37
DISCCART	600631.06	4134604.45	27.34	27.34
DISCCART	600635.81	4134598.76	27.33	27.33
DISCCART	600640.56	4134593.06	27.33	27.33
DISCCART	600645.31	4134587.37	27.35	27.35
DISCCART	600650.06	4134581.67	27.35	27.35
DISCCART	600654.81	4134575.98	27.33	27.33
DISCCART	600659.56	4134570.29	27.30	27.30
DISCCART	600664.31	4134564.59	27.29	27.29

DISCCART	600669.06	4134558.90	27.30	27.30
DISCCART	600673.81	4134553.20	27.30	27.30
DISCCART	600678.56	4134547.51	27.29	27.29
DISCCART	600683.31	4134541.81	27.28	27.28
DISCCART	600688.06	4134536.12	27.26	27.26
DISCCART	600692.81	4134530.42	27.25	27.25
DISCCART	600697.56	4134524.73	27.26	27.26
DISCCART	600702.31	4134519.04	27.25	27.25
DISCCART	600707.06	4134513.34	27.24	27.24
DISCCART	600711.81	4134507.65	27.23	27.23
DISCCART	600716.56	4134501.95	27.21	27.21
DISCCART	600721.31	4134496.26	27.21	27.21
DISCCART	600579.54	4134677.36	28.17	28.17
DISCCART	600584.29	4134671.67	28.05	28.05
DISCCART	600589.04	4134665.97	27.95	27.95
DISCCART	600593.79	4134660.28	27.88	27.88
DISCCART	600598.54	4134654.58	27.82	27.82
DISCCART	600603.29	4134648.89	27.76	27.76
DISCCART	600608.04	4134643.19	27.67	27.67
DISCCART	600612.79	4134637.50	27.58	27.58
DISCCART	600617.54	4134631.81	27.53	27.53
DISCCART	600622.29	4134626.11	27.52	27.52
DISCCART	600627.04	4134620.42	27.47	27.47
DISCCART	600631.79	4134614.72	27.42	27.42
DISCCART	600636.54	4134609.03	27.39	27.39
DISCCART	600641.29	4134603.33	27.38	27.38
DISCCART	600646.04	4134597.64	27.39	27.39
DISCCART	600650.79	4134591.94	27.41	27.41
DISCCART	600655.54	4134586.25	27.43	27.43
DISCCART	600660.29	4134580.56	27.39	27.39
DISCCART	600665.04	4134574.86	27.36	27.36
DISCCART	600669.79	4134569.17	27.35	27.35
DISCCART	600674.54	4134563.47	27.36	27.36
DISCCART	600679.29	4134557.78	27.39	27.39
DISCCART	600684.04	4134552.08	27.39	27.39
DISCCART	600688.79	4134546.39	27.35	27.35
DISCCART	600693.54	4134540.69	27.33	27.33
DISCCART	600698.29	4134535.00	27.32	27.32
DISCCART	600703.04	4134529.31	27.34	27.34
DISCCART	600707.79	4134523.61	27.35	27.35
DISCCART	600712.54	4134517.92	27.34	27.34
DISCCART	600717.29	4134512.22	27.31	27.31
DISCCART	600722.04	4134506.53	27.29	27.29
DISCCART	600726.79	4134500.83	27.29	27.29
DISCCART	600731.54	4134495.14	27.30	27.30
DISCCART	600736.29	4134489.44	27.29	27.29
DISCCART	600741.04	4134483.75	27.28	27.28
DISCCART	600745.79	4134478.06	27.25	27.25
DISCCART	600580.53	4134696.35	27.97	27.97
DISCCART	600570.05	4134704.64	27.99	27.99
DISCCART	600559.58	4134712.93	28.02	28.02
DISCCART	600590.51	4134686.51	27.97	27.97
DISCCART	600595.26	4134680.82	28.00	28.00
DISCCART	600600.01	4134675.12	28.03	28.03
DISCCART	600604.76	4134669.43	27.97	27.97
DISCCART	600609.51	4134663.73	27.91	27.91
DISCCART	600614.26	4134658.04	27.85	27.85
DISCCART	600619.01	4134652.34	27.80	27.80
DISCCART	600623.76	4134646.65	27.73	27.73
DISCCART	600628.51	4134640.96	27.64	27.64
DISCCART	600633.26	4134635.26	27.56	27.56
DISCCART	600638.01	4134629.57	27.50	27.50
DISCCART	600642.76	4134623.87	27.46	27.46
DISCCART	600647.51	4134618.18	27.44	27.44

DISCCART	600652.26	4134612.48	27.43	27.43
DISCCART	600657.01	4134606.79	27.43	27.43
DISCCART	600661.76	4134601.09	27.43	27.43
DISCCART	600666.51	4134595.40	27.43	27.43
DISCCART	600671.26	4134589.71	27.43	27.43
DISCCART	600676.01	4134584.01	27.43	27.43
DISCCART	600680.76	4134578.32	27.43	27.43
DISCCART	600685.51	4134572.62	27.42	27.42
DISCCART	600690.26	4134566.93	27.41	27.41
DISCCART	600695.01	4134561.23	27.41	27.41
DISCCART	600699.76	4134555.54	27.43	27.43
DISCCART	600704.51	4134549.84	27.41	27.41
DISCCART	600709.26	4134544.15	27.42	27.42
DISCCART	600714.01	4134538.46	27.43	27.43
DISCCART	600718.76	4134532.76	27.43	27.43
DISCCART	600723.51	4134527.07	27.43	27.43
DISCCART	600728.26	4134521.37	27.41	27.41
DISCCART	600733.01	4134515.68	27.39	27.39
DISCCART	600737.76	4134509.98	27.40	27.40
DISCCART	600742.51	4134504.29	27.43	27.43
DISCCART	600747.26	4134498.59	27.43	27.43
DISCCART	600752.01	4134492.90	27.40	27.40
DISCCART	600756.76	4134487.21	27.34	27.34
DISCCART	600591.58	4134705.44	27.76	27.76
DISCCART	600581.27	4134713.60	27.76	27.76
DISCCART	600570.96	4134721.76	27.69	27.69
DISCCART	600601.48	4134695.66	27.85	27.85
DISCCART	600606.23	4134689.97	27.90	27.90
DISCCART	600610.98	4134684.27	27.96	27.96
DISCCART	600615.73	4134678.58	28.02	28.02
DISCCART	600620.48	4134672.88	28.01	28.01
DISCCART	600625.23	4134667.19	27.91	27.91
DISCCART	600629.98	4134661.50	27.79	27.79
DISCCART	600634.73	4134655.80	27.68	27.68
DISCCART	600639.48	4134650.11	27.59	27.59
DISCCART	600644.23	4134644.41	27.52	27.52
DISCCART	600648.98	4134638.72	27.46	27.46
DISCCART	600653.73	4134633.02	27.43	27.43
DISCCART	600658.48	4134627.33	27.43	27.43
DISCCART	600663.23	4134621.63	27.43	27.43
DISCCART	600667.98	4134615.94	27.43	27.43
DISCCART	600672.73	4134610.25	27.43	27.43
DISCCART	600677.48	4134604.55	27.43	27.43
DISCCART	600682.23	4134598.86	27.43	27.43
DISCCART	600686.98	4134593.16	27.39	27.39
DISCCART	600691.73	4134587.47	27.35	27.35
DISCCART	600696.48	4134581.77	27.32	27.32
DISCCART	600701.23	4134576.08	27.31	27.31
DISCCART	600705.98	4134570.38	27.32	27.32
DISCCART	600710.73	4134564.69	27.36	27.36
DISCCART	600715.48	4134559.00	27.41	27.41
DISCCART	600720.23	4134553.30	27.43	27.43
DISCCART	600724.98	4134547.61	27.43	27.43
DISCCART	600729.73	4134541.91	27.43	27.43
DISCCART	600734.48	4134536.22	27.43	27.43
DISCCART	600739.23	4134530.52	27.43	27.43
DISCCART	600743.98	4134524.83	27.42	27.42
DISCCART	600748.73	4134519.13	27.39	27.39
DISCCART	600753.48	4134513.44	27.37	27.37
DISCCART	600758.23	4134507.75	27.37	27.37
DISCCART	600762.98	4134502.05	27.39	27.39
DISCCART	600767.73	4134496.36	27.43	27.43
DISCCART	600601.98	4134715.04	27.65	27.65
DISCCART	600596.25	4134719.57	27.60	27.60

DISCCART	600590.52	4134724.11	27.57	27.57
DISCCART	600584.79	4134728.64	27.53	27.53
DISCCART	600579.07	4134733.17	27.48	27.48
DISCCART	600573.34	4134737.71	27.44	27.44
DISCCART	600567.61	4134742.24	27.48	27.48
DISCCART	600607.70	4134710.51	27.70	27.70
DISCCART	600612.45	4134704.81	27.75	27.75
DISCCART	600617.20	4134699.12	27.81	27.81
DISCCART	600621.95	4134693.42	27.87	27.87
DISCCART	600626.70	4134687.73	27.87	27.87
DISCCART	600631.45	4134682.04	27.83	27.83
DISCCART	600636.20	4134676.34	27.78	27.78
DISCCART	600640.95	4134670.65	27.66	27.66
DISCCART	600645.70	4134664.95	27.56	27.56
DISCCART	600650.45	4134659.26	27.47	27.47
DISCCART	600655.20	4134653.56	27.43	27.43
DISCCART	600659.95	4134647.87	27.43	27.43
DISCCART	600664.70	4134642.17	27.43	27.43
DISCCART	600669.45	4134636.48	27.43	27.43
DISCCART	600674.20	4134630.79	27.43	27.43
DISCCART	600678.95	4134625.09	27.43	27.43
DISCCART	600683.70	4134619.40	27.43	27.43
DISCCART	600688.45	4134613.70	27.38	27.38
DISCCART	600693.20	4134608.01	27.33	27.33
DISCCART	600697.95	4134602.31	27.28	27.28
DISCCART	600702.70	4134596.62	27.23	27.23
DISCCART	600707.45	4134590.92	27.19	27.19
DISCCART	600712.20	4134585.23	27.15	27.15
DISCCART	600716.95	4134579.54	27.20	27.20
DISCCART	600721.70	4134573.84	27.26	27.26
DISCCART	600726.45	4134568.15	27.31	27.31
DISCCART	600731.20	4134562.45	27.37	27.37
DISCCART	600735.95	4134556.76	27.43	27.43
DISCCART	600740.70	4134551.06	27.43	27.43
DISCCART	600745.45	4134545.37	27.41	27.41
DISCCART	600750.20	4134539.67	27.36	27.36
DISCCART	600754.95	4134533.98	27.31	27.31
DISCCART	600759.70	4134528.29	27.26	27.26
DISCCART	600764.45	4134522.59	27.24	27.24
DISCCART	600769.20	4134516.90	27.25	27.25
DISCCART	600773.95	4134511.20	27.28	27.28
DISCCART	600778.70	4134505.51	27.34	27.34
DISCCART	600613.07	4134724.09	27.56	27.56
DISCCART	600607.47	4134728.52	27.51	27.51
DISCCART	600601.87	4134732.96	27.47	27.47
DISCCART	600596.27	4134737.39	27.43	27.43
DISCCART	600590.67	4134741.82	27.44	27.44
DISCCART	600585.08	4134746.25	27.46	27.46
DISCCART	600579.48	4134750.69	27.50	27.50
DISCCART	600573.88	4134755.12	27.55	27.55
DISCCART	600618.67	4134719.66	27.60	27.60
DISCCART	600623.42	4134713.96	27.66	27.66
DISCCART	600628.17	4134708.27	27.66	27.66
DISCCART	600632.92	4134702.57	27.66	27.66
DISCCART	600637.67	4134696.88	27.64	27.64
DISCCART	600642.42	4134691.19	27.60	27.60
DISCCART	600647.17	4134685.49	27.54	27.54
DISCCART	600651.92	4134679.80	27.46	27.46
DISCCART	600656.67	4134674.10	27.43	27.43
DISCCART	600661.42	4134668.41	27.43	27.43
DISCCART	600666.17	4134662.71	27.43	27.43
DISCCART	600670.92	4134657.02	27.43	27.43
DISCCART	600675.67	4134651.32	27.43	27.43
DISCCART	600680.42	4134645.63	27.43	27.43

DISCCART	600685.17	4134639.94	27.41	27.41
DISCCART	600689.92	4134634.24	27.36	27.36
DISCCART	600694.67	4134628.55	27.32	27.32
DISCCART	600699.42	4134622.85	27.27	27.27
DISCCART	600704.17	4134617.16	27.22	27.22
DISCCART	600708.92	4134611.46	27.17	27.17
DISCCART	600713.67	4134605.77	27.12	27.12
DISCCART	600718.42	4134600.07	27.10	27.10
DISCCART	600723.17	4134594.38	27.10	27.10
DISCCART	600727.92	4134588.69	27.12	27.12
DISCCART	600732.67	4134582.99	27.16	27.16
DISCCART	600737.42	4134577.30	27.22	27.22
DISCCART	600742.17	4134571.60	27.28	27.28
DISCCART	600746.92	4134565.91	27.30	27.30
DISCCART	600751.67	4134560.21	27.31	27.31
DISCCART	600756.42	4134554.52	27.30	27.30
DISCCART	600761.17	4134548.82	27.25	27.25
DISCCART	600765.92	4134543.13	27.20	27.20
DISCCART	600770.67	4134537.44	27.15	27.15
DISCCART	600775.42	4134531.74	27.12	27.12
DISCCART	600780.17	4134526.05	27.13	27.13
DISCCART	600784.92	4134520.35	27.19	27.19
DISCCART	600789.67	4134514.66	27.25	27.25
DISCCART	600624.14	4134733.16	27.45	27.45
DISCCART	600618.65	4134737.51	27.43	27.43
DISCCART	600613.15	4134741.87	27.43	27.43
DISCCART	600607.65	4134746.22	27.43	27.43
DISCCART	600602.15	4134750.57	27.43	27.43
DISCCART	600596.66	4134754.92	27.43	27.43
DISCCART	600591.16	4134759.27	27.45	27.45
DISCCART	600585.66	4134763.63	27.50	27.50
DISCCART	600580.16	4134767.98	27.54	27.54
DISCCART	600629.64	4134728.81	27.40	27.40
DISCCART	600634.39	4134723.11	27.39	27.39
DISCCART	600639.14	4134717.42	27.40	27.40
DISCCART	600643.89	4134711.73	27.44	27.44
DISCCART	600648.64	4134706.03	27.48	27.48
DISCCART	600653.39	4134700.34	27.43	27.43
DISCCART	600658.14	4134694.64	27.40	27.40
DISCCART	600662.89	4134688.95	27.39	27.39
DISCCART	600667.64	4134683.25	27.40	27.40
DISCCART	600672.39	4134677.56	27.42	27.42
DISCCART	600677.14	4134671.86	27.43	27.43
DISCCART	600681.89	4134666.17	27.43	27.43
DISCCART	600686.64	4134660.48	27.40	27.40
DISCCART	600691.39	4134654.78	27.35	27.35
DISCCART	600696.14	4134649.09	27.30	27.30
DISCCART	600700.89	4134643.39	27.25	27.25
DISCCART	600705.64	4134637.70	27.20	27.20
DISCCART	600710.39	4134632.00	27.16	27.16
DISCCART	600715.14	4134626.31	27.11	27.11
DISCCART	600719.89	4134620.61	27.06	27.06
DISCCART	600724.64	4134614.92	27.02	27.02
DISCCART	600729.39	4134609.23	27.00	27.00
DISCCART	600734.14	4134603.53	27.01	27.01
DISCCART	600738.89	4134597.84	27.03	27.03
DISCCART	600743.64	4134592.14	27.06	27.06
DISCCART	600748.39	4134586.45	27.07	27.07
DISCCART	600753.14	4134580.75	27.08	27.08
DISCCART	600757.89	4134575.06	27.09	27.09
DISCCART	600762.64	4134569.36	27.10	27.10
DISCCART	600767.39	4134563.67	27.11	27.11
DISCCART	600772.14	4134557.98	27.12	27.12
DISCCART	600776.89	4134552.28	27.09	27.09

DISCCART	600781.64	4134546.59	27.07	27.07
DISCCART	600786.39	4134540.89	27.06	27.06
DISCCART	600791.14	4134535.20	27.07	27.07
DISCCART	600795.89	4134529.50	27.10	27.10
DISCCART	600800.64	4134523.81	27.15	27.15
DISCCART	600635.20	4134742.25	27.19	27.19
DISCCART	600624.37	4134750.82	27.41	27.41
DISCCART	600618.95	4134755.10	27.43	27.43
DISCCART	600613.54	4134759.39	27.43	27.43
DISCCART	600608.13	4134763.68	27.43	27.43
DISCCART	600602.71	4134767.96	27.39	27.39
DISCCART	600591.88	4134776.54	27.24	27.24
DISCCART	600640.61	4134737.96	27.08	27.08
DISCCART	600645.36	4134732.27	27.06	27.06
DISCCART	600650.11	4134726.57	27.08	27.08
DISCCART	600654.86	4134720.88	27.12	27.12
DISCCART	600659.61	4134715.18	27.19	27.19
DISCCART	600664.36	4134709.49	27.26	27.26
DISCCART	600669.11	4134703.79	27.28	27.28
DISCCART	600673.86	4134698.10	27.28	27.28
DISCCART	600678.61	4134692.40	27.29	27.29
DISCCART	600683.36	4134686.71	27.33	27.33
DISCCART	600688.11	4134681.02	27.34	27.34
DISCCART	600692.86	4134675.32	27.33	27.33
DISCCART	600697.61	4134669.63	27.29	27.29
DISCCART	600702.36	4134663.93	27.24	27.24
DISCCART	600707.11	4134658.24	27.19	27.19
DISCCART	600711.86	4134652.54	27.14	27.14
DISCCART	600716.61	4134646.85	27.09	27.09
DISCCART	600721.36	4134641.15	27.04	27.04
DISCCART	600726.11	4134635.46	27.00	27.00
DISCCART	600730.86	4134629.77	26.95	26.95
DISCCART	600735.61	4134624.07	26.90	26.90
DISCCART	600740.36	4134618.38	26.85	26.85
DISCCART	600745.11	4134612.68	26.84	26.84
DISCCART	600749.86	4134606.99	26.85	26.85
DISCCART	600754.61	4134601.29	26.86	26.86
DISCCART	600759.36	4134595.60	26.87	26.87
DISCCART	600764.11	4134589.90	26.88	26.88
DISCCART	600768.86	4134584.21	26.89	26.89
DISCCART	600773.61	4134578.52	26.90	26.90
DISCCART	600778.36	4134572.82	26.94	26.94
DISCCART	600783.11	4134567.13	26.95	26.95
DISCCART	600787.86	4134561.43	26.95	26.95
DISCCART	600792.61	4134555.74	26.93	26.93
DISCCART	600797.36	4134550.04	26.93	26.93
DISCCART	600802.11	4134544.35	26.95	26.95
DISCCART	600806.86	4134538.65	27.00	27.00
DISCCART	600811.61	4134532.96	27.06	27.06
DISCCART	600646.24	4134751.34	26.96	26.96
DISCCART	600635.55	4134759.80	27.18	27.18
DISCCART	600624.86	4134768.27	27.31	27.31
DISCCART	600614.17	4134776.73	27.00	27.00
DISCCART	600603.48	4134785.19	26.86	26.86
DISCCART	600656.33	4134741.42	26.79	26.79
DISCCART	600661.08	4134735.72	26.76	26.76
DISCCART	600665.83	4134730.03	26.82	26.82
DISCCART	600670.58	4134724.33	26.89	26.89
DISCCART	600675.33	4134718.64	26.96	26.96
DISCCART	600680.08	4134712.94	27.03	27.03
DISCCART	600684.83	4134707.25	27.09	27.09
DISCCART	600689.58	4134701.55	27.11	27.11
DISCCART	600694.33	4134695.86	27.12	27.12
DISCCART	600699.08	4134690.17	27.13	27.13

DISCCART	600703.83	4134684.47	27.14	27.14
DISCCART	600708.58	4134678.78	27.15	27.15
DISCCART	600713.33	4134673.08	27.13	27.13
DISCCART	600718.08	4134667.39	27.08	27.08
DISCCART	600722.83	4134661.69	27.03	27.03
DISCCART	600727.58	4134656.00	26.98	26.98
DISCCART	600732.33	4134650.30	26.93	26.93
DISCCART	600737.08	4134644.61	26.88	26.88
DISCCART	600741.83	4134638.92	26.84	26.84
DISCCART	600746.58	4134633.22	26.81	26.81
DISCCART	600751.33	4134627.53	26.77	26.77
DISCCART	600756.08	4134621.83	26.71	26.71
DISCCART	600760.83	4134616.14	26.65	26.65
DISCCART	600765.58	4134610.44	26.66	26.66
DISCCART	600770.33	4134604.75	26.67	26.67
DISCCART	600775.08	4134599.05	26.69	26.69
DISCCART	600779.83	4134593.36	26.75	26.75
DISCCART	600784.58	4134587.67	26.81	26.81
DISCCART	600789.33	4134581.97	26.84	26.84
DISCCART	600794.08	4134576.28	26.85	26.85
DISCCART	600798.83	4134570.58	26.85	26.85
DISCCART	600803.58	4134564.89	26.82	26.82
DISCCART	600808.33	4134559.19	26.82	26.82
DISCCART	600813.08	4134553.50	26.85	26.85
DISCCART	600817.83	4134547.80	26.91	26.91
DISCCART	600822.58	4134542.11	26.97	26.97
DISCCART	600666.16	4134768.34	26.64	26.64
DISCCART	600660.58	4134772.76	26.57	26.57
DISCCART	600655.00	4134777.18	26.48	26.48
DISCCART	600649.41	4134781.60	26.40	26.40
DISCCART	600643.83	4134786.02	26.29	26.29
DISCCART	600638.25	4134790.44	26.15	26.15
DISCCART	600632.67	4134794.85	25.98	25.98
DISCCART	600627.09	4134799.27	25.96	25.96
DISCCART	600621.51	4134803.69	26.10	26.10
DISCCART	600615.93	4134808.11	26.34	26.34
DISCCART	600610.34	4134812.53	26.56	26.56
DISCCART	600604.76	4134816.95	26.76	26.76
DISCCART	600671.74	4134763.93	26.63	26.63
DISCCART	600676.49	4134758.23	26.59	26.59
DISCCART	600681.24	4134752.54	26.54	26.54
DISCCART	600685.99	4134746.84	26.49	26.49
DISCCART	600690.74	4134741.15	26.44	26.44
DISCCART	600695.49	4134735.45	26.41	26.41
DISCCART	600700.24	4134729.76	26.48	26.48
DISCCART	600704.99	4134724.06	26.55	26.55
DISCCART	600709.74	4134718.37	26.62	26.62
DISCCART	600714.49	4134712.68	26.70	26.70
DISCCART	600719.24	4134706.98	26.81	26.81
DISCCART	600723.99	4134701.29	26.86	26.86
DISCCART	600728.74	4134695.59	26.88	26.88
DISCCART	600733.49	4134689.90	26.88	26.88
DISCCART	600738.24	4134684.20	26.86	26.86
DISCCART	600742.99	4134678.51	26.82	26.82
DISCCART	600747.74	4134672.81	26.82	26.82
DISCCART	600752.49	4134667.12	26.82	26.82
DISCCART	600757.24	4134661.43	26.82	26.82
DISCCART	600761.99	4134655.73	26.82	26.82
DISCCART	600766.74	4134650.04	26.82	26.82
DISCCART	600771.49	4134644.34	26.80	26.80
DISCCART	600776.24	4134638.65	26.74	26.74
DISCCART	600780.99	4134632.95	26.69	26.69
DISCCART	600785.74	4134627.26	26.63	26.63
DISCCART	600790.49	4134621.56	26.57	26.57

DISCCART	600795.24	4134615.87	26.52	26.52
DISCCART	600799.99	4134610.18	26.58	26.58
DISCCART	600804.74	4134604.48	26.65	26.65
DISCCART	600809.49	4134598.79	26.72	26.72
DISCCART	600814.24	4134593.09	26.78	26.78
DISCCART	600818.99	4134587.40	26.82	26.82
DISCCART	600823.74	4134581.70	26.82	26.82
DISCCART	600828.49	4134576.01	26.82	26.82
DISCCART	600833.24	4134570.31	26.82	26.82
DISCCART	600837.99	4134564.62	26.82	26.82
DISCCART	600842.74	4134558.93	26.82	26.82
DISCCART	600686.11	4134785.32	26.12	26.12
DISCCART	600680.33	4134789.90	26.05	26.05
DISCCART	600674.55	4134794.48	25.95	25.95
DISCCART	600668.76	4134799.05	25.93	25.93
DISCCART	600662.98	4134803.63	25.98	25.98
DISCCART	600657.19	4134808.21	26.03	26.03
DISCCART	600651.41	4134812.79	26.08	26.08
DISCCART	600645.63	4134817.37	26.17	26.17
DISCCART	600639.84	4134821.95	26.28	26.28
DISCCART	600634.06	4134826.53	26.41	26.41
DISCCART	600628.27	4134831.11	26.42	26.42
DISCCART	600622.49	4134835.69	26.44	26.44
DISCCART	600616.71	4134840.26	26.51	26.51
DISCCART	600691.90	4134780.74	26.18	26.18
DISCCART	600696.65	4134775.05	26.25	26.25
DISCCART	600701.40	4134769.35	26.29	26.29
DISCCART	600706.15	4134763.66	26.28	26.28
DISCCART	600710.90	4134757.96	26.24	26.24
DISCCART	600715.65	4134752.27	26.21	26.21
DISCCART	600720.40	4134746.57	26.21	26.21
DISCCART	600725.15	4134740.88	26.21	26.21
DISCCART	600729.90	4134735.18	26.24	26.24
DISCCART	600734.65	4134729.49	26.35	26.35
DISCCART	600739.40	4134723.80	26.47	26.47
DISCCART	600744.15	4134718.10	26.58	26.58
DISCCART	600748.90	4134712.41	26.65	26.65
DISCCART	600753.65	4134706.71	26.71	26.71
DISCCART	600758.40	4134701.02	26.70	26.70
DISCCART	600763.15	4134695.32	26.69	26.69
DISCCART	600767.90	4134689.63	26.71	26.71
DISCCART	600772.65	4134683.93	26.75	26.75
DISCCART	600777.40	4134678.24	26.81	26.81
DISCCART	600782.15	4134672.55	26.82	26.82
DISCCART	600786.90	4134666.85	26.82	26.82
DISCCART	600791.65	4134661.16	26.82	26.82
DISCCART	600796.40	4134655.46	26.82	26.82
DISCCART	600801.15	4134649.77	26.82	26.82
DISCCART	600805.90	4134644.07	26.80	26.80
DISCCART	600810.65	4134638.38	26.76	26.76
DISCCART	600815.40	4134632.68	26.74	26.74
DISCCART	600820.15	4134626.99	26.74	26.74
DISCCART	600824.90	4134621.30	26.75	26.75
DISCCART	600829.65	4134615.60	26.79	26.79
DISCCART	600834.40	4134609.91	26.82	26.82
DISCCART	600839.15	4134604.21	26.82	26.82
DISCCART	600843.90	4134598.52	26.82	26.82
DISCCART	600848.65	4134592.82	26.82	26.82
DISCCART	600853.40	4134587.13	26.82	26.82
DISCCART	600858.15	4134581.43	26.82	26.82
DISCCART	600862.90	4134575.74	26.82	26.82
DISCCART	600706.47	4134801.98	25.96	25.96
DISCCART	600700.88	4134806.40	26.01	26.01
DISCCART	600695.29	4134810.82	26.05	26.05

DISCCART	600689.71	4134815.25	26.10	26.10
DISCCART	600684.12	4134819.67	26.14	26.14
DISCCART	600678.53	4134824.09	26.19	26.19
DISCCART	600672.95	4134828.51	26.19	26.19
DISCCART	600667.36	4134832.94	26.15	26.15
DISCCART	600661.77	4134837.36	26.10	26.10
DISCCART	600656.18	4134841.78	26.06	26.06
DISCCART	600650.60	4134846.21	26.04	26.04
DISCCART	600645.01	4134850.63	26.05	26.05
DISCCART	600639.42	4134855.05	26.06	26.06
DISCCART	600633.84	4134859.48	26.10	26.10
DISCCART	600628.25	4134863.90	26.16	26.16
DISCCART	600712.06	4134797.55	25.92	25.92
DISCCART	600716.81	4134791.86	25.95	25.95
DISCCART	600721.56	4134786.17	26.01	26.01
DISCCART	600726.31	4134780.47	26.07	26.07
DISCCART	600731.06	4134774.78	26.13	26.13
DISCCART	600735.81	4134769.08	26.19	26.19
DISCCART	600740.56	4134763.39	26.21	26.21
DISCCART	600745.31	4134757.69	26.21	26.21
DISCCART	600750.06	4134752.00	26.21	26.21
DISCCART	600754.81	4134746.30	26.21	26.21
DISCCART	600759.56	4134740.61	26.21	26.21
DISCCART	600764.31	4134734.92	26.23	26.23
DISCCART	600769.06	4134729.22	26.30	26.30
DISCCART	600773.81	4134723.53	26.35	26.35
DISCCART	600778.56	4134717.83	26.44	26.44
DISCCART	600783.31	4134712.14	26.54	26.54
DISCCART	600788.06	4134706.44	26.67	26.67
DISCCART	600792.81	4134700.75	26.74	26.74
DISCCART	600797.56	4134695.05	26.79	26.79
DISCCART	600802.31	4134689.36	26.82	26.82
DISCCART	600807.06	4134683.67	26.85	26.85
DISCCART	600811.81	4134677.97	26.91	26.91
DISCCART	600816.56	4134672.28	26.94	26.94
DISCCART	600821.31	4134666.58	26.95	26.95
DISCCART	600826.06	4134660.89	26.93	26.93
DISCCART	600830.81	4134655.19	26.90	26.90
DISCCART	600835.56	4134649.50	26.85	26.85
DISCCART	600840.31	4134643.80	26.82	26.82
DISCCART	600845.06	4134638.11	26.82	26.82
DISCCART	600849.81	4134632.42	26.82	26.82
DISCCART	600854.56	4134626.72	26.82	26.82
DISCCART	600859.31	4134621.03	26.82	26.82
DISCCART	600864.06	4134615.33	26.82	26.82
DISCCART	600868.81	4134609.64	26.82	26.82
DISCCART	600873.56	4134603.94	26.82	26.82
DISCCART	600878.31	4134598.25	26.82	26.82
DISCCART	600883.06	4134592.55	26.82	26.82
DISCCART	600726.46	4134818.92	26.14	26.14
DISCCART	600720.71	4134823.48	26.18	26.18
DISCCART	600714.95	4134828.03	26.20	26.20
DISCCART	600709.20	4134832.59	26.15	26.15
DISCCART	600703.45	4134837.14	26.10	26.10
DISCCART	600697.69	4134841.70	26.06	26.06
DISCCART	600691.94	4134846.25	26.01	26.01
DISCCART	600686.18	4134850.81	25.97	25.97
DISCCART	600680.43	4134855.36	25.92	25.92
DISCCART	600674.68	4134859.92	25.88	25.88
DISCCART	600668.92	4134864.47	25.87	25.87
DISCCART	600663.17	4134869.03	25.87	25.87
DISCCART	600657.42	4134873.58	25.88	25.88
DISCCART	600651.66	4134878.14	25.92	25.92
DISCCART	600645.91	4134882.69	25.98	25.98

DISCCART	600640.15	4134887.25	26.04	26.04
DISCCART	600732.21	4134814.37	26.09	26.09
DISCCART	600736.96	4134808.67	26.03	26.03
DISCCART	600741.71	4134802.98	25.97	25.97
DISCCART	600746.46	4134797.29	25.92	25.92
DISCCART	600751.21	4134791.59	25.96	25.96
DISCCART	600755.96	4134785.90	26.02	26.02
DISCCART	600760.71	4134780.20	26.07	26.07
DISCCART	600765.46	4134774.51	26.13	26.13
DISCCART	600770.21	4134768.81	26.19	26.19
DISCCART	600774.96	4134763.12	26.23	26.23
DISCCART	600779.71	4134757.42	26.26	26.26
DISCCART	600784.46	4134751.73	26.27	26.27
DISCCART	600789.21	4134746.04	26.26	26.26
DISCCART	600793.96	4134740.34	26.24	26.24
DISCCART	600798.71	4134734.65	26.25	26.25
DISCCART	600803.46	4134728.95	26.37	26.37
DISCCART	600808.21	4134723.26	26.51	26.51
DISCCART	600812.96	4134717.56	26.63	26.63
DISCCART	600817.71	4134711.87	26.74	26.74
DISCCART	600822.46	4134706.17	26.82	26.82
DISCCART	600827.21	4134700.48	26.87	26.87
DISCCART	600831.96	4134694.79	26.94	26.94
DISCCART	600836.71	4134689.09	27.00	27.00
DISCCART	600841.46	4134683.40	27.06	27.06
DISCCART	600846.21	4134677.70	27.11	27.11
DISCCART	600850.96	4134672.01	27.08	27.08
DISCCART	600855.71	4134666.31	27.02	27.02
DISCCART	600860.46	4134660.62	26.97	26.97
DISCCART	600865.21	4134654.92	26.91	26.91
DISCCART	600869.96	4134649.23	26.85	26.85
DISCCART	600874.71	4134643.54	26.82	26.82
DISCCART	600879.46	4134637.84	26.82	26.82
DISCCART	600884.21	4134632.15	26.82	26.82
DISCCART	600888.96	4134626.45	26.82	26.82
DISCCART	600893.71	4134620.76	26.82	26.82
DISCCART	600898.46	4134615.06	26.82	26.82
DISCCART	600903.21	4134609.37	26.82	26.82
DISCCART	600760.53	4134452.73	26.99	26.99
DISCCART	600756.32	4134459.97	27.06	27.06
DISCCART	600752.11	4134467.20	27.13	27.13
DISCCART	600764.13	4134445.11	26.91	26.91
DISCCART	600773.87	4134457.80	27.05	27.05
DISCCART	600769.59	4134465.15	27.11	27.11
DISCCART	600765.32	4134472.50	27.19	27.19
DISCCART	600761.04	4134479.86	27.26	27.26
DISCCART	600777.51	4134450.13	27.03	27.03
DISCCART	600787.42	4134462.53	27.25	27.25
DISCCART	600783.48	4134469.29	27.25	27.25
DISCCART	600779.54	4134476.06	27.27	27.27
DISCCART	600775.61	4134482.83	27.30	27.30
DISCCART	600771.67	4134489.59	27.36	27.36
DISCCART	600790.89	4134455.14	27.26	27.26
DISCCART	600800.76	4134467.61	27.41	27.41
DISCCART	600796.75	4134474.50	27.38	27.38
DISCCART	600792.74	4134481.39	27.38	27.38
DISCCART	600788.73	4134488.28	27.39	27.39
DISCCART	600784.72	4134495.17	27.42	27.42
DISCCART	600804.26	4134460.16	27.43	27.43
DISCCART	600814.10	4134472.68	27.43	27.43
DISCCART	600810.03	4134479.67	27.43	27.43
DISCCART	600805.96	4134486.67	27.43	27.43
DISCCART	600801.89	4134493.67	27.43	27.43
DISCCART	600797.82	4134500.66	27.39	27.39

DISCCART	600793.74	4134507.66	27.32	27.32
DISCCART	600817.64	4134465.18	27.43	27.43
DISCCART	600827.45	4134477.74	27.43	27.43
DISCCART	600823.33	4134484.82	27.43	27.43
DISCCART	600819.20	4134491.91	27.43	27.43
DISCCART	600815.08	4134499.00	27.41	27.41
DISCCART	600810.95	4134506.09	27.33	27.33
DISCCART	600806.83	4134513.18	27.26	27.26
DISCCART	600831.01	4134470.19	27.43	27.43
DISCCART	600840.80	4134482.79	27.39	27.39
DISCCART	600836.63	4134489.96	27.40	27.40
DISCCART	600832.46	4134497.13	27.43	27.43
DISCCART	600828.29	4134504.29	27.35	27.35
DISCCART	600824.12	4134511.46	27.28	27.28
DISCCART	600819.95	4134518.63	27.21	27.21
DISCCART	600815.78	4134525.79	27.13	27.13
DISCCART	600844.39	4134475.21	27.40	27.40
DISCCART	600854.16	4134487.84	27.28	27.28
DISCCART	600849.95	4134495.08	27.27	27.27
DISCCART	600845.74	4134502.31	27.27	27.27
DISCCART	600841.53	4134509.55	27.25	27.25
DISCCART	600837.32	4134516.79	27.21	27.21
DISCCART	600833.11	4134524.02	27.15	27.15
DISCCART	600828.90	4134531.26	27.08	27.08
DISCCART	600857.77	4134480.22	27.32	27.32
DISCCART	600878.73	4134497.08	27.12	27.12
DISCCART	600874.49	4134504.36	27.10	27.10
DISCCART	600870.26	4134511.63	27.09	27.09
DISCCART	600866.03	4134518.91	27.11	27.11
DISCCART	600861.79	4134526.18	27.13	27.13
DISCCART	600857.56	4134533.46	27.06	27.06
DISCCART	600853.32	4134540.74	26.98	26.98
DISCCART	600849.09	4134548.01	26.91	26.91
DISCCART	600882.34	4134489.44	27.15	27.15
DISCCART	600903.30	4134506.31	27.06	27.06
DISCCART	600899.04	4134513.62	26.99	26.99
DISCCART	600894.79	4134520.93	26.89	26.89
DISCCART	600890.54	4134528.24	26.85	26.85
DISCCART	600886.29	4134535.55	26.87	26.87
DISCCART	600882.03	4134542.85	26.87	26.87
DISCCART	600877.78	4134550.16	26.86	26.86
DISCCART	600873.53	4134557.47	26.82	26.82
DISCCART	600869.28	4134564.78	26.82	26.82
DISCCART	600906.92	4134498.66	27.11	27.11
DISCCART	600927.87	4134515.54	27.13	27.13
DISCCART	600923.60	4134522.88	27.13	27.13
DISCCART	600919.33	4134530.21	27.05	27.05
DISCCART	600915.06	4134537.55	26.96	26.96
DISCCART	600910.80	4134544.88	26.89	26.89
DISCCART	600906.53	4134552.21	26.84	26.84
DISCCART	600902.26	4134559.55	26.82	26.82
DISCCART	600897.99	4134566.88	26.82	26.82
DISCCART	600893.73	4134574.22	26.82	26.82
DISCCART	600889.46	4134581.55	26.82	26.82
DISCCART	600931.50	4134507.88	27.13	27.13
DISCCART	600952.44	4134524.77	27.13	27.13
DISCCART	600948.16	4134532.13	27.12	27.12
DISCCART	600943.88	4134539.48	27.09	27.09
DISCCART	600939.60	4134546.84	27.03	27.03
DISCCART	600935.32	4134554.20	26.96	26.96
DISCCART	600931.04	4134561.55	26.89	26.89
DISCCART	600926.76	4134568.91	26.84	26.84
DISCCART	600922.48	4134576.27	26.82	26.82
DISCCART	600918.20	4134583.62	26.82	26.82

DISCCART	600913.92	4134590.98	26.82	26.82
DISCCART	600909.63	4134598.33	26.82	26.82
DISCCART	600956.08	4134517.09	27.13	27.13
DISCCART	600781.09	4134434.66	26.98	26.98
DISCCART	600797.50	4134422.93	27.21	27.21
DISCCART	600795.46	4134434.22	27.26	27.26
DISCCART	600793.41	4134445.50	27.26	27.26
DISCCART	600811.83	4134422.72	27.33	27.33
DISCCART	600809.80	4134433.87	27.41	27.41
DISCCART	600807.78	4134445.01	27.43	27.43
DISCCART	600828.14	4134411.52	27.39	27.39
DISCCART	600826.14	4134422.55	27.40	27.40
DISCCART	600824.14	4134433.59	27.42	27.42
DISCCART	600822.14	4134444.62	27.43	27.43
DISCCART	600820.14	4134455.66	27.43	27.43
DISCCART	600842.44	4134411.47	27.43	27.43
DISCCART	600840.45	4134422.42	27.43	27.43
DISCCART	600838.47	4134433.36	27.43	27.43
DISCCART	600836.48	4134444.30	27.43	27.43
DISCCART	600834.50	4134455.25	27.43	27.43
DISCCART	600843.43	4134400.00	27.43	27.43
DISCCART	600856.73	4134411.43	27.43	27.43
DISCCART	600854.76	4134422.30	27.43	27.43
DISCCART	600852.79	4134433.17	27.43	27.43
DISCCART	600850.82	4134444.04	27.43	27.43
DISCCART	600848.85	4134454.91	27.43	27.43
DISCCART	600846.88	4134465.77	27.43	27.43
DISCCART	600857.71	4134400.00	27.43	27.43
DISCCART	600870.94	4134411.85	27.43	27.43
DISCCART	600868.82	4134423.56	27.43	27.43
DISCCART	600866.69	4134435.26	27.43	27.43
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DISCCART	600895.16	4134423.02	27.43	27.43
DISCCART	600893.11	4134434.37	27.43	27.43
DISCCART	600891.05	4134445.72	27.34	27.34
DISCCART	600888.99	4134457.07	27.25	27.25
DISCCART	600886.93	4134468.42	27.19	27.19
DISCCART	600884.87	4134479.77	27.17	27.17
DISCCART	600898.25	4134400.00	27.43	27.43
DISCCART	600923.50	4134411.54	27.43	27.43
DISCCART	600921.49	4134422.62	27.43	27.43
DISCCART	600919.48	4134433.71	27.43	27.43
DISCCART	600917.47	4134444.79	27.35	27.35
DISCCART	600915.46	4134455.87	27.23	27.23
DISCCART	600913.45	4134466.95	27.13	27.13
DISCCART	600911.44	4134478.04	27.13	27.13
DISCCART	600909.43	4134489.12	27.13	27.13
DISCCART	600924.50	4134400.00	27.43	27.43
DISCCART	600949.71	4134411.76	27.43	27.43
DISCCART	600947.62	4134423.27	27.43	27.43
DISCCART	600945.53	4134434.79	27.43	27.43
DISCCART	600943.44	4134446.30	27.40	27.40
DISCCART	600941.35	4134457.82	27.35	27.35
DISCCART	600939.27	4134469.33	27.27	27.27
DISCCART	600937.18	4134480.85	27.20	27.20
DISCCART	600935.09	4134492.36	27.14	27.14
DISCCART	600950.75	4134400.00	27.43	27.43
DISCCART	600975.98	4134411.64	27.43	27.43
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DISCCART	600971.89	4134434.18	27.43	27.43

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DISCCART	600967.80	4134456.73	27.43	27.43
DISCCART	600965.76	4134468.00	27.42	27.42
DISCCART	600963.71	4134479.27	27.30	27.30
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DISCCART	600869.97	4134390.44	27.43	27.43
DISCCART	600893.37	4134377.03	27.43	27.43
DISCCART	600895.32	4134386.22	27.43	27.43
DISCCART	600917.58	4134367.37	27.43	27.43
DISCCART	600919.55	4134376.69	27.43	27.43
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DISCCART	600743.71	4134229.67	27.46	27.46
DISCCART	600738.18	4134225.28	27.37	27.37
DISCCART	600732.64	4134220.90	27.27	27.27
DISCCART	600727.10	4134216.52	27.17	27.17
DISCCART	600721.56	4134212.13	27.07	27.07
DISCCART	600716.02	4134207.75	26.97	26.97
DISCCART	600710.48	4134203.36	26.89	26.89
DISCCART	600704.94	4134198.98	26.84	26.84
DISCCART	600699.41	4134194.59	26.82	26.82
DISCCART	600758.12	4134222.85	27.40	27.40
DISCCART	600752.58	4134218.47	27.35	27.35
DISCCART	600747.04	4134214.08	27.31	27.31
DISCCART	600741.50	4134209.70	27.24	27.24
DISCCART	600735.97	4134205.31	27.14	27.14
DISCCART	600730.43	4134200.93	27.04	27.04
DISCCART	600724.89	4134196.55	26.94	26.94
DISCCART	600719.35	4134192.16	26.88	26.88
DISCCART	600713.81	4134187.78	26.83	26.83
DISCCART	600708.27	4134183.39	26.82	26.82
DISCCART	600766.99	4134211.65	27.28	27.28
DISCCART	600761.45	4134207.27	27.24	27.24
DISCCART	600755.91	4134202.88	27.19	27.19
DISCCART	600750.37	4134198.50	27.15	27.15
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DISCCART	600739.29	4134189.73	27.09	27.09
DISCCART	600733.76	4134185.34	27.03	27.03
DISCCART	600728.22	4134180.96	26.98	26.98
DISCCART	600722.68	4134176.58	26.92	26.92
DISCCART	600717.14	4134172.19	26.86	26.86
DISCCART	600777.74	4134186.69	27.16	27.16
DISCCART	600772.20	4134182.30	27.13	27.13
DISCCART	600766.66	4134177.92	27.13	27.13
DISCCART	600761.13	4134173.53	27.13	27.13
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DISCCART	600777.42	4134152.95	27.13	27.13
DISCCART	600771.88	4134148.57	27.13	27.13
DISCCART	600766.34	4134144.18	27.13	27.13
DISCCART	600821.41	4134154.29	27.24	27.24
DISCCART	600815.87	4134149.91	27.18	27.18
DISCCART	600810.33	4134145.52	27.15	27.15
DISCCART	600804.79	4134141.14	27.13	27.13
DISCCART	600799.25	4134136.75	27.13	27.13

DISCCART	600793.71	4134132.37	27.13	27.13
DISCCART	600788.17	4134127.99	27.13	27.13
DISCCART	600782.64	4134123.60	27.13	27.13
DISCCART	600777.10	4134119.22	27.13	27.13
DISCCART	600771.56	4134114.83	27.13	27.13
DISCCART	600766.02	4134110.45	27.13	27.13
DISCCART	600854.31	4134146.87	27.37	27.37
DISCCART	600848.78	4134142.48	27.31	27.31
DISCCART	600843.24	4134138.10	27.24	27.24
DISCCART	600837.70	4134133.71	27.17	27.17
DISCCART	600832.16	4134129.33	27.13	27.13
DISCCART	600826.62	4134124.94	27.13	27.13
DISCCART	600821.08	4134120.56	27.13	27.13
DISCCART	600815.55	4134116.17	27.13	27.13
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DISCCART	600793.39	4134098.64	27.13	27.13
DISCCART	600787.85	4134094.25	27.13	27.13
DISCCART	600782.31	4134089.87	27.13	27.13
DISCCART	600689.04	4134187.28	26.82	26.82
DISCCART	600677.86	4134179.88	26.82	26.82
DISCCART	600671.86	4134176.13	26.82	26.82
DISCCART	600665.86	4134172.38	26.82	26.82
DISCCART	600659.86	4134168.63	26.82	26.82
DISCCART	600653.86	4134164.88	26.84	26.84
DISCCART	600647.86	4134161.13	26.88	26.88
DISCCART	600641.86	4134157.38	26.91	26.91
DISCCART	600697.04	4134175.47	26.82	26.82
DISCCART	600691.43	4134171.51	26.82	26.82
DISCCART	600685.43	4134167.76	26.82	26.82
DISCCART	600679.43	4134164.01	26.85	26.85
DISCCART	600673.43	4134160.26	26.89	26.89
DISCCART	600667.43	4134156.51	26.92	26.92
DISCCART	600661.43	4134152.76	26.96	26.96
DISCCART	600655.43	4134149.01	27.00	27.00
DISCCART	600649.43	4134145.26	27.04	27.04
DISCCART	600703.53	4134162.60	26.86	26.86
DISCCART	600693.00	4134155.65	26.93	26.93
DISCCART	600687.00	4134151.90	26.97	26.97
DISCCART	600681.00	4134148.15	27.01	27.01
DISCCART	600675.00	4134144.40	27.05	27.05
DISCCART	600669.00	4134140.65	27.08	27.08
DISCCART	600663.00	4134136.90	27.12	27.12
DISCCART	600657.00	4134133.15	27.13	27.13
DISCCART	600651.00	4134129.40	27.13	27.13
DISCCART	600718.04	4134140.76	27.09	27.09
DISCCART	600706.91	4134133.39	27.13	27.13
DISCCART	600700.91	4134129.64	27.13	27.13
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DISCCART	600688.91	4134122.14	27.13	27.13
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DISCCART	600676.91	4134114.64	27.13	27.13
DISCCART	600670.91	4134110.89	27.13	27.13
DISCCART	600664.91	4134107.14	27.13	27.13
DISCCART	600745.79	4134096.19	27.13	27.13
DISCCART	600755.91	4134103.32	27.13	27.13
DISCCART	600734.74	4134088.87	27.13	27.13
DISCCART	600728.74	4134085.12	27.13	27.13
DISCCART	600722.74	4134081.37	27.13	27.13
DISCCART	600716.74	4134077.62	27.13	27.13
DISCCART	600710.74	4134073.87	27.13	27.13
DISCCART	600704.74	4134070.12	27.13	27.13
DISCCART	600698.74	4134066.37	27.13	27.13

DISCCART	600692.74	4134062.62	27.13	27.13
DISCCART	600760.18	4134074.26	27.13	27.13
DISCCART	600771.25	4134082.06	27.13	27.13
DISCCART	600748.65	4134066.61	27.13	27.13
DISCCART	600742.65	4134062.86	27.13	27.13
DISCCART	600736.65	4134059.11	27.13	27.13
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DISCCART	600724.65	4134051.61	27.13	27.13
DISCCART	600718.65	4134047.86	27.13	27.13
DISCCART	600712.65	4134044.11	27.13	27.13
DISCCART	600706.65	4134040.36	27.14	27.14
DISCCART	600641.60	4134120.86	27.19	27.19
DISCCART	600657.67	4134100.10	27.18	27.18
DISCCART	600684.64	4134054.59	27.13	27.13
DISCCART	600700.71	4134033.83	27.18	27.18
DISCCART	600773.98	4134438.26	26.86	26.86
DISCCART	600592.69	4134142.61	27.07	27.07
DISCCART	600582.69	4134135.41	27.13	27.13
DISCCART	600596.87	4134136.82	27.12	27.12
DISCCART	600586.87	4134129.62	27.13	27.13
DISCCART	600601.04	4134131.02	27.14	27.14
DISCCART	600591.04	4134123.82	27.13	27.13
DISCCART	600605.22	4134125.22	27.17	27.17
DISCCART	600595.22	4134118.02	27.14	27.14
DISCCART	600609.39	4134119.43	27.22	27.22
DISCCART	600599.39	4134112.23	27.18	27.18
DISCCART	600613.56	4134113.63	27.28	27.28
DISCCART	600603.56	4134106.43	27.23	27.23
DISCCART	600622.74	4134111.43	27.38	27.38
DISCCART	600612.74	4134104.23	27.33	27.33
DISCCART	600602.74	4134097.03	27.29	27.29
DISCCART	600661.93	4134161.89	26.87	26.87
DISCCART	600626.91	4134105.64	27.40	27.40
DISCCART	600616.91	4134098.44	27.39	27.39
DISCCART	600606.91	4134091.24	27.35	27.35
DISCCART	600663.03	4134144.54	27.05	27.05
DISCCART	600631.08	4134099.84	27.37	27.37
DISCCART	600621.08	4134092.64	27.42	27.42
DISCCART	600611.08	4134085.44	27.40	27.40
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DISCCART	600615.26	4134079.64	27.42	27.42
DISCCART	600654.25	4134106.83	27.13	27.13
DISCCART	600660.80	4134116.82	27.13	27.13
DISCCART	600667.35	4134126.81	27.13	27.13
DISCCART	600682.81	4134157.68	26.91	26.91
DISCCART	600678.27	4134187.20	26.82	26.82
DISCCART	600629.43	4134081.05	27.42	27.42
DISCCART	600619.43	4134073.85	27.43	27.43
DISCCART	600665.61	4134099.82	27.17	27.17
DISCCART	600684.85	4134129.18	27.13	27.13
DISCCART	600691.27	4134138.96	27.10	27.10
DISCCART	600690.57	4134195.01	26.82	26.82
DISCCART	600637.78	4134069.45	27.43	27.43
DISCCART	600627.78	4134062.25	27.43	27.43
DISCCART	600677.96	4134094.35	27.15	27.15
DISCCART	600684.70	4134104.62	27.13	27.13
DISCCART	600691.44	4134114.90	27.13	27.13
DISCCART	600708.28	4134140.58	27.09	27.09
DISCCART	600710.71	4134151.79	26.97	26.97
DISCCART	600707.91	4134170.00	26.82	26.82
DISCCART	600702.30	4134206.43	26.89	26.89
DISCCART	600702.49	4134107.43	27.13	27.13

DISCCART	600709.09	4134117.50	27.13	27.13
DISCCART	600715.70	4134127.58	27.13	27.13
DISCCART	600724.69	4134148.64	27.05	27.05
DISCCART	600722.86	4134160.54	26.96	26.96
DISCCART	600654.47	4134046.27	27.42	27.42
DISCCART	600644.47	4134039.07	27.43	27.43
DISCCART	600697.32	4134075.22	27.13	27.13
DISCCART	600733.07	4134129.74	27.13	27.13
DISCCART	600738.66	4134145.51	27.11	27.11
DISCCART	600735.96	4134163.09	27.06	27.06
DISCCART	600734.16	4134174.81	27.04	27.04
DISCCART	600731.45	4134192.38	27.01	27.01
DISCCART	600667.82	4134038.27	27.32	27.32
DISCCART	600657.82	4134031.07	27.41	27.41
DISCCART	600689.53	4134039.02	27.19	27.19
DISCCART	600696.27	4134049.29	27.13	27.13
DISCCART	600703.01	4134059.57	27.13	27.13
DISCCART	600723.21	4134090.39	27.13	27.13
DISCCART	600752.59	4134142.70	27.13	27.13
DISCCART	600750.72	4134154.84	27.13	27.13
DISCCART	600747.92	4134173.05	27.13	27.13
DISCCART	600746.05	4134185.20	27.13	27.13
DISCCART	600671.17	4134023.08	27.39	27.39
DISCCART	600661.17	4134015.88	27.43	27.43
DISCCART	600697.83	4134027.35	27.23	27.23
DISCCART	600717.73	4134057.70	27.13	27.13
DISCCART	600724.37	4134067.82	27.13	27.13
DISCCART	600731.00	4134077.94	27.13	27.13
DISCCART	600747.58	4134103.24	27.13	27.13
DISCCART	600754.22	4134113.36	27.13	27.13
DISCCART	600764.73	4134151.53	27.13	27.13
DISCCART	600762.89	4134163.49	27.13	27.13
DISCCART	600760.13	4134181.43	27.13	27.13
DISCCART	600758.29	4134193.39	27.13	27.13
DISCCART	600755.53	4134211.33	27.28	27.28
DISCCART	600679.51	4134011.49	27.43	27.43
DISCCART	600669.51	4134004.29	27.43	27.43
DISCCART	600706.14	4134015.69	27.20	27.20
DISCCART	600712.68	4134025.68	27.13	27.13
DISCCART	600719.23	4134035.67	27.13	27.13
DISCCART	600742.15	4134070.63	27.13	27.13
DISCCART	600748.70	4134080.62	27.13	27.13
DISCCART	600755.25	4134090.61	27.13	27.13
DISCCART	600776.00	4134165.98	27.13	27.13
DISCCART	600771.46	4134195.49	27.13	27.13
DISCCART	600687.86	4133999.89	27.41	27.41
DISCCART	600677.86	4133992.69	27.43	27.43
DISCCART	600721.49	4133994.41	27.35	27.35
DISCCART	600728.08	4134004.46	27.25	27.25
DISCCART	600734.66	4134014.50	27.15	27.15
DISCCART	600741.25	4134024.55	27.13	27.13
DISCCART	600747.83	4134034.59	27.13	27.13
DISCCART	600754.42	4134044.64	27.13	27.13
DISCCART	600761.00	4134054.68	27.13	27.13
DISCCART	600767.59	4134064.72	27.13	27.13
DISCCART	600774.17	4134074.77	27.13	27.13
DISCCART	600797.22	4134109.93	27.13	27.13
DISCCART	600803.81	4134119.97	27.13	27.13
DISCCART	600806.18	4134130.93	27.13	27.13
DISCCART	600703.20	4133978.59	27.43	27.43
DISCCART	600693.20	4133971.39	27.43	27.43
DISCCART	600736.84	4133973.13	27.43	27.43
DISCCART	600743.46	4133983.22	27.43	27.43
DISCCART	600750.07	4133993.31	27.36	27.36

DISCCART	600756.69	4134003.40	27.26	27.26
DISCCART	600763.30	4134013.49	27.16	27.16
DISCCART	600769.92	4134023.58	27.13	27.13
DISCCART	600776.53	4134033.67	27.14	27.14
DISCCART	600783.14	4134043.76	27.14	27.14
DISCCART	600789.76	4134053.84	27.13	27.13
DISCCART	600796.37	4134063.93	27.13	27.13
DISCCART	600802.99	4134074.02	27.13	27.13
DISCCART	600809.60	4134084.11	27.13	27.13
DISCCART	600816.21	4134094.20	27.13	27.13
DISCCART	600822.83	4134104.29	27.13	27.13
DISCCART	600829.44	4134114.38	27.13	27.13
DISCCART	600830.00	4134137.31	27.13	27.13
DISCCART	600828.16	4134149.23	27.24	27.24
DISCCART	600708.54	4133950.09	27.43	27.43
DISCCART	600752.19	4133951.85	27.43	27.43
DISCCART	600758.83	4133961.97	27.43	27.43
DISCCART	600765.47	4133972.10	27.43	27.43
DISCCART	600772.11	4133982.22	27.43	27.43
DISCCART	600778.75	4133992.35	27.38	27.38
DISCCART	600785.38	4134002.47	27.34	27.34
DISCCART	600792.02	4134012.60	27.33	27.33
DISCCART	600798.66	4134022.72	27.33	27.33
DISCCART	600805.30	4134032.85	27.28	27.28
DISCCART	600811.94	4134042.98	27.24	27.24
DISCCART	600818.57	4134053.10	27.25	27.25
DISCCART	600825.21	4134063.23	27.23	27.23
DISCCART	600831.85	4134073.35	27.16	27.16
DISCCART	600838.49	4134083.48	27.17	27.17
DISCCART	600845.13	4134093.60	27.18	27.18
DISCCART	600851.76	4134103.73	27.14	27.14
DISCCART	600857.48	4134119.84	27.24	27.24
DISCCART	600855.64	4134131.80	27.32	27.32
DISCCART	600723.87	4133928.78	27.43	27.43
DISCCART	600767.54	4133930.56	27.43	27.43
DISCCART	600774.20	4133940.72	27.43	27.43
DISCCART	600780.86	4133950.87	27.43	27.43
DISCCART	600787.52	4133961.03	27.43	27.43
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DISCCART	600807.49	4133991.49	27.43	27.43
DISCCART	600814.15	4134001.65	27.43	27.43
DISCCART	600820.80	4134011.80	27.43	27.43
DISCCART	600827.46	4134021.96	27.42	27.42
DISCCART	600834.12	4134032.12	27.43	27.43
DISCCART	600840.78	4134042.27	27.43	27.43
DISCCART	600847.44	4134052.43	27.40	27.40
DISCCART	600854.09	4134062.58	27.38	27.38
DISCCART	600860.75	4134072.74	27.41	27.41
DISCCART	600867.41	4134082.89	27.38	27.38
DISCCART	600874.07	4134093.05	27.32	27.32
DISCCART	600880.73	4134103.20	27.32	27.32
DISCCART	600883.13	4134114.28	27.36	27.36
DISCCART	600881.28	4134126.29	27.39	27.39
DISCCART	600739.21	4133907.48	27.43	27.43
DISCCART	600570.85	4134130.11	27.13	27.13
DISCCART	600562.60	4134121.21	27.13	27.13
DISCCART	600575.45	4134124.42	27.13	27.13
DISCCART	600561.38	4134114.07	27.15	27.15
DISCCART	600573.71	4134117.15	27.13	27.13
DISCCART	600547.81	4134109.11	27.28	27.28
DISCCART	600568.64	4134109.04	27.13	27.13
DISCCART	600583.02	4134112.63	27.13	27.13
DISCCART	600534.86	4134108.81	27.42	27.42

DISCCART	600541.01	4134105.33	27.35	27.35
DISCCART	600547.15	4134101.86	27.29	27.29
DISCCART	600560.14	4134100.09	27.16	27.16
DISCCART	600566.99	4134101.79	27.13	27.13
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DISCCART	600587.54	4134106.92	27.13	27.13
DISCCART	600507.15	4134130.81	27.43	27.43
DISCCART	600502.50	4134136.59	27.44	27.44
DISCCART	600497.86	4134142.38	27.49	27.49
DISCCART	600493.22	4134148.16	27.53	27.53
DISCCART	600488.58	4134153.95	27.58	27.58
DISCCART	600483.93	4134159.74	27.63	27.63
DISCCART	600479.29	4134165.52	27.67	27.67
DISCCART	600474.65	4134171.31	27.67	27.67
DISCCART	600470.00	4134177.09	27.61	27.61
DISCCART	600465.36	4134182.88	27.53	27.53
DISCCART	600460.72	4134188.66	27.48	27.48
DISCCART	600456.08	4134194.45	27.44	27.44
DISCCART	600451.43	4134200.24	27.43	27.43
DISCCART	600528.63	4134104.71	27.43	27.43
DISCCART	600534.56	4134101.36	27.42	27.42
DISCCART	600546.41	4134094.65	27.30	27.30
DISCCART	600558.94	4134092.95	27.17	27.17
DISCCART	600572.14	4134096.24	27.16	27.16
DISCCART	600585.35	4134099.54	27.18	27.18
DISCCART	600501.58	4134126.34	27.45	27.45
DISCCART	600496.93	4134132.12	27.50	27.50
DISCCART	600492.29	4134137.91	27.54	27.54
DISCCART	600487.65	4134143.69	27.59	27.59
DISCCART	600483.00	4134149.48	27.64	27.64
DISCCART	600478.36	4134155.27	27.68	27.68
DISCCART	600473.72	4134161.05	27.73	27.73
DISCCART	600469.08	4134166.84	27.69	27.69
DISCCART	600464.43	4134172.62	27.60	27.60
DISCCART	600459.79	4134178.41	27.53	27.53
DISCCART	600455.15	4134184.19	27.48	27.48
DISCCART	600450.50	4134189.98	27.45	27.45
DISCCART	600445.86	4134195.77	27.43	27.43
DISCCART	600522.57	4134100.52	27.43	27.43
DISCCART	600534.09	4134094.00	27.42	27.42
DISCCART	600545.61	4134087.48	27.31	27.31
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DISCCART	600583.47	4134092.23	27.22	27.22
DISCCART	600496.01	4134121.87	27.50	27.50
DISCCART	600491.36	4134127.65	27.55	27.55
DISCCART	600486.72	4134133.44	27.60	27.60
DISCCART	600482.08	4134139.22	27.65	27.65
DISCCART	600477.43	4134145.01	27.69	27.69
DISCCART	600472.79	4134150.80	27.73	27.73
DISCCART	600468.15	4134156.58	27.70	27.70
DISCCART	600463.51	4134162.37	27.65	27.65
DISCCART	600458.86	4134168.15	27.58	27.58
DISCCART	600454.22	4134173.94	27.52	27.52
DISCCART	600449.58	4134179.72	27.47	27.47
DISCCART	600444.93	4134185.51	27.44	27.44
DISCCART	600440.29	4134191.30	27.43	27.43
DISCCART	600512.39	4134098.66	27.43	27.43
DISCCART	600525.06	4134091.49	27.43	27.43
DISCCART	600537.73	4134084.32	27.39	27.39
DISCCART	600544.07	4134080.73	27.32	27.32
DISCCART	600564.53	4134080.67	27.14	27.14
DISCCART	600578.66	4134084.19	27.24	27.24

DISCCART	600592.78	4134087.71	27.32	27.32
DISCCART	600599.85	4134089.48	27.33	27.33
DISCCART	600490.43	4134117.40	27.56	27.56
DISCCART	600485.79	4134123.18	27.61	27.61
DISCCART	600481.15	4134128.97	27.66	27.66
DISCCART	600476.51	4134134.75	27.70	27.70
DISCCART	600471.86	4134140.54	27.73	27.73
DISCCART	600467.22	4134146.32	27.72	27.72
DISCCART	600462.58	4134152.11	27.68	27.68
DISCCART	600457.93	4134157.90	27.63	27.63
DISCCART	600453.29	4134163.68	27.55	27.55
DISCCART	600448.65	4134169.47	27.48	27.48
DISCCART	600444.01	4134175.25	27.44	27.44
DISCCART	600439.36	4134181.04	27.43	27.43
DISCCART	600434.72	4134186.82	27.43	27.43
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DISCCART	600512.58	4134090.93	27.43	27.43
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DISCCART	600524.87	4134083.97	27.43	27.43
DISCCART	600531.01	4134080.50	27.43	27.43
DISCCART	600537.15	4134077.02	27.39	27.39
DISCCART	600543.30	4134073.54	27.33	27.33
DISCCART	600556.29	4134071.78	27.20	27.20
DISCCART	600563.14	4134073.48	27.13	27.13
DISCCART	600569.99	4134075.19	27.20	27.20
DISCCART	600576.84	4134076.90	27.26	27.26
DISCCART	600583.69	4134078.61	27.32	27.32
DISCCART	600590.54	4134080.32	27.37	27.37
DISCCART	600597.39	4134082.02	27.38	27.38
DISCCART	600604.23	4134083.73	27.39	27.39
DISCCART	600484.86	4134112.93	27.62	27.62
DISCCART	600480.22	4134118.71	27.67	27.67
DISCCART	600475.58	4134124.50	27.71	27.71
DISCCART	600470.93	4134130.28	27.74	27.74
DISCCART	600466.29	4134136.07	27.74	27.74
DISCCART	600461.65	4134141.85	27.72	27.72
DISCCART	600457.01	4134147.64	27.68	27.68
DISCCART	600452.36	4134153.43	27.62	27.62
DISCCART	600447.72	4134159.21	27.54	27.54
DISCCART	600443.08	4134165.00	27.45	27.45
DISCCART	600438.43	4134170.78	27.43	27.43
DISCCART	600433.79	4134176.57	27.43	27.43
DISCCART	600429.15	4134182.35	27.43	27.43
DISCCART	600500.56	4134090.11	27.44	27.44
DISCCART	600512.54	4134083.33	27.43	27.43
DISCCART	600524.52	4134076.55	27.43	27.43
DISCCART	600536.50	4134069.77	27.40	27.40
DISCCART	600555.16	4134064.66	27.21	27.21
DISCCART	600568.51	4134067.99	27.18	27.18
DISCCART	600575.19	4134069.65	27.25	27.25
DISCCART	600588.55	4134072.98	27.38	27.38
DISCCART	600595.22	4134074.65	27.43	27.43
DISCCART	600608.58	4134077.98	27.42	27.42
DISCCART	600479.29	4134108.46	27.67	27.67
DISCCART	600474.65	4134114.24	27.72	27.72
DISCCART	600470.01	4134120.03	27.74	27.74
DISCCART	600465.36	4134125.81	27.74	27.74
DISCCART	600460.72	4134131.60	27.74	27.74
DISCCART	600456.08	4134137.38	27.73	27.73
DISCCART	600451.44	4134143.17	27.69	27.69
DISCCART	600446.79	4134148.96	27.63	27.63
DISCCART	600442.15	4134154.74	27.55	27.55
DISCCART	600437.51	4134160.53	27.48	27.48
DISCCART	600432.86	4134166.31	27.43	27.43

DISCCART	600428.22	4134172.10	27.43	27.43
DISCCART	600423.58	4134177.88	27.43	27.43
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DISCCART	600528.16	4134066.86	27.43	27.43
DISCCART	600541.06	4134059.56	27.35	27.35
DISCCART	600554.71	4134057.71	27.21	27.21
DISCCART	600561.90	4134059.50	27.14	27.14
DISCCART	600583.47	4134064.88	27.33	27.33
DISCCART	600605.05	4134070.26	27.43	27.43
DISCCART	600612.24	4134072.05	27.43	27.43
DISCCART	600473.72	4134103.98	27.71	27.71
DISCCART	600469.08	4134109.77	27.74	27.74
DISCCART	600464.44	4134115.56	27.74	27.74
DISCCART	600459.79	4134121.34	27.74	27.74
DISCCART	600455.15	4134127.13	27.74	27.74
DISCCART	600450.51	4134132.91	27.74	27.74
DISCCART	600445.86	4134138.70	27.72	27.72
DISCCART	600441.22	4134144.48	27.64	27.64
DISCCART	600436.58	4134150.27	27.56	27.56
DISCCART	600431.94	4134156.06	27.50	27.50
DISCCART	600427.29	4134161.84	27.45	27.45
DISCCART	600422.65	4134167.63	27.43	27.43
DISCCART	600418.01	4134173.41	27.43	27.43
DISCCART	600484.15	4134076.52	27.43	27.43
DISCCART	600490.30	4134073.04	27.43	27.43
DISCCART	600496.44	4134069.57	27.43	27.43
DISCCART	600502.58	4134066.09	27.43	27.43
DISCCART	600508.73	4134062.62	27.43	27.43
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DISCCART	600521.01	4134055.66	27.43	27.43
DISCCART	600527.16	4134052.19	27.43	27.43
DISCCART	600533.30	4134048.71	27.43	27.43
DISCCART	600539.44	4134045.23	27.37	27.37
DISCCART	600552.44	4134043.47	27.24	27.24
DISCCART	600559.29	4134045.17	27.17	27.17
DISCCART	600566.14	4134046.88	27.16	27.16
DISCCART	600572.98	4134048.59	27.23	27.23
DISCCART	600579.83	4134050.30	27.30	27.30
DISCCART	600586.68	4134052.01	27.37	27.37
DISCCART	600593.53	4134053.71	27.43	27.43
DISCCART	600600.38	4134055.42	27.43	27.43
DISCCART	600607.23	4134057.13	27.43	27.43
DISCCART	600614.08	4134058.84	27.43	27.43
DISCCART	600620.93	4134060.55	27.43	27.43
DISCCART	600462.58	4134095.04	27.62	27.62
DISCCART	600457.94	4134100.83	27.68	27.68
DISCCART	600453.29	4134106.62	27.74	27.74
DISCCART	600448.65	4134112.40	27.74	27.74
DISCCART	600444.01	4134118.19	27.74	27.74
DISCCART	600439.37	4134123.97	27.70	27.70
DISCCART	600434.72	4134129.76	27.65	27.65
DISCCART	600430.08	4134135.54	27.60	27.60
DISCCART	600425.44	4134141.33	27.54	27.54
DISCCART	600420.79	4134147.12	27.48	27.48
DISCCART	600416.15	4134152.90	27.45	27.45
DISCCART	600411.51	4134158.69	27.43	27.43
DISCCART	600406.87	4134164.47	27.43	27.43
DISCCART	600467.10	4134070.92	27.43	27.43
DISCCART	600473.48	4134067.31	27.43	27.43
DISCCART	600479.86	4134063.70	27.43	27.43
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DISCCART	600492.62	4134056.48	27.43	27.43
DISCCART	600499.00	4134052.87	27.43	27.43

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DISCCART	600511.76	4134045.65	27.43	27.43
DISCCART	600518.14	4134042.04	27.43	27.43
DISCCART	600524.52	4134038.43	27.43	27.43
DISCCART	600530.90	4134034.82	27.43	27.43
DISCCART	600537.28	4134031.21	27.39	27.39
DISCCART	600550.77	4134029.38	27.25	27.25
DISCCART	600557.89	4134031.15	27.18	27.18
DISCCART	600565.00	4134032.92	27.15	27.15
DISCCART	600572.11	4134034.70	27.22	27.22
DISCCART	600579.22	4134036.47	27.29	27.29
DISCCART	600586.34	4134038.24	27.36	27.36
DISCCART	600593.45	4134040.02	27.43	27.43
DISCCART	600446.79	4134091.89	27.59	27.59
DISCCART	600442.15	4134097.67	27.64	27.64
DISCCART	600437.51	4134103.46	27.65	27.65
DISCCART	600432.87	4134109.25	27.63	27.63
DISCCART	600428.22	4134115.03	27.58	27.58
DISCCART	600423.58	4134120.82	27.54	27.54
DISCCART	600418.94	4134126.60	27.49	27.49
DISCCART	600414.29	4134132.39	27.44	27.44
DISCCART	600409.65	4134138.17	27.43	27.43
DISCCART	600405.01	4134143.96	27.43	27.43
DISCCART	600400.37	4134149.75	27.43	27.43
DISCCART	600395.72	4134155.53	27.43	27.43
DISCCART	600474.16	4134051.69	27.43	27.43
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DISCCART	600492.59	4134041.26	27.43	27.43
DISCCART	600498.73	4134037.78	27.43	27.43
DISCCART	600504.87	4134034.30	27.43	27.43
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DISCCART	600517.16	4134027.35	27.43	27.43
DISCCART	600523.30	4134023.88	27.43	27.43
DISCCART	600529.45	4134020.40	27.43	27.43
DISCCART	600535.59	4134016.92	27.41	27.41
DISCCART	600548.58	4134015.16	27.28	27.28
DISCCART	600555.43	4134016.86	27.21	27.21
DISCCART	600617.08	4134032.23	27.43	27.43
DISCCART	600623.92	4134033.94	27.43	27.43
DISCCART	600630.77	4134035.65	27.43	27.43
DISCCART	600637.62	4134037.36	27.43	27.43
DISCCART	600444.78	4134053.06	27.43	27.43
DISCCART	600451.11	4134049.48	27.43	27.43
DISCCART	600457.45	4134045.89	27.43	27.43
DISCCART	600489.12	4134027.97	27.43	27.43
DISCCART	600495.46	4134024.39	27.43	27.43
DISCCART	600501.80	4134020.80	27.43	27.43
DISCCART	600508.13	4134017.22	27.43	27.43
DISCCART	600514.47	4134013.63	27.43	27.43
DISCCART	600520.80	4134010.05	27.43	27.43
DISCCART	600527.14	4134006.46	27.43	27.43
DISCCART	600533.47	4134002.88	27.43	27.43
DISCCART	600575.12	4134008.10	27.30	27.30
DISCCART	600582.19	4134009.86	27.34	27.34
DISCCART	600589.25	4134011.62	27.40	27.40
DISCCART	600596.31	4134013.38	27.43	27.43
DISCCART	600603.38	4134015.14	27.43	27.43
DISCCART	600610.44	4134016.91	27.43	27.43
DISCCART	600617.50	4134018.67	27.43	27.43
DISCCART	600624.57	4134020.43	27.43	27.43
DISCCART	600631.63	4134022.19	27.43	27.43
DISCCART	600638.69	4134023.95	27.43	27.43
DISCCART	600645.76	4134025.71	27.43	27.43

DISCCART	600424.51	4134074.01	27.43	27.43
DISCCART	600419.87	4134079.79	27.44	27.44
DISCCART	600415.23	4134085.58	27.44	27.44
DISCCART	600410.58	4134091.36	27.43	27.43
DISCCART	600405.94	4134097.15	27.43	27.43
DISCCART	600401.30	4134102.93	27.43	27.43
DISCCART	600396.65	4134108.72	27.43	27.43
DISCCART	600392.01	4134114.51	27.43	27.43
DISCCART	600387.37	4134120.29	27.43	27.43
DISCCART	600382.73	4134126.08	27.43	27.43
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DISCCART	600544.73	4133986.85	27.43	27.43
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DISCCART	600558.43	4133990.26	27.40	27.40
DISCCART	600565.28	4133991.97	27.38	27.38
DISCCART	600572.13	4133993.68	27.38	27.38
DISCCART	600578.98	4133995.38	27.39	27.39
DISCCART	600585.83	4133997.09	27.41	27.41
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DISCCART	600488.14	4133870.74	27.43	27.43
DISCCART	600494.48	4133867.15	27.43	27.43
DISCCART	600500.83	4133863.56	27.46	27.46
DISCCART	600507.18	4133859.97	27.50	27.50
DISCCART	600513.52	4133856.38	27.53	27.53
DISCCART	600526.95	4133854.55	27.55	27.55
DISCCART	600534.02	4133856.31	27.54	27.54
DISCCART	600541.10	4133858.08	27.52	27.52
DISCCART	600548.17	4133859.84	27.50	27.50
DISCCART	600555.25	4133861.61	27.48	27.48
DISCCART	600562.32	4133863.37	27.46	27.46
DISCCART	600569.40	4133865.14	27.51	27.51
DISCCART	600583.55	4133868.67	27.62	27.62
DISCCART	600590.63	4133870.43	27.67	27.67
DISCCART	600597.70	4133872.19	27.68	27.68
DISCCART	600604.78	4133873.96	27.66	27.66
DISCCART	600611.85	4133875.72	27.64	27.64
DISCCART	600618.93	4133877.49	27.62	27.62
DISCCART	600626.00	4133879.25	27.61	27.61
DISCCART	600633.08	4133881.02	27.59	27.59
DISCCART	600640.15	4133882.78	27.57	27.57
DISCCART	600647.23	4133884.54	27.55	27.55
DISCCART	600654.31	4133886.31	27.54	27.54
DISCCART	600661.38	4133888.07	27.52	27.52
DISCCART	600668.46	4133889.84	27.50	27.50
DISCCART	600675.53	4133891.60	27.48	27.48
DISCCART	600682.61	4133893.37	27.46	27.46
DISCCART	600689.68	4133895.13	27.45	27.45
DISCCART	600696.76	4133896.90	27.43	27.43
DISCCART	600703.84	4133898.66	27.43	27.43
DISCCART	600710.91	4133900.42	27.43	27.43
DISCCART	600717.99	4133902.19	27.43	27.43
DISCCART	600725.06	4133903.95	27.43	27.43
DISCCART	600732.14	4133905.72	27.43	27.43
DISCCART	600323.12	4133964.11	27.43	27.43
DISCCART	600318.48	4133969.90	27.43	27.43
DISCCART	600313.84	4133975.68	27.43	27.43
DISCCART	600299.91	4133993.04	27.43	27.43
DISCCART	600295.26	4133998.82	27.43	27.43
DISCCART	600290.62	4134004.61	27.43	27.43
DISCCART	600285.98	4134010.40	27.43	27.43
DISCCART	600281.34	4134016.18	27.43	27.43
DISCCART	600276.69	4134021.97	27.43	27.43
DISCCART	600272.05	4134027.75	27.43	27.43

DISCCART	600267.41	4134033.54	27.43	27.43
DISCCART	600262.76	4134039.32	27.43	27.43
DISCCART	600258.12	4134045.11	27.43	27.43
DISCCART	600448.80	4134210.23	27.43	27.43
DISCCART	600439.21	4134221.05	27.43	27.43
DISCCART	600441.87	4134210.94	27.43	27.43
DISCCART	600429.54	4134232.17	27.43	27.43
DISCCART	600432.22	4134221.95	27.43	27.43
DISCCART	600434.91	4134211.73	27.43	27.43
DISCCART	600437.60	4134201.51	27.43	27.43
DISCCART	600419.81	4134243.49	27.43	27.43
DISCCART	600422.52	4134233.19	27.43	27.43
DISCCART	600425.23	4134222.89	27.43	27.43
DISCCART	600427.94	4134212.58	27.43	27.43
DISCCART	600430.65	4134202.28	27.43	27.43
DISCCART	600412.77	4134244.60	27.43	27.43
DISCCART	600415.50	4134234.23	27.43	27.43
DISCCART	600418.23	4134223.85	27.43	27.43
DISCCART	600420.96	4134213.48	27.43	27.43
DISCCART	600423.69	4134203.10	27.43	27.43
DISCCART	600426.42	4134192.73	27.43	27.43
DISCCART	600407.31	4134255.45	27.43	27.43
DISCCART	600405.73	4134245.72	27.43	27.43
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DISCCART	600411.22	4134224.85	27.43	27.43
DISCCART	600413.97	4134214.41	27.43	27.43
DISCCART	600416.71	4134203.98	27.43	27.43
DISCCART	600419.46	4134193.54	27.43	27.43
DISCCART	600398.68	4134246.85	27.43	27.43
DISCCART	600401.44	4134236.35	27.43	27.43
DISCCART	600404.20	4134225.86	27.43	27.43
DISCCART	600406.96	4134215.37	27.43	27.43
DISCCART	600409.73	4134204.88	27.43	27.43
DISCCART	600412.49	4134194.39	27.43	27.43
DISCCART	600415.25	4134183.90	27.43	27.43
DISCCART	600387.38	4134238.52	27.43	27.43
DISCCART	600390.16	4134227.94	27.43	27.43
DISCCART	600392.95	4134217.36	27.43	27.43
DISCCART	600395.73	4134206.79	27.43	27.43
DISCCART	600398.51	4134196.21	27.43	27.43
DISCCART	600401.30	4134185.63	27.43	27.43
DISCCART	600404.08	4134175.05	27.43	27.43
DISCCART	600387.22	4134284.31	27.39	27.39
DISCCART	600381.18	4134275.10	27.43	27.43
DISCCART	600375.14	4134265.89	27.43	27.43
DISCCART	600376.11	4134230.07	27.43	27.43
DISCCART	600378.91	4134219.42	27.43	27.43
DISCCART	600381.71	4134208.77	27.43	27.43
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DISCCART	600387.32	4134187.48	27.43	27.43
DISCCART	600390.12	4134176.83	27.43	27.43
DISCCART	600392.92	4134166.18	27.43	27.43
DISCCART	600379.29	4134296.01	27.33	27.33
DISCCART	600373.22	4134286.75	27.43	27.43
DISCCART	600367.15	4134277.50	27.43	27.43
DISCCART	600361.08	4134268.24	27.43	27.43
DISCCART	600356.41	4134253.63	27.43	27.43
DISCCART	600364.86	4134221.52	27.43	27.43
DISCCART	600367.68	4134210.82	27.43	27.43
DISCCART	600370.50	4134200.11	27.43	27.43
DISCCART	600373.31	4134189.41	27.43	27.43
DISCCART	600376.13	4134178.70	27.43	27.43
DISCCART	600367.20	4134301.37	27.28	27.28
DISCCART	600361.36	4134292.46	27.37	27.37

DISCCART	600355.51	4134283.56	27.43	27.43
DISCCART	600349.67	4134274.65	27.40	27.40
DISCCART	600343.83	4134265.74	27.34	27.34
DISCCART	600342.26	4134256.13	27.32	27.32
DISCCART	600344.97	4134245.83	27.38	27.38
DISCCART	600347.68	4134235.53	27.42	27.42
DISCCART	600353.11	4134214.92	27.43	27.43
DISCCART	600355.82	4134204.62	27.43	27.43
DISCCART	600369.37	4134153.10	27.43	27.43
DISCCART	600359.17	4134312.92	27.16	27.16
DISCCART	600353.28	4134303.95	27.25	27.25
DISCCART	600347.40	4134294.98	27.30	27.30
DISCCART	600341.52	4134286.01	27.31	27.31
DISCCART	600335.63	4134277.04	27.25	27.25
DISCCART	600329.75	4134268.07	27.19	27.19
DISCCART	600328.17	4134258.40	27.18	27.18
DISCCART	600330.90	4134248.02	27.27	27.27
DISCCART	600333.63	4134237.65	27.36	27.36
DISCCART	600336.36	4134227.27	27.43	27.43
DISCCART	600347.28	4134185.77	27.43	27.43
DISCCART	600350.01	4134175.40	27.43	27.43
DISCCART	600352.74	4134165.02	27.43	27.43
DISCCART	600355.47	4134154.65	27.43	27.43
DISCCART	600358.20	4134144.27	27.43	27.43
DISCCART	600351.18	4134324.54	27.12	27.12
DISCCART	600345.26	4134315.51	27.13	27.13
DISCCART	600339.34	4134306.49	27.18	27.18
DISCCART	600333.42	4134297.47	27.19	27.19
DISCCART	600327.50	4134288.44	27.17	27.17
DISCCART	600321.58	4134279.42	27.13	27.13
DISCCART	600315.67	4134270.39	27.13	27.13
DISCCART	600314.08	4134260.66	27.13	27.13
DISCCART	600316.83	4134250.23	27.18	27.18
DISCCART	600330.56	4134198.04	27.43	27.43
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DISCCART	600338.80	4134166.73	27.43	27.43
DISCCART	600341.54	4134156.30	27.43	27.43
DISCCART	600344.29	4134145.86	27.43	27.43
DISCCART	600347.04	4134135.42	27.43	27.43
DISCCART	600343.23	4134336.21	27.06	27.06
DISCCART	600337.28	4134327.14	27.07	27.07
DISCCART	600331.33	4134318.07	27.12	27.12
DISCCART	600325.38	4134309.00	27.13	27.13
DISCCART	600319.43	4134299.93	27.11	27.11
DISCCART	600313.48	4134290.86	27.11	27.11
DISCCART	600307.53	4134281.79	27.13	27.13
DISCCART	600301.58	4134272.72	27.13	27.13
DISCCART	600308.27	4134231.46	27.25	27.25
DISCCART	600311.03	4134220.97	27.33	27.33
DISCCART	600313.79	4134210.48	27.39	27.39
DISCCART	600322.07	4134179.01	27.43	27.43
DISCCART	600324.83	4134168.52	27.43	27.43
DISCCART	600327.59	4134158.03	27.43	27.43
DISCCART	600330.35	4134147.54	27.43	27.43
DISCCART	600333.11	4134137.05	27.43	27.43
DISCCART	600335.87	4134126.56	27.43	27.43
DISCCART	600326.15	4134353.89	26.85	26.85
DISCCART	600320.21	4134344.83	26.84	26.84
DISCCART	600314.27	4134335.78	26.90	26.90
DISCCART	600308.33	4134326.73	26.92	26.92
DISCCART	600302.39	4134317.67	26.91	26.91
DISCCART	600296.45	4134308.62	26.93	26.93
DISCCART	600290.51	4134299.57	26.98	26.98

DISCCART	600284.58	4134290.51	27.01	27.01
DISCCART	600274.08	4134267.17	27.06	27.06
DISCCART	600276.83	4134256.70	27.13	27.13
DISCCART	600279.59	4134246.23	27.13	27.13
DISCCART	600282.34	4134235.76	27.13	27.13
DISCCART	600285.10	4134225.29	27.14	27.14
DISCCART	600287.85	4134214.81	27.22	27.22
DISCCART	600290.61	4134204.34	27.33	27.33
DISCCART	600293.36	4134193.87	27.43	27.43
DISCCART	600301.63	4134162.46	27.43	27.43
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DISCCART	600309.90	4134131.05	27.43	27.43
DISCCART	600312.65	4134120.57	27.43	27.43
DISCCART	600315.41	4134110.10	27.43	27.43
DISCCART	600312.02	4134376.07	26.82	26.82
DISCCART	600306.09	4134367.03	26.82	26.82
DISCCART	600300.16	4134357.99	26.82	26.82
DISCCART	600294.23	4134348.95	26.82	26.82
DISCCART	600288.30	4134339.91	26.82	26.82
DISCCART	600282.37	4134330.87	26.82	26.82
DISCCART	600276.44	4134321.83	26.82	26.82
DISCCART	600270.51	4134312.79	26.83	26.83
DISCCART	600258.65	4134294.71	26.82	26.82
DISCCART	600252.72	4134285.67	26.83	26.83
DISCCART	600248.17	4134271.40	26.98	26.98
DISCCART	600250.92	4134260.94	27.08	27.08
DISCCART	600253.67	4134250.49	27.13	27.13
DISCCART	600256.42	4134240.03	27.13	27.13
DISCCART	600259.17	4134229.58	27.13	27.13
DISCCART	600261.92	4134219.12	27.13	27.13
DISCCART	600264.67	4134208.67	27.14	27.14
DISCCART	600267.43	4134198.21	27.17	27.17
DISCCART	600270.18	4134187.75	27.27	27.27
DISCCART	600272.93	4134177.30	27.36	27.36
DISCCART	600281.18	4134145.93	27.43	27.43
DISCCART	600283.93	4134135.48	27.43	27.43
DISCCART	600294.94	4134093.65	27.43	27.43
DISCCART	600293.69	4134391.85	26.67	26.67
DISCCART	600287.62	4134382.60	26.76	26.76
DISCCART	600281.56	4134373.35	26.82	26.82
DISCCART	600275.49	4134364.10	26.82	26.82
DISCCART	600269.42	4134354.85	26.82	26.82
DISCCART	600263.35	4134345.60	26.82	26.82
DISCCART	600257.29	4134336.35	26.82	26.82
DISCCART	600239.08	4134308.60	26.82	26.82
DISCCART	600233.02	4134299.35	26.82	26.82
DISCCART	600226.95	4134290.10	26.82	26.82
DISCCART	600222.29	4134275.50	26.93	26.93
DISCCART	600225.11	4134264.80	27.04	27.04
DISCCART	600227.92	4134254.11	27.13	27.13
DISCCART	600230.74	4134243.41	27.13	27.13
DISCCART	600233.55	4134232.71	27.13	27.13
DISCCART	600236.37	4134222.01	27.13	27.13
DISCCART	600239.18	4134211.31	27.13	27.13
DISCCART	600242.00	4134200.62	27.13	27.13
DISCCART	600244.81	4134189.92	27.19	27.19
DISCCART	600247.63	4134179.22	27.30	27.30
DISCCART	600258.89	4134136.43	27.43	27.43
DISCCART	600261.70	4134125.73	27.43	27.43
DISCCART	600264.52	4134115.03	27.43	27.43
DISCCART	600267.33	4134104.33	27.43	27.43
DISCCART	600270.15	4134093.63	27.43	27.43
DISCCART	600272.96	4134082.94	27.43	27.43

DISCCART	600275.78	4134072.24	27.43	27.43
DISCCART	600279.66	4134414.18	26.52	26.52
DISCCART	600273.61	4134404.96	26.53	26.53
DISCCART	600267.56	4134395.73	26.63	26.63
DISCCART	600261.51	4134386.51	26.72	26.72
DISCCART	600255.46	4134377.29	26.81	26.81
DISCCART	600249.41	4134368.07	26.82	26.82
DISCCART	600243.36	4134358.85	26.82	26.82
DISCCART	600237.31	4134349.63	26.82	26.82
DISCCART	600225.22	4134331.18	26.82	26.82
DISCCART	600219.17	4134321.96	26.82	26.82
DISCCART	600213.12	4134312.74	26.82	26.82
DISCCART	600207.07	4134303.52	26.82	26.82
DISCCART	600201.02	4134294.30	26.84	26.84
DISCCART	600196.38	4134279.74	26.94	26.94
DISCCART	600199.18	4134269.08	27.02	27.02
DISCCART	600201.99	4134258.41	27.11	27.11
DISCCART	600204.80	4134247.75	27.13	27.13
DISCCART	600207.60	4134237.08	27.13	27.13
DISCCART	600210.41	4134226.42	27.13	27.13
DISCCART	600221.64	4134183.76	27.26	27.26
DISCCART	600224.44	4134173.09	27.36	27.36
DISCCART	600227.25	4134162.43	27.43	27.43
DISCCART	600230.06	4134151.76	27.43	27.43
DISCCART	600232.86	4134141.10	27.43	27.43
DISCCART	600238.48	4134119.77	27.43	27.43
DISCCART	600241.28	4134109.10	27.43	27.43
DISCCART	600244.09	4134098.44	27.43	27.43
DISCCART	600246.90	4134087.77	27.43	27.43
DISCCART	600249.70	4134077.11	27.43	27.43
DISCCART	600252.51	4134066.44	27.43	27.43
DISCCART	600255.32	4134055.78	27.43	27.43
DISCCART	600374.52	4134301.25	27.28	27.28
DISCCART	600337.14	4134348.56	26.95	26.95
DISCCART	600323.13	4134366.30	26.82	26.82
DISCCART	600318.45	4134372.22	26.82	26.82
DISCCART	600309.11	4134384.05	26.79	26.79
DISCCART	600304.44	4134389.96	26.74	26.74
DISCCART	600290.42	4134407.70	26.52	26.52
DISCCART	600271.73	4134431.36	26.52	26.52
DISCCART	600267.06	4134437.27	26.51	26.51
DISCCART	600234.35	4134478.67	26.50	26.50
DISCCART	600229.68	4134484.58	26.55	26.55
DISCCART	600225.01	4134490.49	26.60	26.60
DISCCART	600201.64	4134520.06	26.36	26.36
DISCCART	600196.97	4134525.98	26.29	26.29
DISCCART	600192.30	4134531.89	26.29	26.29
DISCCART	600187.63	4134537.80	26.32	26.32
DISCCART	600182.95	4134543.72	26.36	26.36
DISCCART	600336.21	4134338.22	27.00	27.00
DISCCART	600331.54	4134344.14	26.92	26.92
DISCCART	600317.52	4134361.88	26.82	26.82
DISCCART	600303.50	4134379.62	26.80	26.80
DISCCART	600298.83	4134385.53	26.75	26.75
DISCCART	600289.49	4134397.36	26.61	26.61
DISCCART	600284.81	4134403.27	26.55	26.55
DISCCART	600266.12	4134426.93	26.52	26.52
DISCCART	600261.45	4134432.84	26.52	26.52
DISCCART	600242.76	4134456.50	26.45	26.45
DISCCART	600238.09	4134462.41	26.47	26.47
DISCCART	600233.42	4134468.32	26.52	26.52
DISCCART	600228.75	4134474.24	26.56	26.56
DISCCART	600210.06	4134497.89	26.73	26.73
DISCCART	600205.38	4134503.81	26.66	26.66

DISCCART	600200.71	4134509.72	26.58	26.58
DISCCART	600196.04	4134515.64	26.51	26.51
DISCCART	600191.37	4134521.55	26.43	26.43
DISCCART	600330.61	4134333.79	26.99	26.99
DISCCART	600325.93	4134339.71	26.91	26.91
DISCCART	600316.59	4134351.53	26.82	26.82
DISCCART	600311.92	4134357.45	26.82	26.82
DISCCART	600297.90	4134375.19	26.82	26.82
DISCCART	600283.88	4134392.93	26.66	26.66
DISCCART	600279.21	4134398.84	26.60	26.60
DISCCART	600260.52	4134422.50	26.52	26.52
DISCCART	600255.85	4134428.41	26.52	26.52
DISCCART	600251.18	4134434.33	26.52	26.52
DISCCART	600246.50	4134440.24	26.50	26.50
DISCCART	600241.83	4134446.16	26.49	26.49
DISCCART	600237.16	4134452.07	26.50	26.50
DISCCART	600232.49	4134457.98	26.52	26.52
DISCCART	600227.81	4134463.90	26.57	26.57
DISCCART	600209.12	4134487.55	26.76	26.76
DISCCART	600204.45	4134493.47	26.81	26.81
DISCCART	600199.78	4134499.38	26.80	26.80
DISCCART	600195.11	4134505.29	26.73	26.73
DISCCART	600176.42	4134528.95	26.48	26.48
DISCCART	600171.74	4134534.86	26.55	26.55
DISCCART	600395.09	4134240.66	27.43	27.43
DISCCART	600325.00	4134329.37	27.00	27.00
DISCCART	600310.98	4134347.11	26.82	26.82
DISCCART	600306.31	4134353.02	26.82	26.82
DISCCART	600296.97	4134364.85	26.82	26.82
DISCCART	600292.29	4134370.76	26.82	26.82
DISCCART	600278.28	4134388.50	26.70	26.70
DISCCART	600254.92	4134418.07	26.52	26.52
DISCCART	600250.24	4134423.99	26.52	26.52
DISCCART	600245.57	4134429.90	26.52	26.52
DISCCART	600240.90	4134435.81	26.52	26.52
DISCCART	600236.23	4134441.73	26.51	26.51
DISCCART	600231.55	4134447.64	26.53	26.53
DISCCART	600212.86	4134471.30	26.72	26.72
DISCCART	600208.19	4134477.21	26.77	26.77
DISCCART	600203.52	4134483.12	26.82	26.82
DISCCART	600198.85	4134489.04	26.88	26.88
DISCCART	600180.16	4134512.69	26.73	26.73
DISCCART	600175.48	4134518.61	26.65	26.65
DISCCART	600170.81	4134524.52	26.60	26.60
DISCCART	600166.14	4134530.43	26.66	26.66
DISCCART	600370.79	4134259.89	27.43	27.43
DISCCART	600324.07	4134319.02	27.10	27.10
DISCCART	600319.40	4134324.94	27.01	27.01
DISCCART	600305.38	4134342.68	26.84	26.84
DISCCART	600291.36	4134360.42	26.82	26.82
DISCCART	600286.69	4134366.33	26.82	26.82
DISCCART	600272.67	4134384.07	26.75	26.75
DISCCART	600249.31	4134413.64	26.52	26.52
DISCCART	600244.64	4134419.56	26.52	26.52
DISCCART	600225.95	4134443.21	26.59	26.59
DISCCART	600216.60	4134455.04	26.69	26.69
DISCCART	600211.93	4134460.95	26.73	26.73
DISCCART	600207.26	4134466.87	26.78	26.78
DISCCART	600202.59	4134472.78	26.83	26.83
DISCCART	600197.91	4134478.70	26.91	26.91
DISCCART	600179.22	4134502.35	26.95	26.95
DISCCART	600174.55	4134508.26	26.87	26.87
DISCCART	600169.88	4134514.18	26.81	26.81
DISCCART	600165.21	4134520.09	26.77	26.77

DISCCART	600160.54	4134526.01	26.78	26.78
DISCCART	600350.24	4134262.86	27.40	27.40
DISCCART	600312.86	4134310.17	27.04	27.04
DISCCART	600298.84	4134327.91	26.86	26.86
DISCCART	600294.17	4134333.82	26.83	26.83
DISCCART	600280.15	4134351.56	26.82	26.82
DISCCART	600266.14	4134369.30	26.82	26.82
DISCCART	600252.12	4134387.05	26.71	26.71
DISCCART	600238.10	4134404.79	26.53	26.53
DISCCART	600233.43	4134410.70	26.52	26.52
DISCCART	600228.76	4134416.62	26.56	26.56
DISCCART	600224.08	4134422.53	26.61	26.61
DISCCART	600219.41	4134428.44	26.66	26.66
DISCCART	600214.74	4134434.36	26.70	26.70
DISCCART	600210.07	4134440.27	26.75	26.75
DISCCART	600191.38	4134463.93	27.06	27.06
DISCCART	600186.71	4134469.84	27.14	27.14
DISCCART	600182.03	4134475.75	27.19	27.19
DISCCART	600177.36	4134481.67	27.21	27.21
DISCCART	600172.69	4134487.58	27.22	27.22
DISCCART	600168.02	4134493.49	27.16	27.16
DISCCART	600163.34	4134499.41	27.09	27.09
DISCCART	600158.67	4134505.32	27.03	27.03
DISCCART	600154.00	4134511.24	27.02	27.02
DISCCART	600149.33	4134517.15	27.04	27.04
DISCCART	600315.67	4134283.57	27.13	27.13
DISCCART	600306.32	4134295.40	27.08	27.08
DISCCART	600301.65	4134301.31	27.02	27.02
DISCCART	600287.63	4134319.05	26.82	26.82
DISCCART	600273.62	4134336.79	26.82	26.82
DISCCART	600259.60	4134354.53	26.82	26.82
DISCCART	600254.93	4134360.45	26.82	26.82
DISCCART	600240.91	4134378.19	26.80	26.80
DISCCART	600226.89	4134395.93	26.67	26.67
DISCCART	600222.22	4134401.85	26.66	26.66
DISCCART	600217.55	4134407.76	26.68	26.68
DISCCART	600203.53	4134425.50	26.82	26.82
DISCCART	600194.19	4134437.33	27.01	27.01
DISCCART	600189.51	4134443.24	27.10	27.10
DISCCART	600184.84	4134449.16	27.20	27.20
DISCCART	600180.17	4134455.07	27.29	27.29
DISCCART	600175.50	4134460.98	27.38	27.38
DISCCART	600170.82	4134466.90	27.43	27.43
DISCCART	600166.15	4134472.81	27.37	27.37
DISCCART	600161.48	4134478.72	27.31	27.31
DISCCART	600156.81	4134484.64	27.25	27.25
DISCCART	600152.13	4134490.55	27.19	27.19
DISCCART	600147.46	4134496.47	27.13	27.13
DISCCART	600142.79	4134502.38	27.13	27.13
DISCCART	600138.12	4134508.29	27.15	27.15
DISCCART	600299.79	4134280.63	27.13	27.13
DISCCART	600295.11	4134286.54	27.13	27.13
DISCCART	600281.10	4134304.28	26.90	26.90
DISCCART	600267.08	4134322.02	26.82	26.82
DISCCART	600262.41	4134327.94	26.82	26.82
DISCCART	600248.39	4134345.68	26.82	26.82
DISCCART	600234.37	4134363.42	26.82	26.82
DISCCART	600229.70	4134369.33	26.82	26.82
DISCCART	600215.68	4134387.07	26.78	26.78
DISCCART	600211.01	4134392.99	26.78	26.78
DISCCART	600206.34	4134398.90	26.80	26.80
DISCCART	600201.67	4134404.82	26.84	26.84
DISCCART	600196.99	4134410.73	26.89	26.89
DISCCART	600192.32	4134416.64	26.97	26.97

DISCCART	600187.65	4134422.56	27.06	27.06
DISCCART	600182.98	4134428.47	27.18	27.18
DISCCART	600178.30	4134434.39	27.31	27.31
DISCCART	600173.63	4134440.30	27.42	27.42
DISCCART	600168.96	4134446.21	27.43	27.43
DISCCART	600164.29	4134452.13	27.43	27.43
DISCCART	600159.61	4134458.04	27.43	27.43
DISCCART	600154.94	4134463.95	27.43	27.43
DISCCART	600150.27	4134469.87	27.40	27.40
DISCCART	600145.60	4134475.78	27.34	27.34
DISCCART	600140.92	4134481.70	27.27	27.27
DISCCART	600136.25	4134487.61	27.20	27.20
DISCCART	600131.58	4134493.52	27.15	27.15
DISCCART	600126.91	4134499.44	27.14	27.14
DISCCART	600370.82	4134144.64	27.43	27.43
DISCCART	600342.78	4134180.12	27.43	27.43
DISCCART	600300.73	4134233.35	27.19	27.19
DISCCART	600296.06	4134239.26	27.14	27.14
DISCCART	600291.39	4134245.17	27.13	27.13
DISCCART	600286.71	4134251.09	27.13	27.13
DISCCART	600268.02	4134274.74	26.97	26.97
DISCCART	600263.35	4134280.66	26.88	26.88
DISCCART	600249.33	4134298.40	26.82	26.82
DISCCART	600244.66	4134304.31	26.82	26.82
DISCCART	600235.32	4134316.14	26.82	26.82
DISCCART	600230.64	4134322.05	26.82	26.82
DISCCART	600216.63	4134339.79	26.82	26.82
DISCCART	600211.95	4134345.71	26.82	26.82
DISCCART	600207.28	4134351.62	26.82	26.82
DISCCART	600193.26	4134369.36	26.85	26.85
DISCCART	600188.59	4134375.28	26.83	26.83
DISCCART	600183.92	4134381.19	26.85	26.85
DISCCART	600179.25	4134387.10	26.91	26.91
DISCCART	600174.58	4134393.02	26.98	26.98
DISCCART	600169.90	4134398.93	27.08	27.08
DISCCART	600165.23	4134404.85	27.19	27.19
DISCCART	600160.56	4134410.76	27.28	27.28
DISCCART	600155.89	4134416.67	27.35	27.35
DISCCART	600151.21	4134422.59	27.39	27.39
DISCCART	600146.54	4134428.50	27.42	27.42
DISCCART	600141.87	4134434.41	27.43	27.43
DISCCART	600137.20	4134440.33	27.42	27.42
DISCCART	600132.52	4134446.24	27.40	27.40
DISCCART	600127.85	4134452.16	27.35	27.35
DISCCART	600123.18	4134458.07	27.29	27.29
DISCCART	600118.51	4134463.98	27.20	27.20
DISCCART	600359.61	4134135.78	27.43	27.43
DISCCART	600331.57	4134171.26	27.43	27.43
DISCCART	600308.21	4134200.83	27.41	27.41
DISCCART	600303.54	4134206.75	27.36	27.36
DISCCART	600298.87	4134212.66	27.30	27.30
DISCCART	600294.19	4134218.58	27.21	27.21
DISCCART	600270.83	4134248.14	27.13	27.13
DISCCART	600266.16	4134254.06	27.13	27.13
DISCCART	600261.49	4134259.97	27.09	27.09
DISCCART	600256.81	4134265.89	27.03	27.03
DISCCART	600242.80	4134283.63	26.85	26.85
DISCCART	600238.12	4134289.54	26.82	26.82
DISCCART	600224.11	4134307.28	26.82	26.82
DISCCART	600210.09	4134325.02	26.82	26.82
DISCCART	600205.42	4134330.94	26.82	26.82
DISCCART	600200.75	4134336.85	26.85	26.85
DISCCART	600196.07	4134342.76	26.89	26.89
DISCCART	600182.06	4134360.51	26.94	26.94

DISCCART	600177.38	4134366.42	26.91	26.91
DISCCART	600172.71	4134372.33	26.87	26.87
DISCCART	600168.04	4134378.25	26.89	26.89
DISCCART	600163.37	4134384.16	27.00	27.00
DISCCART	600158.69	4134390.08	27.11	27.11
DISCCART	600154.02	4134395.99	27.22	27.22
DISCCART	600149.35	4134401.90	27.32	27.32
DISCCART	600144.68	4134407.82	27.42	27.42
DISCCART	600140.00	4134413.73	27.43	27.43
DISCCART	600135.33	4134419.64	27.43	27.43
DISCCART	600130.66	4134425.56	27.43	27.43
DISCCART	600125.99	4134431.47	27.43	27.43
DISCCART	600121.31	4134437.39	27.43	27.43
DISCCART	600116.64	4134443.30	27.37	27.37
DISCCART	600111.97	4134449.21	27.30	27.30
DISCCART	600107.30	4134455.13	27.22	27.22
DISCCART	600102.62	4134461.04	27.16	27.16
DISCCART	600097.95	4134466.95	27.13	27.13
DISCCART	600093.28	4134472.87	27.13	27.13
DISCCART	600348.40	4134126.93	27.43	27.43
DISCCART	600320.36	4134162.41	27.43	27.43
DISCCART	600315.69	4134168.32	27.43	27.43
DISCCART	600311.02	4134174.24	27.43	27.43
DISCCART	600282.98	4134209.72	27.24	27.24
DISCCART	600278.31	4134215.63	27.18	27.18
DISCCART	600273.64	4134221.55	27.14	27.14
DISCCART	600268.97	4134227.46	27.13	27.13
DISCCART	600240.93	4134262.94	27.06	27.06
DISCCART	600236.26	4134268.86	27.00	27.00
DISCCART	600231.59	4134274.77	26.94	26.94
DISCCART	600226.92	4134280.68	26.88	26.88
DISCCART	600217.57	4134292.51	26.82	26.82
DISCCART	600212.90	4134298.43	26.82	26.82
DISCCART	600203.55	4134310.25	26.82	26.82
DISCCART	600198.88	4134316.17	26.87	26.87
DISCCART	600194.21	4134322.08	26.91	26.91
DISCCART	600189.54	4134327.99	26.96	26.96
DISCCART	600184.86	4134333.91	27.01	27.01
DISCCART	600170.85	4134351.65	27.08	27.08
DISCCART	600166.17	4134357.56	27.04	27.04
DISCCART	600161.50	4134363.48	27.02	27.02
DISCCART	600156.83	4134369.39	27.02	27.02
DISCCART	600152.16	4134375.30	27.04	27.04
DISCCART	600147.48	4134381.22	27.13	27.13
DISCCART	600142.81	4134387.13	27.24	27.24
DISCCART	600138.14	4134393.05	27.32	27.32
DISCCART	600133.47	4134398.96	27.38	27.38
DISCCART	600128.79	4134404.87	27.42	27.42
DISCCART	600124.12	4134410.79	27.43	27.43
DISCCART	600119.45	4134416.70	27.43	27.43
DISCCART	600114.78	4134422.62	27.43	27.43
DISCCART	600110.10	4134428.53	27.41	27.41
DISCCART	600105.43	4134434.44	27.36	27.36
DISCCART	600100.76	4134440.36	27.28	27.28
DISCCART	600096.09	4134446.27	27.22	27.22
DISCCART	600091.42	4134452.18	27.17	27.17
DISCCART	600086.74	4134458.10	27.14	27.14
DISCCART	600082.07	4134464.01	27.12	27.12
DISCCART	600332.47	4134104.74	27.43	27.43
DISCCART	600327.80	4134110.65	27.43	27.43
DISCCART	600323.13	4134116.57	27.43	27.43
DISCCART	600299.77	4134146.13	27.43	27.43
DISCCART	600295.09	4134152.05	27.43	27.43
DISCCART	600290.42	4134157.96	27.43	27.43

DISCCART	600262.39	4134193.45	27.16	27.16
DISCCART	600257.71	4134199.36	27.13	27.13
DISCCART	600253.04	4134205.27	27.13	27.13
DISCCART	600248.37	4134211.19	27.13	27.13
DISCCART	600243.70	4134217.10	27.13	27.13
DISCCART	600220.34	4134246.67	27.13	27.13
DISCCART	600215.66	4134252.58	27.13	27.13
DISCCART	600210.99	4134258.50	27.11	27.11
DISCCART	600206.32	4134264.41	27.05	27.05
DISCCART	600187.63	4134288.07	26.98	26.98
DISCCART	600182.96	4134293.98	27.03	27.03
DISCCART	600178.28	4134299.89	27.08	27.08
DISCCART	600173.61	4134305.81	27.12	27.12
DISCCART	600168.94	4134311.72	27.13	27.13
DISCCART	600164.27	4134317.63	27.13	27.13
DISCCART	600150.25	4134335.38	27.13	27.13
DISCCART	600145.58	4134341.29	27.13	27.13
DISCCART	600140.90	4134347.20	27.15	27.15
DISCCART	600136.23	4134353.12	27.20	27.20
DISCCART	600131.56	4134359.03	27.25	27.25
DISCCART	600126.89	4134364.95	27.29	27.29
DISCCART	600122.21	4134370.86	27.34	27.34
DISCCART	600117.54	4134376.77	27.39	27.39
DISCCART	600112.87	4134382.69	27.43	27.43
DISCCART	600108.20	4134388.60	27.43	27.43
DISCCART	600103.53	4134394.51	27.43	27.43
DISCCART	600098.85	4134400.43	27.43	27.43
DISCCART	600094.18	4134406.34	27.43	27.43
DISCCART	600089.51	4134412.26	27.39	27.39
DISCCART	600084.84	4134418.17	27.32	27.32
DISCCART	600080.16	4134424.08	27.21	27.21
DISCCART	600075.49	4134430.00	27.10	27.10
DISCCART	600070.82	4134435.91	27.00	27.00
DISCCART	600066.15	4134441.82	26.95	26.95
DISCCART	600061.47	4134447.74	26.91	26.91
DISCCART	600291.28	4134072.19	27.43	27.43
DISCCART	600286.61	4134078.11	27.43	27.43
DISCCART	600281.93	4134084.02	27.43	27.43
DISCCART	600277.26	4134089.93	27.43	27.43
DISCCART	600253.90	4134119.50	27.43	27.43
DISCCART	600249.23	4134125.42	27.43	27.43
DISCCART	600216.52	4134166.81	27.43	27.43
DISCCART	600211.85	4134172.73	27.37	27.37
DISCCART	600207.18	4134178.64	27.31	27.31
DISCCART	600202.50	4134184.55	27.25	27.25
DISCCART	600197.83	4134190.47	27.19	27.19
DISCCART	600193.16	4134196.38	27.13	27.13
DISCCART	600188.49	4134202.29	27.13	27.13
DISCCART	600183.81	4134208.21	27.13	27.13
DISCCART	600179.14	4134214.12	27.13	27.13
DISCCART	600174.47	4134220.04	27.13	27.13
DISCCART	600169.80	4134225.95	27.13	27.13
DISCCART	600165.12	4134231.86	27.13	27.13
DISCCART	600160.45	4134237.78	27.13	27.13
DISCCART	600155.78	4134243.69	27.13	27.13
DISCCART	600151.11	4134249.61	27.13	27.13
DISCCART	600146.43	4134255.52	27.13	27.13
DISCCART	600141.76	4134261.43	27.13	27.13
DISCCART	600137.09	4134267.35	27.13	27.13
DISCCART	600132.42	4134273.26	27.13	27.13
DISCCART	600127.74	4134279.17	27.13	27.13
DISCCART	600123.07	4134285.09	27.13	27.13
DISCCART	600109.06	4134302.83	27.15	27.15
DISCCART	600104.38	4134308.74	27.19	27.19

DISCCART	600099.71	4134314.66	27.26	27.26
DISCCART	600095.04	4134320.57	27.33	27.33
DISCCART	600090.37	4134326.48	27.38	27.38
DISCCART	600085.69	4134332.40	27.42	27.42
DISCCART	600081.02	4134338.31	27.41	27.41
DISCCART	600076.35	4134344.23	27.36	27.36
DISCCART	600071.68	4134350.14	27.32	27.32
DISCCART	600067.00	4134356.05	27.27	27.27
DISCCART	600062.33	4134361.97	27.22	27.22
DISCCART	600057.66	4134367.88	27.17	27.17
DISCCART	600052.99	4134373.79	27.13	27.13
DISCCART	600048.31	4134379.71	27.04	27.04
DISCCART	600043.64	4134385.62	26.94	26.94
DISCCART	600038.97	4134391.54	26.83	26.83
DISCCART	600034.30	4134397.45	26.72	26.72
DISCCART	600029.62	4134403.36	26.61	26.61
DISCCART	600024.95	4134409.28	26.54	26.54
DISCCART	600020.28	4134415.19	26.52	26.52
DISCCART	600270.68	4134055.92	27.43	27.43
DISCCART	600266.01	4134061.83	27.43	27.43
DISCCART	600261.34	4134067.75	27.43	27.43
DISCCART	600256.66	4134073.66	27.43	27.43
DISCCART	600233.30	4134103.23	27.43	27.43
DISCCART	600228.63	4134109.14	27.43	27.43
DISCCART	600214.61	4134126.88	27.43	27.43
DISCCART	600209.94	4134132.80	27.43	27.43
DISCCART	600205.27	4134138.71	27.43	27.43
DISCCART	600200.60	4134144.62	27.43	27.43
DISCCART	600195.92	4134150.54	27.43	27.43
DISCCART	600191.25	4134156.45	27.43	27.43
DISCCART	600186.58	4134162.37	27.43	27.43
DISCCART	600181.91	4134168.28	27.41	27.41
DISCCART	600177.23	4134174.19	27.35	27.35
DISCCART	600172.56	4134180.11	27.29	27.29
DISCCART	600167.89	4134186.02	27.23	27.23
DISCCART	600163.22	4134191.94	27.17	27.17
DISCCART	600158.54	4134197.85	27.13	27.13
DISCCART	600153.87	4134203.76	27.13	27.13
DISCCART	600149.20	4134209.68	27.13	27.13
DISCCART	600144.53	4134215.59	27.13	27.13
DISCCART	600139.85	4134221.50	27.13	27.13
DISCCART	600135.18	4134227.42	27.13	27.13
DISCCART	600130.51	4134233.33	27.13	27.13
DISCCART	600125.84	4134239.25	27.13	27.13
DISCCART	600121.16	4134245.16	27.13	27.13
DISCCART	600116.49	4134251.07	27.13	27.13
DISCCART	600111.82	4134256.99	27.13	27.13
DISCCART	600107.15	4134262.90	27.13	27.13
DISCCART	600102.48	4134268.81	27.13	27.13
DISCCART	600088.46	4134286.56	27.13	27.13
DISCCART	600083.79	4134292.47	27.19	27.19
DISCCART	600079.11	4134298.38	27.23	27.23
DISCCART	600074.44	4134304.30	27.26	27.26
DISCCART	600069.77	4134310.21	27.26	27.26
DISCCART	600065.10	4134316.12	27.25	27.25
DISCCART	600060.42	4134322.04	27.20	27.20
DISCCART	600055.75	4134327.95	27.15	27.15
DISCCART	600051.08	4134333.87	27.11	27.11
DISCCART	600046.41	4134339.78	27.07	27.07
DISCCART	600041.73	4134345.69	27.01	27.01
DISCCART	600037.06	4134351.61	26.96	26.96
DISCCART	600032.39	4134357.52	26.92	26.92
DISCCART	600027.72	4134363.44	26.87	26.87
DISCCART	600023.04	4134369.35	26.82	26.82

DISCCART	600018.37	4134375.26	26.77	26.77
DISCCART	600013.70	4134381.18	26.69	26.69
DISCCART	600009.03	4134387.09	26.62	26.62
DISCCART	600004.35	4134393.00	26.57	26.57
DISCCART	599999.68	4134398.92	26.53	26.53
DISCCART	600180.65	4134609.15	26.79	26.79
DISCCART	600178.12	4134600.06	26.77	26.77
DISCCART	600173.84	4134611.14	26.82	26.82
DISCCART	600167.67	4134623.27	26.81	26.81
DISCCART	600157.52	4134605.56	26.88	26.88
DISCCART	600159.71	4134594.69	26.92	26.92
DISCCART	600168.46	4134551.18	26.61	26.61
DISCCART	600153.34	4134617.05	26.82	26.82
DISCCART	600150.65	4134607.42	26.89	26.89
DISCCART	600152.87	4134596.42	26.96	26.96
DISCCART	600155.08	4134585.42	27.00	27.00
DISCCART	600163.93	4134541.43	26.71	26.71
DISCCART	600150.32	4134623.18	26.77	26.77
DISCCART	600143.78	4134609.28	26.89	26.89
DISCCART	600146.02	4134598.18	26.99	26.99
DISCCART	600148.25	4134587.08	27.07	27.07
DISCCART	600157.19	4134542.66	26.84	26.84
DISCCART	600147.32	4134638.76	26.63	26.63
DISCCART	600139.95	4134630.72	26.68	26.68
DISCCART	600132.59	4134622.69	26.76	26.76
DISCCART	600129.98	4134613.33	26.85	26.85
DISCCART	600132.13	4134602.64	26.96	26.96
DISCCART	600134.28	4134591.95	27.07	27.07
DISCCART	600136.43	4134581.27	27.14	27.14
DISCCART	600138.58	4134570.58	27.15	27.15
DISCCART	600145.03	4134538.52	27.09	27.09
DISCCART	600147.18	4134527.84	27.05	27.05
DISCCART	600141.38	4134651.13	26.52	26.52
DISCCART	600133.89	4134642.95	26.55	26.55
DISCCART	600126.39	4134634.77	26.64	26.64
DISCCART	600118.89	4134626.59	26.72	26.72
DISCCART	600116.24	4134617.06	26.82	26.82
DISCCART	600118.43	4134606.19	26.93	26.93
DISCCART	600120.61	4134595.31	27.04	27.04
DISCCART	600122.80	4134584.43	27.14	27.14
DISCCART	600124.99	4134573.56	27.21	27.21
DISCCART	600127.18	4134562.68	27.26	27.26
DISCCART	600133.74	4134530.05	27.22	27.22
DISCCART	600135.93	4134519.17	27.18	27.18
DISCCART	600131.80	4134659.53	26.52	26.52
DISCCART	600124.20	4134651.23	26.52	26.52
DISCCART	600116.59	4134642.93	26.55	26.55
DISCCART	600108.99	4134634.63	26.66	26.66
DISCCART	600102.49	4134620.82	26.79	26.79
DISCCART	600104.71	4134609.78	26.89	26.89
DISCCART	600106.93	4134598.75	27.00	27.00
DISCCART	600109.15	4134587.71	27.11	27.11
DISCCART	600111.37	4134576.68	27.23	27.23
DISCCART	600113.59	4134565.64	27.34	27.34
DISCCART	600115.81	4134554.61	27.41	27.41
DISCCART	600122.47	4134521.51	27.30	27.30
DISCCART	600124.69	4134510.47	27.21	27.21
DISCCART	600126.10	4134672.16	26.52	26.52
DISCCART	600118.41	4134663.76	26.52	26.52
DISCCART	600110.71	4134655.36	26.54	26.54
DISCCART	600103.01	4134646.96	26.62	26.62
DISCCART	600095.32	4134638.57	26.73	26.73
DISCCART	600088.74	4134624.59	26.81	26.81
DISCCART	600090.99	4134613.42	26.85	26.85

DISCCART	600093.24	4134602.25	26.97	26.97
DISCCART	600095.48	4134591.08	27.08	27.08
DISCCART	600097.73	4134579.92	27.19	27.19
DISCCART	600099.97	4134568.75	27.31	27.31
DISCCART	600102.22	4134557.58	27.42	27.42
DISCCART	600104.47	4134546.42	27.40	27.40
DISCCART	600111.21	4134512.91	27.28	27.28
DISCCART	600113.45	4134501.75	27.18	27.18
DISCCART	600199.82	4134741.14	26.23	26.23
DISCCART	600115.09	4134678.99	26.49	26.49
DISCCART	600107.59	4134670.81	26.53	26.53
DISCCART	600100.10	4134662.63	26.58	26.58
DISCCART	600092.60	4134654.45	26.67	26.67
DISCCART	600085.10	4134646.27	26.80	26.80
DISCCART	600077.61	4134638.09	26.82	26.82
DISCCART	600074.95	4134628.56	26.82	26.82
DISCCART	600077.14	4134617.69	26.82	26.82
DISCCART	600079.33	4134606.81	26.92	26.92
DISCCART	600081.52	4134595.93	27.03	27.03
DISCCART	600083.70	4134585.06	27.14	27.14
DISCCART	600085.89	4134574.18	27.25	27.25
DISCCART	600088.08	4134563.30	27.36	27.36
DISCCART	600090.27	4134552.43	27.40	27.40
DISCCART	600092.46	4134541.55	27.33	27.33
DISCCART	600094.64	4134530.67	27.27	27.27
DISCCART	600194.81	4134754.51	26.31	26.31
DISCCART	600113.15	4134695.73	26.32	26.32
DISCCART	600105.57	4134687.46	26.41	26.41
DISCCART	600098.00	4134679.19	26.49	26.49
DISCCART	600090.42	4134670.92	26.56	26.56
DISCCART	600082.84	4134662.65	26.66	26.66
DISCCART	600075.26	4134654.38	26.74	26.74
DISCCART	600067.68	4134646.11	26.82	26.82
DISCCART	600061.20	4134632.34	26.82	26.82
DISCCART	600063.42	4134621.34	26.82	26.82
DISCCART	600065.63	4134610.34	26.88	26.88
DISCCART	600067.84	4134599.34	27.00	27.00
DISCCART	600070.05	4134588.35	27.11	27.11
DISCCART	600072.26	4134577.35	27.19	27.19
DISCCART	600074.48	4134566.35	27.27	27.27
DISCCART	600076.69	4134555.35	27.36	27.36
DISCCART	600078.90	4134544.35	27.28	27.28
DISCCART	600089.96	4134489.36	27.13	27.13
DISCCART	600189.79	4134767.89	26.38	26.38
DISCCART	600103.73	4134704.29	26.23	26.23
DISCCART	600096.08	4134695.94	26.32	26.32
DISCCART	600088.42	4134687.59	26.40	26.40
DISCCART	600080.77	4134679.24	26.49	26.49
DISCCART	600073.12	4134670.89	26.57	26.57
DISCCART	600065.47	4134662.54	26.66	26.66
DISCCART	600057.81	4134654.19	26.74	26.74
DISCCART	600050.16	4134645.84	26.82	26.82
DISCCART	600047.45	4134636.12	26.82	26.82
DISCCART	600049.69	4134625.01	26.82	26.82
DISCCART	600051.92	4134613.91	26.85	26.85
DISCCART	600054.15	4134602.81	26.96	26.96
DISCCART	600056.39	4134591.70	27.07	27.07
DISCCART	600058.62	4134580.60	27.14	27.14
DISCCART	600060.85	4134569.50	27.17	27.17
DISCCART	600063.09	4134558.39	27.22	27.22
DISCCART	600078.72	4134480.67	27.08	27.08
DISCCART	600174.11	4134777.27	26.22	26.22
DISCCART	600184.78	4134781.27	26.33	26.33
DISCCART	600155.71	4134795.65	26.21	26.21

DISCCART	600086.46	4134720.08	26.07	26.07
DISCCART	600078.76	4134711.69	26.16	26.16
DISCCART	600071.07	4134703.29	26.25	26.25
DISCCART	600063.37	4134694.89	26.33	26.33
DISCCART	600055.68	4134686.50	26.42	26.42
DISCCART	600047.98	4134678.10	26.50	26.50
DISCCART	600040.29	4134669.70	26.59	26.59
DISCCART	600032.59	4134661.31	26.67	26.67
DISCCART	600024.90	4134652.91	26.76	26.76
DISCCART	600022.17	4134643.13	26.82	26.82
DISCCART	600024.42	4134631.97	26.82	26.82
DISCCART	600026.66	4134620.80	26.82	26.82
DISCCART	600028.91	4134609.64	26.89	26.89
DISCCART	600031.15	4134598.47	27.01	27.01
DISCCART	600042.38	4134542.64	27.13	27.13
DISCCART	600044.63	4134531.48	27.13	27.13
DISCCART	600046.88	4134520.31	27.06	27.06
DISCCART	600058.10	4134464.49	26.87	26.87
DISCCART	600164.89	4134801.84	26.20	26.20
DISCCART	600175.56	4134805.84	26.23	26.23
DISCCART	600146.57	4134820.31	26.00	26.00
DISCCART	600139.03	4134812.08	26.01	26.01
DISCCART	600071.17	4134738.03	25.91	25.91
DISCCART	600063.63	4134729.81	25.98	25.98
DISCCART	600056.09	4134721.58	26.06	26.06
DISCCART	600048.54	4134713.35	26.14	26.14
DISCCART	600041.00	4134705.12	26.23	26.23
DISCCART	600033.46	4134696.90	26.31	26.31
DISCCART	600025.92	4134688.67	26.39	26.39
DISCCART	600018.38	4134680.44	26.48	26.48
DISCCART	600010.84	4134672.21	26.56	26.56
DISCCART	600003.30	4134663.99	26.64	26.64
DISCCART	599996.86	4134650.29	26.78	26.78
DISCCART	599999.06	4134639.35	26.82	26.82
DISCCART	600001.26	4134628.41	26.82	26.82
DISCCART	600010.07	4134584.64	27.13	27.13
DISCCART	600012.27	4134573.70	27.13	27.13
DISCCART	600014.47	4134562.76	27.13	27.13
DISCCART	600016.67	4134551.82	27.13	27.13
DISCCART	600018.87	4134540.88	27.13	27.13
DISCCART	600021.07	4134529.94	27.13	27.13
DISCCART	600023.27	4134518.99	27.05	27.05
DISCCART	600025.47	4134508.05	26.94	26.94
DISCCART	600027.67	4134497.11	26.83	26.83
DISCCART	600038.68	4134442.41	26.68	26.68
DISCCART	600155.67	4134826.42	26.04	26.04
DISCCART	600166.34	4134830.42	26.10	26.10
DISCCART	600137.33	4134844.86	25.70	25.70
DISCCART	600129.75	4134836.59	25.71	25.71
DISCCART	600053.90	4134753.83	25.91	25.91
DISCCART	600046.32	4134745.56	25.91	25.91
DISCCART	600038.73	4134737.28	25.91	25.91
DISCCART	600031.15	4134729.01	25.98	25.98
DISCCART	600023.57	4134720.73	26.07	26.07
DISCCART	600015.98	4134712.46	26.15	26.15
DISCCART	600008.40	4134704.18	26.24	26.24
DISCCART	600000.81	4134695.90	26.32	26.32
DISCCART	599993.23	4134687.63	26.40	26.40
DISCCART	599985.64	4134679.35	26.49	26.49
DISCCART	599978.06	4134671.08	26.54	26.54
DISCCART	599980.44	4134613.28	26.84	26.84
DISCCART	599982.65	4134602.28	26.92	26.92
DISCCART	599984.86	4134591.27	27.01	27.01
DISCCART	599987.08	4134580.27	27.08	27.08

DISCCART	599989.29	4134569.26	27.11	27.11
DISCCART	599991.50	4134558.26	27.13	27.13
DISCCART	599993.72	4134547.25	27.13	27.13
DISCCART	599995.93	4134536.25	27.13	27.13
DISCCART	599998.14	4134525.24	27.11	27.11
DISCCART	600018.07	4134426.20	26.52	26.52
DISCCART	600146.46	4134851.00	25.69	25.69
DISCCART	600157.12	4134855.00	25.76	25.76
DISCCART	600128.10	4134869.42	25.41	25.41
DISCCART	600120.48	4134861.11	25.52	25.52
DISCCART	600112.85	4134852.79	25.60	25.60
DISCCART	600036.64	4134769.63	25.88	25.88
DISCCART	600029.02	4134761.32	25.91	25.91
DISCCART	600021.40	4134753.00	25.91	25.91
DISCCART	600013.78	4134744.69	25.91	25.91
DISCCART	600006.16	4134736.37	25.91	25.91
DISCCART	599998.54	4134728.06	25.99	25.99
DISCCART	599990.91	4134719.74	26.08	26.08
DISCCART	599983.29	4134711.42	26.16	26.16
DISCCART	599975.67	4134703.11	26.25	26.25
DISCCART	599968.05	4134694.79	26.33	26.33
DISCCART	599960.43	4134686.48	26.42	26.42
DISCCART	599950.75	4134642.20	26.56	26.56
DISCCART	599952.97	4134631.14	26.67	26.67
DISCCART	599955.20	4134620.08	26.79	26.79
DISCCART	599957.42	4134609.03	26.82	26.82
DISCCART	599959.64	4134597.97	26.82	26.82
DISCCART	599961.87	4134586.91	26.82	26.82
DISCCART	599964.09	4134575.85	26.94	26.94
DISCCART	599966.32	4134564.79	27.05	27.05
DISCCART	599968.54	4134553.73	27.13	27.13
DISCCART	599970.77	4134542.68	27.13	27.13
DISCCART	599972.99	4134531.62	27.13	27.13
DISCCART	599975.21	4134520.56	27.07	27.07
DISCCART	599997.46	4134409.98	26.52	26.52
DISCCART	600137.24	4134875.58	25.37	25.37
DISCCART	600147.91	4134879.58	25.42	25.42
** DESCRREC	" "	" "		
DISCCART	600234.60	4134518.59	26.27	26.27
DISCCART	600240.83	4134506.74	26.28	26.28
DISCCART	600368.01	4134352.14	26.92	26.92
DISCCART	600360.52	4134362.73	26.89	26.89
DISCCART	600246.44	4134527.32	26.09	26.09
DISCCART	600253.92	4134517.34	26.03	26.03
DISCCART	600364.27	4134369.59	26.78	26.78
DISCCART	600373.62	4134358.99	26.79	26.79
DISCCART	600612.70	4134331.32	26.52	26.52
DISCCART	600644.75	4134278.94	26.82	26.82
DISCCART	600664.13	4134289.94	26.68	26.68
DISCCART	600632.79	4134344.48	26.52	26.52
DISCCART	600622.27	4134338.26	26.52	26.52
DISCCART	600627.53	4134305.73	26.63	26.63
DISCCART	600647.14	4134318.88	26.52	26.52
DISCCART	600619.87	4134318.88	26.52	26.52
DISCCART	600640.45	4134331.08	26.52	26.52
DISCCART	600629.20	4134325.58	26.52	26.52
DISCCART	600636.62	4134312.42	26.56	26.56
DISCCART	600636.14	4134292.33	26.76	26.76
DISCCART	600646.90	4134298.07	26.70	26.70
DISCCART	600656.23	4134303.81	26.62	26.62
DISCCART	600654.56	4134283.24	26.81	26.81
DISCCART	600589.73	4134278.46	26.55	26.55

RE FINISHED

**

** AERMOD METEOROLOGY PATHWAY

**

**

ME STARTING

SURFFILE "J:\PROJECTS\BART SILICON VALLEY SANTA CLARA EXT 2013-002\AIR
QUALITY\DISPERSIONMODELING\METDATA\ALVISO_AERMOD_READY\ALVISOMETDATA.SFC"
PROFFILE "J:\PROJECTS\BART SILICON VALLEY SANTA CLARA EXT 2013-002\AIR
QUALITY\DISPERSIONMODELING\METDATA\ALVISO_AERMOD_READY\ALVISOMETDATA.PFL"
SURFDATA 23293 1998
UAIRDATA 23230 1998 OAKLAND/WSO_AP
SITEDATA 7905 1998
PROFBASE 10.0 METERS

ME FINISHED

**

** AERMOD OUTPUT PATHWAY

**

**

OU STARTING

RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
RECTABLE 8 1ST
RECTABLE 24 1ST

** AUTO-GENERATED PLOTFILES

PLOTFILE 1 ALL 1ST BARTFACILITIES.AD\01H1GALL.PLT 31
PLOTFILE 8 ALL 1ST BARTFACILITIES.AD\08H1GALL.PLT 32
PLOTFILE 24 ALL 1ST BARTFACILITIES.AD\24H1GALL.PLT 33
PLOTFILE PERIOD ALL BARTFACILITIES.AD\PE00GALL.PLT 34
SUMMFILE BARTFACILITIES.SUM

OU FINISHED

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
*** 01/05/16
*** AERMET - VERSION 15181 *** ***
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**MODELOPTs: RegDEFAULT CONC ELEV

*** 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:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: Q/CHI

**Model Calculates 3 Short Term Average(s) of: 1-HR 8-HR 24-HR
and Calculates PERIOD Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 2938 Receptor(s)

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

**The AERMET Input Meteorological Data Version Date: 15181

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 10.00 ; 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 = 4.0 MB of RAM.

**Detailed Error/Message File:

BARTFACILITIES.ERR

**File for Summary of Results:

BARTFACILITIES.SUM

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
*** 01/05/16
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**MODELOPTs: RegDEFAULT CONC ELEV

*** AREAPOLY SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER (GRAMS/SEC /METER**2)	EMISSION RATE	LOCATION OF AREA X (METERS)	LOCATION OF AREA Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
CON_ZONE	0	0.14069E-04		600239.0	4134588.0	25.9	6.80	21	3.40	NO	HROFDY

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
*** 01/05/16
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**MODELOPTs: RegDEFAULT CONC ELEV

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID SOURCE IDs

ALL CON_ZONE ,

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

Table with 12 columns: HOUR, SCALAR, HOUR, SCALAR, HOUR, SCALAR, HOUR, SCALAR, HOUR, SCALAR, HOUR, SCALAR

SOURCE ID = CON_ZONE ; SOURCE TYPE = AREAPOLY :

1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .00000E+00 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

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

(600272.4, 4134683.2, 27.6, 27.6, 0.0); (600265.3, 4134682.9, 27.4, 27.4, 0.0);
(600258.1, 4134682.6, 27.4, 27.4, 0.0); (600274.6, 4134690.1, 27.5, 27.5, 0.0);
(600261.0, 4134689.5, 27.3, 27.3, 0.0); (600247.3, 4134688.9, 27.2, 27.2, 0.0);
(600291.2, 4134700.3, 27.8, 27.8, 0.0); (600278.2, 4134703.9, 27.5, 27.5, 0.0);
(600271.2, 4134703.6, 27.3, 27.3, 0.0); (600264.2, 4134703.2, 27.2, 27.2, 0.0);
(600257.1, 4134702.9, 27.1, 27.1, 0.0); (600250.1, 4134702.6, 27.1, 27.1, 0.0);
(600243.0, 4134702.3, 27.0, 27.0, 0.0); (600236.0, 4134702.0, 26.9, 26.9, 0.0);
(600301.1, 4134710.1, 27.9, 27.9, 0.0); (600295.1, 4134714.0, 27.7, 27.7, 0.0);
(600281.9, 4134717.6, 27.4, 27.4, 0.0); (600274.7, 4134717.3, 27.3, 27.3, 0.0);
(600267.5, 4134717.0, 27.2, 27.2, 0.0); (600260.2, 4134716.7, 27.1, 27.1, 0.0);
(600253.1, 4134716.3, 27.0, 27.0, 0.0); (600245.9, 4134716.0, 26.9, 26.9, 0.0);

26.9, (600238.7, 4134715.7, 26.8, 0.0);	26.9, (600224.2, 4134715.0, 26.7, 0.0);	26.9, (600305.1, 4134723.7, 27.9, 0.0);	26.9, (600285.5, 4134731.4, 27.4, 0.0);	0.0);	(600231.5, 4134715.4, 26.8,
26.8, 0.0);	26.7, 0.0);	27.9, 0.0);	27.4, 0.0);	0.0);	(600311.2, 4134719.7, 28.2,
28.2, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600299.0, 4134727.7, 27.7,
(600305.1, 4134723.7, 27.7, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600278.2, 4134731.1, 27.3,
(600285.5, 4134731.4, 27.3, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600263.5, 4134730.4, 27.1,
(600270.8, 4134730.8, 27.1, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600248.8, 4134729.8, 27.0,
(600256.2, 4134730.1, 27.0, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600234.2, 4134729.1, 26.8,
(600241.5, 4134729.4, 26.8, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600219.5, 4134728.4, 26.6,
(600226.8, 4134728.8, 26.6, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600321.5, 4134729.2, 28.4,
(600212.2, 4134728.1, 28.4, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600309.1, 4134737.3, 27.9,
(600315.3, 4134733.2, 27.9, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600289.2, 4134745.2, 27.4,
(600302.9, 4134741.4, 27.4, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600274.3, 4134744.5, 27.2,
(600281.7, 4134744.9, 27.2, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600259.4, 4134743.8, 27.1,
(600266.8, 4134744.2, 27.1, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600244.5, 4134743.2, 26.9,
(600251.9, 4134743.5, 26.9, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600229.6, 4134742.5, 26.8,
(600237.1, 4134742.8, 26.8, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600214.7, 4134741.8, 26.5,
(600222.2, 4134742.1, 26.5, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600332.0, 4134738.6, 28.6,
(600207.3, 4134741.5, 28.6, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600319.3, 4134746.9, 28.2,
(600325.6, 4134742.7, 28.2, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600306.7, 4134755.2, 27.8,
(600313.0, 4134751.0, 27.8, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600285.3, 4134758.6, 27.4,
(600292.9, 4134759.0, 27.4, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600270.2, 4134757.9, 27.2,
(600277.8, 4134758.3, 27.2, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600255.2, 4134757.2, 27.1,
(600262.7, 4134757.6, 27.1, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600240.1, 4134756.6, 26.9,
(600247.6, 4134756.9, 26.9, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600225.0, 4134755.9, 26.7,
(600232.5, 4134756.2, 26.7, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600209.9, 4134755.2, 26.5,
(600217.4, 4134755.5, 26.5, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600346.1, 4134745.6, 29.0,
(600202.4, 4134754.9, 29.0, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600334.1, 4134753.4, 28.6,
(600340.1, 4134749.5, 28.6, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600322.1, 4134761.3, 28.3,
(600328.1, 4134757.4, 28.3, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600310.2, 4134769.1, 27.9,
(600316.2, 4134765.2, 27.9, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600289.9, 4134772.4, 27.4,
(600297.0, 4134772.8, 27.4, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600275.6, 4134771.8, 27.3,
(600282.7, 4134772.1, 27.3, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600261.3, 4134771.1, 27.1,
(600268.4, 4134771.5, 27.2, 0.0);	26.9, 0.0);	27.7, 0.0);	27.4, 0.0);	0.0);	(600261.3, 4134771.1, 27.1,

27.1, 0.0);
 (600254.1, 4134770.8, 27.0, 27.0, 0.0); (600247.0, 4134770.5, 27.0,
 27.0, 0.0);
 (600239.8, 4134770.2, 26.9, 26.9, 0.0); (600232.7, 4134769.8, 26.8,
 26.8, 0.0);

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFault CONC ELEV

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

(600225.5, 4134769.5, 26.7, 26.7, 0.0); (600218.4, 4134769.2, 26.7,
 26.7, 0.0);
 (600211.2, 4134768.9, 26.6, 26.6, 0.0); (600204.1, 4134768.5, 26.5,
 26.5, 0.0);
 (600196.9, 4134768.2, 26.4, 26.4, 0.0); (600350.4, 4134759.0, 29.0,
 29.0, 0.0);
 (600344.3, 4134762.9, 28.8, 28.8, 0.0); (600338.3, 4134766.9, 28.7,
 28.7, 0.0);
 (600332.2, 4134770.9, 28.5, 28.5, 0.0); (600326.2, 4134774.9, 28.3,
 28.3, 0.0);
 (600320.1, 4134778.9, 28.2, 28.2, 0.0); (600314.0, 4134782.9, 28.0,
 28.0, 0.0);
 (600300.7, 4134786.5, 27.8, 27.8, 0.0); (600293.5, 4134786.2, 27.6,
 27.6, 0.0);
 (600286.2, 4134785.9, 27.5, 27.5, 0.0); (600279.0, 4134785.5, 27.4,
 27.4, 0.0);
 (600271.7, 4134785.2, 27.3, 27.3, 0.0); (600264.5, 4134784.9, 27.2,
 27.2, 0.0);
 (600257.2, 4134784.6, 27.1, 27.1, 0.0); (600250.0, 4134784.2, 27.0,
 27.0, 0.0);
 (600242.8, 4134783.9, 26.9, 26.9, 0.0); (600235.5, 4134783.6, 26.9,
 26.9, 0.0);
 (600228.3, 4134783.2, 26.8, 26.8, 0.0); (600221.0, 4134782.9, 26.7,
 26.7, 0.0);
 (600213.8, 4134782.6, 26.6, 26.6, 0.0); (600206.5, 4134782.2, 26.6,
 26.6, 0.0);
 (600199.3, 4134781.9, 26.5, 26.5, 0.0); (600192.0, 4134781.6, 26.4,
 26.4, 0.0);
 (600307.6, 4134811.8, 27.7, 27.7, 0.0); (600300.2, 4134811.5, 27.6,
 27.6, 0.0);
 (600292.9, 4134811.2, 27.6, 27.6, 0.0); (600285.6, 4134810.8, 27.5,
 27.5, 0.0);
 (600278.2, 4134810.5, 27.4, 27.4, 0.0); (600270.9, 4134810.2, 27.2,
 27.2, 0.0);
 (600263.6, 4134809.8, 27.1, 27.1, 0.0); (600256.2, 4134809.5, 27.0,
 27.0, 0.0);
 (600248.9, 4134809.2, 26.9, 26.9, 0.0); (600241.6, 4134808.8, 26.8,
 26.8, 0.0);
 (600234.2, 4134808.5, 26.7, 26.7, 0.0); (600226.9, 4134808.2, 26.6,
 26.6, 0.0);
 (600219.6, 4134807.8, 26.6, 26.6, 0.0); (600212.2, 4134807.5, 26.5,
 26.5, 0.0);
 (600204.9, 4134807.2, 26.4, 26.4, 0.0); (600197.6, 4134806.8, 26.4,
 26.4, 0.0);
 (600190.2, 4134806.5, 26.3, 26.3, 0.0); (600182.9, 4134806.2, 26.3,
 26.3, 0.0);
 (600292.2, 4134836.1, 27.1, 27.1, 0.0); (600284.8, 4134835.8, 27.1,

27.1, 0.0);						
(600277.4, 4134835.5,	27.1,	27.1,	0.0);	(600270.0, 4134835.1,	27.0,	
27.0, 0.0);						
(600262.6, 4134834.8,	26.9,	26.9,	0.0);	(600255.2, 4134834.5,	26.9,	
26.9, 0.0);						
(600247.8, 4134834.1,	26.7,	26.7,	0.0);	(600240.4, 4134833.8,	26.6,	
26.6, 0.0);						
(600233.0, 4134833.4,	26.5,	26.5,	0.0);	(600225.6, 4134833.1,	26.4,	
26.4, 0.0);						
(600218.2, 4134832.8,	26.4,	26.4,	0.0);	(600210.8, 4134832.4,	26.3,	
26.3, 0.0);						
(600203.4, 4134832.1,	26.2,	26.2,	0.0);	(600196.0, 4134831.8,	26.2,	
26.2, 0.0);						
(600188.6, 4134831.4,	26.2,	26.2,	0.0);	(600181.2, 4134831.1,	26.2,	
26.2, 0.0);						
(600173.8, 4134830.8,	26.2,	26.2,	0.0);	(600269.1, 4134860.1,	26.4,	
26.4, 0.0);						
(600261.6, 4134859.8,	26.4,	26.4,	0.0);	(600254.2, 4134859.4,	26.5,	
26.5, 0.0);						
(600246.7, 4134859.1,	26.5,	26.5,	0.0);	(600239.2, 4134858.7,	26.5,	
26.5, 0.0);						
(600231.8, 4134858.4,	26.5,	26.5,	0.0);	(600224.3, 4134858.0,	26.4,	
26.4, 0.0);						
(600216.9, 4134857.7,	26.3,	26.3,	0.0);	(600209.4, 4134857.4,	26.3,	
26.3, 0.0);						
(600201.9, 4134857.0,	26.2,	26.2,	0.0);	(600194.5, 4134856.7,	26.1,	
26.1, 0.0);						
(600187.0, 4134856.4,	26.1,	26.1,	0.0);	(600179.5, 4134856.0,	26.0,	
26.0, 0.0);						
(600172.1, 4134855.7,	25.9,	25.9,	0.0);	(600164.6, 4134855.3,	25.8,	
25.8, 0.0);						
(600253.1, 4134884.4,	25.9,	25.9,	0.0);	(600245.6, 4134884.0,	26.0,	
26.0, 0.0);						
(600238.1, 4134883.7,	26.0,	26.0,	0.0);	(600230.6, 4134883.3,	26.0,	
26.0, 0.0);						
(600223.1, 4134883.0,	26.0,	26.0,	0.0);	(600215.5, 4134882.6,	26.0,	
26.0, 0.0);						
(600208.0, 4134882.3,	26.0,	26.0,	0.0);	(600200.5, 4134882.0,	25.9,	
25.9, 0.0);						
(600193.0, 4134881.6,	25.9,	25.9,	0.0);	(600185.5, 4134881.3,	25.8,	
25.8, 0.0);						
(600178.0, 4134880.9,	25.7,	25.7,	0.0);	(600170.5, 4134880.6,	25.6,	
25.6, 0.0);						

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600162.9, 4134880.3,	25.6,	25.6,	0.0);	(600155.4, 4134879.9,	25.5,	
25.5, 0.0);						
(600492.9, 4134784.8,	29.6,	29.6,	0.0);	(600497.7, 4134778.9,	29.5,	
29.5, 0.0);						
(600502.5, 4134772.9,	29.5,	29.5,	0.0);	(600507.2, 4134767.0,	29.4,	
29.4, 0.0);						
(600512.0, 4134761.0,	29.2,	29.2,	0.0);	(600516.8, 4134755.1,	29.0,	
29.0, 0.0);						
(600521.5, 4134749.2,	28.8,	28.8,	0.0);	(600526.3, 4134743.2,	28.6,	

28.6,	0.0);						
(600531.1,	4134737.3,	28.4,	28.4,	0.0);	(600535.8,	4134731.3,	28.4,
28.4,	0.0);						
(600540.6,	4134725.4,	28.4,	28.4,	0.0);	(600545.4,	4134719.5,	28.3,
28.3,	0.0);						
(600550.1,	4134713.5,	28.3,	28.3,	0.0);	(600554.9,	4134707.6,	28.3,
28.3,	0.0);						
(600559.6,	4134701.6,	28.2,	28.2,	0.0);	(600564.4,	4134695.7,	28.1,
28.1,	0.0);						
(600569.2,	4134689.8,	28.2,	28.2,	0.0);	(600573.9,	4134683.8,	28.2,
28.2,	0.0);						
(600284.8,	4134706.4,	27.6,	27.6,	0.0);	(600298.5,	4134750.3,	27.6,
27.6,	0.0);						
(600322.3,	4134768.7,	28.3,	28.3,	0.0);	(600266.3,	4134791.8,	27.2,
27.2,	0.0);						
(600272.2,	4134796.4,	27.3,	27.3,	0.0);	(600278.2,	4134801.0,	27.4,
27.4,	0.0);						
(600184.7,	4134761.7,	26.3,	26.3,	0.0);	(600202.6,	4134775.5,	26.5,
26.5,	0.0);						
(600226.4,	4134794.0,	26.8,	26.8,	0.0);	(600232.4,	4134798.6,	26.8,
26.8,	0.0);						
(600256.2,	4134817.1,	27.0,	27.0,	0.0);	(600262.1,	4134821.7,	27.1,
27.1,	0.0);						
(600268.1,	4134826.3,	27.2,	27.2,	0.0);	(600255.5,	4134443.2,	26.5,
26.5,	0.0);						
(600250.5,	4134450.2,	26.4,	26.4,	0.0);	(600234.2,	4134428.0,	26.5,
26.5,	0.0);						
(600229.2,	4134435.0,	26.6,	26.6,	0.0);	(600212.8,	4134412.7,	26.7,
26.7,	0.0);						
(600207.8,	4134419.7,	26.8,	26.8,	0.0);	(600295.2,	4134734.8,	27.5,
27.5,	0.0);						
(600288.2,	4134723.5,	27.5,	27.5,	0.0);	(600328.4,	4134784.0,	28.2,
28.2,	0.0);						
(600304.0,	4134795.6,	27.8,	27.8,	0.0);	(600241.5,	4134693.9,	27.1,
27.1,	0.0);						
(600247.5,	4134463.1,	26.4,	26.4,	0.0);	(600313.0,	4134805.2,	27.8,
27.8,	0.0);						
(600188.4,	4134609.4,	26.8,	26.8,	0.0);	(600212.6,	4134506.0,	26.6,
26.6,	0.0);						
(600215.6,	4134493.1,	26.7,	26.7,	0.0);	(600218.6,	4134480.2,	26.7,
26.7,	0.0);						
(600221.6,	4134467.3,	26.6,	26.6,	0.0);	(600224.6,	4134454.4,	26.6,
26.6,	0.0);						
(600292.1,	4134822.4,	27.5,	27.5,	0.0);	(600248.8,	4134798.4,	27.0,
27.0,	0.0);						
(600156.5,	4134639.4,	26.7,	26.7,	0.0);	(600159.5,	4134626.5,	26.8,
26.8,	0.0);						
(600162.5,	4134613.5,	26.8,	26.8,	0.0);	(600165.5,	4134600.6,	26.9,
26.9,	0.0);						
(600177.6,	4134548.9,	26.4,	26.4,	0.0);	(600180.6,	4134536.0,	26.4,
26.4,	0.0);						
(600183.6,	4134523.1,	26.5,	26.5,	0.0);	(600186.7,	4134510.2,	26.7,
26.7,	0.0);						
(600189.7,	4134497.2,	26.9,	26.9,	0.0);	(600192.7,	4134484.3,	27.0,
27.0,	0.0);						
(600195.7,	4134471.4,	27.0,	27.0,	0.0);	(600198.8,	4134458.5,	26.9,
26.9,	0.0);						
(600201.8,	4134445.6,	26.9,	26.9,	0.0);	(600204.8,	4134432.6,	26.8,
26.8,	0.0);						
(600276.6,	4134843.7,	26.8,	26.8,	0.0);	(600494.0,	4134792.4,	29.6,
29.6,	0.0);						
(600484.2,	4134805.2,	29.7,	29.7,	0.0);	(600494.0,	4134806.7,	29.4,
29.4,	0.0);						
(600484.3,	4134819.5,	29.5,	29.5,	0.0);	(600494.0,	4134821.0,	29.2,

29.2,	0.0);						
(600534.7,	4134711.4,	28.8,	28.8,	0.0);	(600542.7,	4134708.4,	28.6,
28.6,	0.0);						
(600528.1,	4134727.2,	28.6,	28.6,	0.0);	(600547.4,	4134737.0,	27.9,
27.9,	0.0);						
(600539.2,	4134738.9,	28.2,	28.2,	0.0);	(600514.5,	4134744.7,	28.9,
28.9,	0.0);						
(600555.5,	4134734.0,	27.7,	27.7,	0.0);	(600553.6,	4134749.8,	27.9,
27.9,	0.0);						
(600545.1,	4134751.8,	28.1,	28.1,	0.0);	(600536.6,	4134753.8,	28.4,
28.4,	0.0);						
(600528.1,	4134755.8,	28.7,	28.7,	0.0);	(600561.9,	4134746.8,	27.6,
27.6,	0.0);						
(600560.1,	4134762.5,	27.8,	27.8,	0.0);	(600551.9,	4134764.5,	28.1,
28.1,	0.0);						
(600543.6,	4134766.4,	28.3,	28.3,	0.0);	(600535.3,	4134768.4,	28.6,
28.6,	0.0);						

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

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*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600527.1,	4134770.3,	28.8,	28.8,	0.0);	(600518.8,	4134772.3,	29.0,
29.0,	0.0);						
(600510.5,	4134774.2,	29.3,	29.3,	0.0);	(600568.3,	4134759.5,	27.6,
27.6,	0.0);						
(600566.4,	4134775.3,	27.6,	27.6,	0.0);	(600557.9,	4134777.3,	27.8,
27.8,	0.0);						
(600549.4,	4134779.4,	28.0,	28.0,	0.0);	(600540.9,	4134781.4,	28.3,
28.3,	0.0);						
(600532.3,	4134783.4,	28.5,	28.5,	0.0);	(600523.8,	4134785.4,	28.7,
28.7,	0.0);						
(600515.3,	4134787.4,	29.0,	29.0,	0.0);	(600506.8,	4134789.4,	29.2,
29.2,	0.0);						
(600574.7,	4134772.3,	27.5,	27.5,	0.0);	(600572.9,	4134788.1,	27.4,
27.4,	0.0);						
(600564.6,	4134790.0,	27.5,	27.5,	0.0);	(600556.3,	4134792.0,	27.7,
27.7,	0.0);						
(600548.0,	4134794.0,	27.9,	27.9,	0.0);	(600539.7,	4134795.9,	28.2,
28.2,	0.0);						
(600531.4,	4134797.9,	28.4,	28.4,	0.0);	(600523.1,	4134799.8,	28.6,
28.6,	0.0);						
(600514.8,	4134801.8,	28.9,	28.9,	0.0);	(600506.5,	4134803.8,	29.1,
29.1,	0.0);						
(600581.1,	4134785.1,	27.2,	27.2,	0.0);	(600579.2,	4134800.9,	27.1,
27.1,	0.0);						
(600570.7,	4134802.9,	27.3,	27.3,	0.0);	(600562.2,	4134804.9,	27.5,
27.5,	0.0);						
(600553.6,	4134806.9,	27.7,	27.7,	0.0);	(600545.1,	4134808.9,	28.0,
28.0,	0.0);						
(600536.6,	4134810.9,	28.2,	28.2,	0.0);	(600528.1,	4134813.0,	28.5,
28.5,	0.0);						
(600519.6,	4134815.0,	28.7,	28.7,	0.0);	(600511.0,	4134817.0,	28.9,
28.9,	0.0);						
(600502.5,	4134819.0,	29.1,	29.1,	0.0);	(600587.4,	4134797.9,	26.9,
26.9,	0.0);						
(600591.0,	4134824.4,	27.1,	27.1,	0.0);	(600582.5,	4134826.3,	27.2,

27.2,	0.0);						
(600574.1,	4134828.3,	27.3,	27.3,	0.0);	(600565.7,	4134830.3,	27.4,
27.4,	0.0);						
(600557.2,	4134832.3,	27.6,	27.6,	0.0);	(600548.8,	4134834.3,	27.8,
27.8,	0.0);						
(600540.4,	4134836.3,	28.1,	28.1,	0.0);	(600531.9,	4134838.3,	28.2,
28.2,	0.0);						
(600523.5,	4134840.3,	28.4,	28.4,	0.0);	(600515.1,	4134842.3,	28.5,
28.5,	0.0);						
(600506.7,	4134844.3,	28.5,	28.5,	0.0);	(600599.2,	4134821.4,	26.9,
26.9,	0.0);						
(600602.6,	4134847.9,	26.7,	26.7,	0.0);	(600593.9,	4134849.9,	26.9,
26.9,	0.0);						
(600585.2,	4134852.0,	27.0,	27.0,	0.0);	(600576.5,	4134854.0,	27.2,
27.2,	0.0);						
(600567.8,	4134856.1,	27.3,	27.3,	0.0);	(600559.2,	4134858.1,	27.5,
27.5,	0.0);						
(600550.5,	4134860.2,	27.7,	27.7,	0.0);	(600541.8,	4134862.2,	27.8,
27.8,	0.0);						
(600533.1,	4134864.3,	27.9,	27.9,	0.0);	(600610.9,	4134844.8,	26.6,
26.6,	0.0);						
(600614.4,	4134871.3,	26.4,	26.4,	0.0);	(600605.8,	4134873.4,	26.6,
26.6,	0.0);						
(600597.2,	4134875.4,	26.7,	26.7,	0.0);	(600588.6,	4134877.4,	26.9,
26.9,	0.0);						
(600580.0,	4134879.4,	27.1,	27.1,	0.0);	(600571.4,	4134881.5,	27.3,
27.3,	0.0);						
(600562.8,	4134883.5,	27.4,	27.4,	0.0);	(600554.2,	4134885.5,	27.4,
27.4,	0.0);						
(600622.7,	4134868.3,	26.2,	26.2,	0.0);	(600626.1,	4134894.8,	26.3,
26.3,	0.0);						
(600617.6,	4134896.8,	26.4,	26.4,	0.0);	(600609.1,	4134898.8,	26.6,
26.6,	0.0);						
(600600.6,	4134900.8,	26.7,	26.7,	0.0);	(600592.0,	4134902.9,	26.8,
26.8,	0.0);						
(600583.5,	4134904.9,	26.9,	26.9,	0.0);	(600575.0,	4134906.9,	26.9,
26.9,	0.0);						
(600634.4,	4134891.8,	26.1,	26.1,	0.0);	(600572.6,	4134652.2,	27.7,
27.7,	0.0);						
(600573.3,	4134662.5,	27.9,	27.9,	0.0);	(600578.1,	4134656.8,	27.8,
27.8,	0.0);						
(600582.8,	4134651.1,	27.7,	27.7,	0.0);	(600587.6,	4134645.4,	27.7,
27.7,	0.0);						
(600592.3,	4134639.7,	27.5,	27.5,	0.0);	(600597.1,	4134634.0,	27.4,
27.4,	0.0);						
(600601.8,	4134628.3,	27.3,	27.3,	0.0);	(600606.6,	4134622.6,	27.2,
27.2,	0.0);						
(600611.3,	4134617.0,	27.2,	27.2,	0.0);	(600616.1,	4134611.3,	27.2,
27.2,	0.0);						
(600620.8,	4134605.6,	27.3,	27.3,	0.0);	(600625.6,	4134599.9,	27.3,
27.3,	0.0);						
(600630.3,	4134594.2,	27.3,	27.3,	0.0);	(600635.1,	4134588.5,	27.3,
27.3,	0.0);						
(600639.8,	4134582.8,	27.3,	27.3,	0.0);	(600564.3,	4134682.4,	28.3,
28.3,	0.0);						

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*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(600554.4, 4134690.3, 28.3, 28.3, 0.0);	(600574.1, 4134672.8, 28.2,
28.2, 0.0);	0.0);
(600578.8, 4134667.1, 28.0, 28.0, 0.0);	(600583.6, 4134661.4, 27.9,
27.9, 0.0);	0.0);
(600588.3, 4134655.7, 27.8, 27.8, 0.0);	(600593.1, 4134650.0, 27.8,
27.8, 0.0);	0.0);
(600597.8, 4134644.3, 27.7, 27.7, 0.0);	(600602.6, 4134638.6, 27.6,
27.6, 0.0);	0.0);
(600607.3, 4134632.9, 27.4, 27.4, 0.0);	(600612.1, 4134627.2, 27.4,
27.4, 0.0);	0.0);
(600616.8, 4134621.5, 27.4, 27.4, 0.0);	(600621.6, 4134615.8, 27.4,
27.4, 0.0);	0.0);
(600626.3, 4134610.1, 27.4, 27.4, 0.0);	(600631.1, 4134604.4, 27.3,
27.3, 0.0);	0.0);
(600635.8, 4134598.8, 27.3, 27.3, 0.0);	(600640.6, 4134593.1, 27.3,
27.3, 0.0);	0.0);
(600645.3, 4134587.4, 27.4, 27.4, 0.0);	(600650.1, 4134581.7, 27.4,
27.4, 0.0);	0.0);
(600654.8, 4134576.0, 27.3, 27.3, 0.0);	(600659.6, 4134570.3, 27.3,
27.3, 0.0);	0.0);
(600664.3, 4134564.6, 27.3, 27.3, 0.0);	(600669.1, 4134558.9, 27.3,
27.3, 0.0);	0.0);
(600673.8, 4134553.2, 27.3, 27.3, 0.0);	(600678.6, 4134547.5, 27.3,
27.3, 0.0);	0.0);
(600683.3, 4134541.8, 27.3, 27.3, 0.0);	(600688.1, 4134536.1, 27.3,
27.3, 0.0);	0.0);
(600692.8, 4134530.4, 27.2, 27.2, 0.0);	(600697.6, 4134524.7, 27.3,
27.3, 0.0);	0.0);
(600702.3, 4134519.0, 27.2, 27.2, 0.0);	(600707.1, 4134513.3, 27.2,
27.2, 0.0);	0.0);
(600711.8, 4134507.6, 27.2, 27.2, 0.0);	(600716.6, 4134501.9, 27.2,
27.2, 0.0);	0.0);
(600721.3, 4134496.3, 27.2, 27.2, 0.0);	(600579.5, 4134677.4, 28.2,
28.2, 0.0);	0.0);
(600584.3, 4134671.7, 28.1, 28.1, 0.0);	(600589.0, 4134666.0, 27.9,
27.9, 0.0);	0.0);
(600593.8, 4134660.3, 27.9, 27.9, 0.0);	(600598.5, 4134654.6, 27.8,
27.8, 0.0);	0.0);
(600603.3, 4134648.9, 27.8, 27.8, 0.0);	(600608.0, 4134643.2, 27.7,
27.7, 0.0);	0.0);
(600612.8, 4134637.5, 27.6, 27.6, 0.0);	(600617.5, 4134631.8, 27.5,
27.5, 0.0);	0.0);
(600622.3, 4134626.1, 27.5, 27.5, 0.0);	(600627.0, 4134620.4, 27.5,
27.5, 0.0);	0.0);
(600631.8, 4134614.7, 27.4, 27.4, 0.0);	(600636.5, 4134609.0, 27.4,
27.4, 0.0);	0.0);
(600641.3, 4134603.3, 27.4, 27.4, 0.0);	(600646.0, 4134597.6, 27.4,
27.4, 0.0);	0.0);
(600650.8, 4134591.9, 27.4, 27.4, 0.0);	(600655.5, 4134586.2, 27.4,
27.4, 0.0);	0.0);
(600660.3, 4134580.6, 27.4, 27.4, 0.0);	(600665.0, 4134574.9, 27.4,
27.4, 0.0);	0.0);
(600669.8, 4134569.2, 27.4, 27.4, 0.0);	(600674.5, 4134563.5, 27.4,
27.4, 0.0);	0.0);
(600679.3, 4134557.8, 27.4, 27.4, 0.0);	(600684.0, 4134552.1, 27.4,
27.4, 0.0);	0.0);
(600688.8, 4134546.4, 27.4, 27.4, 0.0);	(600693.5, 4134540.7, 27.3,
27.3, 0.0);	0.0);
(600698.3, 4134535.0, 27.3, 27.3, 0.0);	(600703.0, 4134529.3, 27.3,
27.3, 0.0);	0.0);
(600707.8, 4134523.6, 27.4, 27.4, 0.0);	(600712.5, 4134517.9, 27.3,

27.3,	0.0);						
(600717.3,	4134512.2,	27.3,	27.3,	0.0);	(600722.0,	4134506.5,	27.3,
27.3,	0.0);						
(600726.8,	4134500.8,	27.3,	27.3,	0.0);	(600731.5,	4134495.1,	27.3,
27.3,	0.0);						
(600736.3,	4134489.4,	27.3,	27.3,	0.0);	(600741.0,	4134483.8,	27.3,
27.3,	0.0);						
(600745.8,	4134478.1,	27.2,	27.2,	0.0);	(600580.5,	4134696.3,	28.0,
28.0,	0.0);						
(600570.1,	4134704.6,	28.0,	28.0,	0.0);	(600559.6,	4134712.9,	28.0,
28.0,	0.0);						
(600590.5,	4134686.5,	28.0,	28.0,	0.0);	(600595.3,	4134680.8,	28.0,
28.0,	0.0);						
(600600.0,	4134675.1,	28.0,	28.0,	0.0);	(600604.8,	4134669.4,	28.0,
28.0,	0.0);						
(600609.5,	4134663.7,	27.9,	27.9,	0.0);	(600614.3,	4134658.0,	27.9,
27.9,	0.0);						
(600619.0,	4134652.3,	27.8,	27.8,	0.0);	(600623.8,	4134646.6,	27.7,
27.7,	0.0);						
(600628.5,	4134641.0,	27.6,	27.6,	0.0);	(600633.3,	4134635.3,	27.6,
27.6,	0.0);						
(600638.0,	4134629.6,	27.5,	27.5,	0.0);	(600642.8,	4134623.9,	27.5,
27.5,	0.0);						
(600647.5,	4134618.2,	27.4,	27.4,	0.0);	(600652.3,	4134612.5,	27.4,
27.4,	0.0);						
(600657.0,	4134606.8,	27.4,	27.4,	0.0);	(600661.8,	4134601.1,	27.4,
27.4,	0.0);						
(600666.5,	4134595.4,	27.4,	27.4,	0.0);	(600671.3,	4134589.7,	27.4,
27.4,	0.0);						

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600676.0,	4134584.0,	27.4,	27.4,	0.0);	(600680.8,	4134578.3,	27.4,
27.4,	0.0);						
(600685.5,	4134572.6,	27.4,	27.4,	0.0);	(600690.3,	4134566.9,	27.4,
27.4,	0.0);						
(600695.0,	4134561.2,	27.4,	27.4,	0.0);	(600699.8,	4134555.5,	27.4,
27.4,	0.0);						
(600704.5,	4134549.8,	27.4,	27.4,	0.0);	(600709.3,	4134544.1,	27.4,
27.4,	0.0);						
(600714.0,	4134538.5,	27.4,	27.4,	0.0);	(600718.8,	4134532.8,	27.4,
27.4,	0.0);						
(600723.5,	4134527.1,	27.4,	27.4,	0.0);	(600728.3,	4134521.4,	27.4,
27.4,	0.0);						
(600733.0,	4134515.7,	27.4,	27.4,	0.0);	(600737.8,	4134510.0,	27.4,
27.4,	0.0);						
(600742.5,	4134504.3,	27.4,	27.4,	0.0);	(600747.3,	4134498.6,	27.4,
27.4,	0.0);						
(600752.0,	4134492.9,	27.4,	27.4,	0.0);	(600756.8,	4134487.2,	27.3,
27.3,	0.0);						
(600591.6,	4134705.4,	27.8,	27.8,	0.0);	(600581.3,	4134713.6,	27.8,
27.8,	0.0);						
(600571.0,	4134721.8,	27.7,	27.7,	0.0);	(600601.5,	4134695.7,	27.9,
27.9,	0.0);						
(600606.2,	4134690.0,	27.9,	27.9,	0.0);	(600611.0,	4134684.3,	28.0,

28.0,	0.0);						
(600615.7,	4134678.6,	28.0,	28.0,	0.0);	(600620.5,	4134672.9,	28.0,
28.0,	0.0);						
(600625.2,	4134667.2,	27.9,	27.9,	0.0);	(600630.0,	4134661.5,	27.8,
27.8,	0.0);						
(600634.7,	4134655.8,	27.7,	27.7,	0.0);	(600639.5,	4134650.1,	27.6,
27.6,	0.0);						
(600644.2,	4134644.4,	27.5,	27.5,	0.0);	(600649.0,	4134638.7,	27.5,
27.5,	0.0);						
(600653.7,	4134633.0,	27.4,	27.4,	0.0);	(600658.5,	4134627.3,	27.4,
27.4,	0.0);						
(600663.2,	4134621.6,	27.4,	27.4,	0.0);	(600668.0,	4134615.9,	27.4,
27.4,	0.0);						
(600672.7,	4134610.2,	27.4,	27.4,	0.0);	(600677.5,	4134604.5,	27.4,
27.4,	0.0);						
(600682.2,	4134598.9,	27.4,	27.4,	0.0);	(600687.0,	4134593.2,	27.4,
27.4,	0.0);						
(600691.7,	4134587.5,	27.4,	27.4,	0.0);	(600696.5,	4134581.8,	27.3,
27.3,	0.0);						
(600701.2,	4134576.1,	27.3,	27.3,	0.0);	(600706.0,	4134570.4,	27.3,
27.3,	0.0);						
(600710.7,	4134564.7,	27.4,	27.4,	0.0);	(600715.5,	4134559.0,	27.4,
27.4,	0.0);						
(600720.2,	4134553.3,	27.4,	27.4,	0.0);	(600725.0,	4134547.6,	27.4,
27.4,	0.0);						
(600729.7,	4134541.9,	27.4,	27.4,	0.0);	(600734.5,	4134536.2,	27.4,
27.4,	0.0);						
(600739.2,	4134530.5,	27.4,	27.4,	0.0);	(600744.0,	4134524.8,	27.4,
27.4,	0.0);						
(600748.7,	4134519.1,	27.4,	27.4,	0.0);	(600753.5,	4134513.4,	27.4,
27.4,	0.0);						
(600758.2,	4134507.8,	27.4,	27.4,	0.0);	(600763.0,	4134502.0,	27.4,
27.4,	0.0);						
(600767.7,	4134496.4,	27.4,	27.4,	0.0);	(600602.0,	4134715.0,	27.7,
27.7,	0.0);						
(600596.2,	4134719.6,	27.6,	27.6,	0.0);	(600590.5,	4134724.1,	27.6,
27.6,	0.0);						
(600584.8,	4134728.6,	27.5,	27.5,	0.0);	(600579.1,	4134733.2,	27.5,
27.5,	0.0);						
(600573.3,	4134737.7,	27.4,	27.4,	0.0);	(600567.6,	4134742.2,	27.5,
27.5,	0.0);						
(600607.7,	4134710.5,	27.7,	27.7,	0.0);	(600612.5,	4134704.8,	27.8,
27.8,	0.0);						
(600617.2,	4134699.1,	27.8,	27.8,	0.0);	(600622.0,	4134693.4,	27.9,
27.9,	0.0);						
(600626.7,	4134687.7,	27.9,	27.9,	0.0);	(600631.5,	4134682.0,	27.8,
27.8,	0.0);						
(600636.2,	4134676.3,	27.8,	27.8,	0.0);	(600641.0,	4134670.6,	27.7,
27.7,	0.0);						
(600645.7,	4134664.9,	27.6,	27.6,	0.0);	(600650.5,	4134659.3,	27.5,
27.5,	0.0);						
(600655.2,	4134653.6,	27.4,	27.4,	0.0);	(600660.0,	4134647.9,	27.4,
27.4,	0.0);						
(600664.7,	4134642.2,	27.4,	27.4,	0.0);	(600669.5,	4134636.5,	27.4,
27.4,	0.0);						
(600674.2,	4134630.8,	27.4,	27.4,	0.0);	(600679.0,	4134625.1,	27.4,
27.4,	0.0);						
(600683.7,	4134619.4,	27.4,	27.4,	0.0);	(600688.5,	4134613.7,	27.4,
27.4,	0.0);						
(600693.2,	4134608.0,	27.3,	27.3,	0.0);	(600698.0,	4134602.3,	27.3,
27.3,	0.0);						
(600702.7,	4134596.6,	27.2,	27.2,	0.0);	(600707.5,	4134590.9,	27.2,
27.2,	0.0);						
(600712.2,	4134585.2,	27.2,	27.2,	0.0);	(600717.0,	4134579.5,	27.2,

27.2, 0.0);
 (600721.7, 4134573.8, 27.3, 27.3, 0.0); (600726.5, 4134568.1, 27.3,
 27.3, 0.0);

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600731.2, 4134562.4, 27.4, 27.4, 0.0); (600736.0, 4134556.8, 27.4,
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 27.4, 0.0);
 (600750.2, 4134539.7, 27.4, 27.4, 0.0); (600755.0, 4134534.0, 27.3,
 27.3, 0.0);
 (600759.7, 4134528.3, 27.3, 27.3, 0.0); (600764.5, 4134522.6, 27.2,
 27.2, 0.0);
 (600769.2, 4134516.9, 27.2, 27.2, 0.0); (600774.0, 4134511.2, 27.3,
 27.3, 0.0);
 (600778.7, 4134505.5, 27.3, 27.3, 0.0); (600613.1, 4134724.1, 27.6,
 27.6, 0.0);
 (600607.5, 4134728.5, 27.5, 27.5, 0.0); (600601.9, 4134733.0, 27.5,
 27.5, 0.0);
 (600596.3, 4134737.4, 27.4, 27.4, 0.0); (600590.7, 4134741.8, 27.4,
 27.4, 0.0);
 (600585.1, 4134746.2, 27.5, 27.5, 0.0); (600579.5, 4134750.7, 27.5,
 27.5, 0.0);
 (600573.9, 4134755.1, 27.6, 27.6, 0.0); (600618.7, 4134719.7, 27.6,
 27.6, 0.0);
 (600623.4, 4134714.0, 27.7, 27.7, 0.0); (600628.2, 4134708.3, 27.7,
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 (600632.9, 4134702.6, 27.7, 27.7, 0.0); (600637.7, 4134696.9, 27.6,
 27.6, 0.0);
 (600642.4, 4134691.2, 27.6, 27.6, 0.0); (600647.2, 4134685.5, 27.5,
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 (600651.9, 4134679.8, 27.5, 27.5, 0.0); (600656.7, 4134674.1, 27.4,
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 27.4, 0.0);
 (600670.9, 4134657.0, 27.4, 27.4, 0.0); (600675.7, 4134651.3, 27.4,
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 (600680.4, 4134645.6, 27.4, 27.4, 0.0); (600685.2, 4134639.9, 27.4,
 27.4, 0.0);
 (600689.9, 4134634.2, 27.4, 27.4, 0.0); (600694.7, 4134628.5, 27.3,
 27.3, 0.0);
 (600699.4, 4134622.8, 27.3, 27.3, 0.0); (600704.2, 4134617.2, 27.2,
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 (600708.9, 4134611.5, 27.2, 27.2, 0.0); (600713.7, 4134605.8, 27.1,
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 27.3, 0.0);
 (600746.9, 4134565.9, 27.3, 27.3, 0.0); (600751.7, 4134560.2, 27.3,
 27.3, 0.0);
 (600756.4, 4134554.5, 27.3, 27.3, 0.0); (600761.2, 4134548.8, 27.2,

27.2,	0.0);						
(600765.9,	4134543.1,	27.2,	27.2,	0.0);	(600770.7,	4134537.4,	27.2,
27.2,	0.0);						
(600775.4,	4134531.7,	27.1,	27.1,	0.0);	(600780.2,	4134526.0,	27.1,
27.1,	0.0);						
(600784.9,	4134520.3,	27.2,	27.2,	0.0);	(600789.7,	4134514.7,	27.2,
27.2,	0.0);						
(600624.1,	4134733.2,	27.4,	27.4,	0.0);	(600618.7,	4134737.5,	27.4,
27.4,	0.0);						
(600613.2,	4134741.9,	27.4,	27.4,	0.0);	(600607.7,	4134746.2,	27.4,
27.4,	0.0);						
(600602.2,	4134750.6,	27.4,	27.4,	0.0);	(600596.7,	4134754.9,	27.4,
27.4,	0.0);						
(600591.2,	4134759.3,	27.4,	27.4,	0.0);	(600585.7,	4134763.6,	27.5,
27.5,	0.0);						
(600580.2,	4134768.0,	27.5,	27.5,	0.0);	(600629.6,	4134728.8,	27.4,
27.4,	0.0);						
(600634.4,	4134723.1,	27.4,	27.4,	0.0);	(600639.1,	4134717.4,	27.4,
27.4,	0.0);						
(600643.9,	4134711.7,	27.4,	27.4,	0.0);	(600648.6,	4134706.0,	27.5,
27.5,	0.0);						
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27.4,	0.0);						
(600662.9,	4134688.9,	27.4,	27.4,	0.0);	(600667.6,	4134683.2,	27.4,
27.4,	0.0);						
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27.4,	0.0);						
(600681.9,	4134666.2,	27.4,	27.4,	0.0);	(600686.6,	4134660.5,	27.4,
27.4,	0.0);						
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27.3,	0.0);						
(600700.9,	4134643.4,	27.2,	27.2,	0.0);	(600705.6,	4134637.7,	27.2,
27.2,	0.0);						
(600710.4,	4134632.0,	27.2,	27.2,	0.0);	(600715.1,	4134626.3,	27.1,
27.1,	0.0);						
(600719.9,	4134620.6,	27.1,	27.1,	0.0);	(600724.6,	4134614.9,	27.0,
27.0,	0.0);						
(600729.4,	4134609.2,	27.0,	27.0,	0.0);	(600734.1,	4134603.5,	27.0,
27.0,	0.0);						
(600738.9,	4134597.8,	27.0,	27.0,	0.0);	(600743.6,	4134592.1,	27.1,
27.1,	0.0);						

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600748.4,	4134586.4,	27.1,	27.1,	0.0);	(600753.1,	4134580.8,	27.1,
27.1,	0.0);						
(600757.9,	4134575.1,	27.1,	27.1,	0.0);	(600762.6,	4134569.4,	27.1,
27.1,	0.0);						
(600767.4,	4134563.7,	27.1,	27.1,	0.0);	(600772.1,	4134558.0,	27.1,
27.1,	0.0);						
(600776.9,	4134552.3,	27.1,	27.1,	0.0);	(600781.6,	4134546.6,	27.1,
27.1,	0.0);						
(600786.4,	4134540.9,	27.1,	27.1,	0.0);	(600791.1,	4134535.2,	27.1,
27.1,	0.0);						
(600795.9,	4134529.5,	27.1,	27.1,	0.0);	(600800.6,	4134523.8,	27.2,

27.2, (600635.2, 4134742.2, 27.4, 0.0);	27.2, 27.2, 0.0);	27.2, 27.2, 0.0);	(600624.4, 4134750.8, 27.4,
(600619.0, 4134755.1, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600613.5, 4134759.4, 27.4,
(600608.1, 4134763.7, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600602.7, 4134768.0, 27.4,
(600591.9, 4134776.5, 27.1, 0.0);	27.2, 27.2, 0.0);	27.2, 27.2, 0.0);	(600640.6, 4134738.0, 27.1,
(600645.4, 4134732.3, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600650.1, 4134726.6, 27.1,
(600654.9, 4134720.9, 27.2, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600659.6, 4134715.2, 27.2,
(600664.4, 4134709.5, 27.3, 0.0);	27.3, 27.3, 0.0);	27.3, 27.3, 0.0);	(600669.1, 4134703.8, 27.3,
(600673.9, 4134698.1, 27.3, 0.0);	27.3, 27.3, 0.0);	27.3, 27.3, 0.0);	(600678.6, 4134692.4, 27.3,
(600683.4, 4134686.7, 27.3, 0.0);	27.3, 27.3, 0.0);	27.3, 27.3, 0.0);	(600688.1, 4134681.0, 27.3,
(600692.9, 4134675.3, 27.3, 0.0);	27.3, 27.3, 0.0);	27.3, 27.3, 0.0);	(600697.6, 4134669.6, 27.3,
(600702.4, 4134663.9, 27.2, 0.0);	27.2, 27.2, 0.0);	27.2, 27.2, 0.0);	(600707.1, 4134658.2, 27.2,
(600711.9, 4134652.5, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600716.6, 4134646.8, 27.1,
(600721.4, 4134641.1, 27.0, 0.0);	27.0, 27.0, 0.0);	27.0, 27.0, 0.0);	(600726.1, 4134635.5, 27.0,
(600730.9, 4134629.8, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600735.6, 4134624.1, 26.9,
(600740.4, 4134618.4, 26.8, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600745.1, 4134612.7, 26.8,
(600749.9, 4134607.0, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600754.6, 4134601.3, 26.9,
(600759.4, 4134595.6, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600764.1, 4134589.9, 26.9,
(600768.9, 4134584.2, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600773.6, 4134578.5, 26.9,
(600778.4, 4134572.8, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600783.1, 4134567.1, 26.9,
(600787.9, 4134561.4, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600792.6, 4134555.7, 26.9,
(600797.4, 4134550.0, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600802.1, 4134544.3, 26.9,
(600806.9, 4134538.6, 27.1, 0.0);	27.0, 27.0, 0.0);	27.0, 27.0, 0.0);	(600811.6, 4134533.0, 27.1,
(600646.2, 4134751.3, 27.2, 0.0);	27.0, 27.0, 0.0);	27.0, 27.0, 0.0);	(600635.6, 4134759.8, 27.2,
(600624.9, 4134768.3, 27.0, 0.0);	27.3, 27.3, 0.0);	27.3, 27.3, 0.0);	(600614.2, 4134776.7, 27.0,
(600603.5, 4134785.2, 26.8, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600656.3, 4134741.4, 26.8,
(600661.1, 4134735.7, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600665.8, 4134730.0, 26.8,
(600670.6, 4134724.3, 27.0, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600675.3, 4134718.6, 27.0,
(600680.1, 4134712.9, 27.1, 0.0);	27.0, 27.0, 0.0);	27.0, 27.0, 0.0);	(600684.8, 4134707.2, 27.1,
(600689.6, 4134701.5, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600694.3, 4134695.9, 27.1,
(600699.1, 4134690.2, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600703.8, 4134684.5, 27.1,
(600708.6, 4134678.8, 27.1, 0.0);	27.2, 27.2, 0.0);	27.2, 27.2, 0.0);	(600713.3, 4134673.1, 27.1,
(600718.1, 4134667.4, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600722.8, 4134661.7, 27.0,

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27.0,      0.0);
( 600727.6, 4134656.0,    27.0,    27.0,    0.0);    ( 600732.3, 4134650.3,    26.9,
26.9,      0.0);
( 600737.1, 4134644.6,    26.9,    26.9,    0.0);    ( 600741.8, 4134638.9,    26.8,
26.8,      0.0);
( 600746.6, 4134633.2,    26.8,    26.8,    0.0);    ( 600751.3, 4134627.5,    26.8,
26.8,      0.0);
( 600756.1, 4134621.8,    26.7,    26.7,    0.0);    ( 600760.8, 4134616.1,    26.7,
26.7,      0.0);
( 600765.6, 4134610.4,    26.7,    26.7,    0.0);    ( 600770.3, 4134604.8,    26.7,
26.7,      0.0);
( 600775.1, 4134599.0,    26.7,    26.7,    0.0);    ( 600779.8, 4134593.4,    26.8,
26.8,      0.0);
( 600784.6, 4134587.7,    26.8,    26.8,    0.0);    ( 600789.3, 4134582.0,    26.8,
26.8,      0.0);
    
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**MODELOPTs: RegDFAULT CONC ELEV

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

```

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26.8,      0.0);
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26.9,      0.0);
( 600822.6, 4134542.1,    27.0,    27.0,    0.0);    ( 600666.2, 4134768.3,    26.6,
26.6,      0.0);
( 600660.6, 4134772.8,    26.6,    26.6,    0.0);    ( 600655.0, 4134777.2,    26.5,
26.5,      0.0);
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26.3,      0.0);
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26.0,      0.0);
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26.1,      0.0);
( 600615.9, 4134808.1,    26.3,    26.3,    0.0);    ( 600610.3, 4134812.5,    26.6,
26.6,      0.0);
( 600604.8, 4134816.9,    26.8,    26.8,    0.0);    ( 600671.7, 4134763.9,    26.6,
26.6,      0.0);
( 600676.5, 4134758.2,    26.6,    26.6,    0.0);    ( 600681.2, 4134752.5,    26.5,
26.5,      0.0);
( 600686.0, 4134746.8,    26.5,    26.5,    0.0);    ( 600690.7, 4134741.1,    26.4,
26.4,      0.0);
( 600695.5, 4134735.4,    26.4,    26.4,    0.0);    ( 600700.2, 4134729.8,    26.5,
26.5,      0.0);
( 600705.0, 4134724.1,    26.6,    26.6,    0.0);    ( 600709.7, 4134718.4,    26.6,
26.6,      0.0);
( 600714.5, 4134712.7,    26.7,    26.7,    0.0);    ( 600719.2, 4134707.0,    26.8,
26.8,      0.0);
( 600724.0, 4134701.3,    26.9,    26.9,    0.0);    ( 600728.7, 4134695.6,    26.9,
26.9,      0.0);
( 600733.5, 4134689.9,    26.9,    26.9,    0.0);    ( 600738.2, 4134684.2,    26.9,
26.9,      0.0);
( 600743.0, 4134678.5,    26.8,    26.8,    0.0);    ( 600747.7, 4134672.8,    26.8,
26.8,      0.0);
( 600752.5, 4134667.1,    26.8,    26.8,    0.0);    ( 600757.2, 4134661.4,    26.8,
26.8,      0.0);
    
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26.8,	0.0);					
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26.8,	0.0);				26.8,	
(600771.5,	4134644.3,	26.8,	26.8,	0.0);	(600776.2,	4134638.6,
26.7,	0.0);				26.7,	
(600781.0,	4134632.9,	26.7,	26.7,	0.0);	(600785.7,	4134627.3,
26.6,	0.0);				26.6,	
(600790.5,	4134621.6,	26.6,	26.6,	0.0);	(600795.2,	4134615.9,
26.5,	0.0);				26.5,	
(600800.0,	4134610.2,	26.6,	26.6,	0.0);	(600804.7,	4134604.5,
26.7,	0.0);				26.7,	
(600809.5,	4134598.8,	26.7,	26.7,	0.0);	(600814.2,	4134593.1,
26.8,	0.0);				26.8,	
(600819.0,	4134587.4,	26.8,	26.8,	0.0);	(600823.7,	4134581.7,
26.8,	0.0);				26.8,	
(600828.5,	4134576.0,	26.8,	26.8,	0.0);	(600833.2,	4134570.3,
26.8,	0.0);				26.8,	
(600838.0,	4134564.6,	26.8,	26.8,	0.0);	(600842.7,	4134558.9,
26.8,	0.0);				26.8,	
(600686.1,	4134785.3,	26.1,	26.1,	0.0);	(600680.3,	4134789.9,
26.1,	0.0);				26.1,	
(600674.6,	4134794.5,	25.9,	25.9,	0.0);	(600668.8,	4134799.0,
25.9,	0.0);				25.9,	
(600663.0,	4134803.6,	26.0,	26.0,	0.0);	(600657.2,	4134808.2,
26.0,	0.0);				26.0,	
(600651.4,	4134812.8,	26.1,	26.1,	0.0);	(600645.6,	4134817.4,
26.2,	0.0);				26.2,	
(600639.8,	4134821.9,	26.3,	26.3,	0.0);	(600634.1,	4134826.5,
26.4,	0.0);				26.4,	
(600628.3,	4134831.1,	26.4,	26.4,	0.0);	(600622.5,	4134835.7,
26.4,	0.0);				26.4,	
(600616.7,	4134840.3,	26.5,	26.5,	0.0);	(600691.9,	4134780.7,
26.2,	0.0);				26.2,	
(600696.7,	4134775.0,	26.2,	26.2,	0.0);	(600701.4,	4134769.3,
26.3,	0.0);				26.3,	
(600706.2,	4134763.7,	26.3,	26.3,	0.0);	(600710.9,	4134758.0,
26.2,	0.0);				26.2,	
(600715.7,	4134752.3,	26.2,	26.2,	0.0);	(600720.4,	4134746.6,
26.2,	0.0);				26.2,	
(600725.2,	4134740.9,	26.2,	26.2,	0.0);	(600729.9,	4134735.2,
26.2,	0.0);				26.2,	
(600734.7,	4134729.5,	26.4,	26.4,	0.0);	(600739.4,	4134723.8,
26.5,	0.0);				26.5,	
(600744.2,	4134718.1,	26.6,	26.6,	0.0);	(600748.9,	4134712.4,
26.7,	0.0);				26.7,	
(600753.7,	4134706.7,	26.7,	26.7,	0.0);	(600758.4,	4134701.0,
26.7,	0.0);				26.7,	
(600763.2,	4134695.3,	26.7,	26.7,	0.0);	(600767.9,	4134689.6,
26.7,	0.0);				26.7,	
(600772.7,	4134683.9,	26.8,	26.8,	0.0);	(600777.4,	4134678.2,
26.8,	0.0);				26.8,	
(600782.2,	4134672.5,	26.8,	26.8,	0.0);	(600786.9,	4134666.8,
26.8,	0.0);				26.8,	

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*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

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

(METERS)
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(600791.7, 4134661.2, 26.8, 26.8, 0.0);	(600796.4, 4134655.5, 26.8,
26.8, 0.0);	
(600801.2, 4134649.8, 26.8, 26.8, 0.0);	(600805.9, 4134644.1, 26.8,
26.8, 0.0);	
(600810.7, 4134638.4, 26.8, 26.8, 0.0);	(600815.4, 4134632.7, 26.7,
26.7, 0.0);	
(600820.2, 4134627.0, 26.7, 26.7, 0.0);	(600824.9, 4134621.3, 26.8,
26.8, 0.0);	
(600829.7, 4134615.6, 26.8, 26.8, 0.0);	(600834.4, 4134609.9, 26.8,
26.8, 0.0);	
(600839.2, 4134604.2, 26.8, 26.8, 0.0);	(600843.9, 4134598.5, 26.8,
26.8, 0.0);	
(600848.7, 4134592.8, 26.8, 26.8, 0.0);	(600853.4, 4134587.1, 26.8,
26.8, 0.0);	
(600858.2, 4134581.4, 26.8, 26.8, 0.0);	(600862.9, 4134575.7, 26.8,
26.8, 0.0);	
(600706.5, 4134802.0, 26.0, 26.0, 0.0);	(600700.9, 4134806.4, 26.0,
26.0, 0.0);	
(600695.3, 4134810.8, 26.1, 26.1, 0.0);	(600689.7, 4134815.2, 26.1,
26.1, 0.0);	
(600684.1, 4134819.7, 26.1, 26.1, 0.0);	(600678.5, 4134824.1, 26.2,
26.2, 0.0);	
(600673.0, 4134828.5, 26.2, 26.2, 0.0);	(600667.4, 4134832.9, 26.2,
26.2, 0.0);	
(600661.8, 4134837.4, 26.1, 26.1, 0.0);	(600656.2, 4134841.8, 26.1,
26.1, 0.0);	
(600650.6, 4134846.2, 26.0, 26.0, 0.0);	(600645.0, 4134850.6, 26.1,
26.1, 0.0);	
(600639.4, 4134855.0, 26.1, 26.1, 0.0);	(600633.8, 4134859.5, 26.1,
26.1, 0.0);	
(600628.2, 4134863.9, 26.2, 26.2, 0.0);	(600712.1, 4134797.5, 25.9,
25.9, 0.0);	
(600716.8, 4134791.9, 25.9, 25.9, 0.0);	(600721.6, 4134786.2, 26.0,
26.0, 0.0);	
(600726.3, 4134780.5, 26.1, 26.1, 0.0);	(600731.1, 4134774.8, 26.1,
26.1, 0.0);	
(600735.8, 4134769.1, 26.2, 26.2, 0.0);	(600740.6, 4134763.4, 26.2,
26.2, 0.0);	
(600745.3, 4134757.7, 26.2, 26.2, 0.0);	(600750.1, 4134752.0, 26.2,
26.2, 0.0);	
(600754.8, 4134746.3, 26.2, 26.2, 0.0);	(600759.6, 4134740.6, 26.2,
26.2, 0.0);	
(600764.3, 4134734.9, 26.2, 26.2, 0.0);	(600769.1, 4134729.2, 26.3,
26.3, 0.0);	
(600773.8, 4134723.5, 26.4, 26.4, 0.0);	(600778.6, 4134717.8, 26.4,
26.4, 0.0);	
(600783.3, 4134712.1, 26.5, 26.5, 0.0);	(600788.1, 4134706.4, 26.7,
26.7, 0.0);	
(600792.8, 4134700.8, 26.7, 26.7, 0.0);	(600797.6, 4134695.0, 26.8,
26.8, 0.0);	
(600802.3, 4134689.4, 26.8, 26.8, 0.0);	(600807.1, 4134683.7, 26.9,
26.9, 0.0);	
(600811.8, 4134678.0, 26.9, 26.9, 0.0);	(600816.6, 4134672.3, 26.9,
26.9, 0.0);	
(600821.3, 4134666.6, 26.9, 26.9, 0.0);	(600826.1, 4134660.9, 26.9,
26.9, 0.0);	
(600830.8, 4134655.2, 26.9, 26.9, 0.0);	(600835.6, 4134649.5, 26.9,
26.9, 0.0);	
(600840.3, 4134643.8, 26.8, 26.8, 0.0);	(600845.1, 4134638.1, 26.8,
26.8, 0.0);	
(600849.8, 4134632.4, 26.8, 26.8, 0.0);	(600854.6, 4134626.7, 26.8,
26.8, 0.0);	
(600859.3, 4134621.0, 26.8, 26.8, 0.0);	(600864.1, 4134615.3, 26.8,

26.8,	0.0);					
(600868.8,	4134609.6,	26.8,	26.8,	0.0);	(600873.6,	4134603.9,
26.8,	0.0);					26.8,
(600878.3,	4134598.2,	26.8,	26.8,	0.0);	(600883.1,	4134592.5,
26.8,	0.0);					26.8,
(600726.5,	4134818.9,	26.1,	26.1,	0.0);	(600720.7,	4134823.5,
26.2,	0.0);					26.2,
(600715.0,	4134828.0,	26.2,	26.2,	0.0);	(600709.2,	4134832.6,
26.2,	0.0);					26.2,
(600703.5,	4134837.1,	26.1,	26.1,	0.0);	(600697.7,	4134841.7,
26.1,	0.0);					26.1,
(600691.9,	4134846.2,	26.0,	26.0,	0.0);	(600686.2,	4134850.8,
26.0,	0.0);					26.0,
(600680.4,	4134855.4,	25.9,	25.9,	0.0);	(600674.7,	4134859.9,
25.9,	0.0);					25.9,
(600668.9,	4134864.5,	25.9,	25.9,	0.0);	(600663.2,	4134869.0,
25.9,	0.0);					25.9,
(600657.4,	4134873.6,	25.9,	25.9,	0.0);	(600651.7,	4134878.1,
25.9,	0.0);					25.9,
(600645.9,	4134882.7,	26.0,	26.0,	0.0);	(600640.2,	4134887.2,
26.0,	0.0);					26.0,
(600732.2,	4134814.4,	26.1,	26.1,	0.0);	(600737.0,	4134808.7,
26.0,	0.0);					26.0,
(600741.7,	4134803.0,	26.0,	26.0,	0.0);	(600746.5,	4134797.3,
25.9,	0.0);					25.9,
(600751.2,	4134791.6,	26.0,	26.0,	0.0);	(600756.0,	4134785.9,
26.0,	0.0);					26.0,

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*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600760.7,	4134780.2,	26.1,	26.1,	0.0);	(600765.5,	4134774.5,
26.1,	0.0);					26.1,
(600770.2,	4134768.8,	26.2,	26.2,	0.0);	(600775.0,	4134763.1,
26.2,	0.0);					26.2,
(600779.7,	4134757.4,	26.3,	26.3,	0.0);	(600784.5,	4134751.7,
26.3,	0.0);					26.3,
(600789.2,	4134746.0,	26.3,	26.3,	0.0);	(600794.0,	4134740.3,
26.2,	0.0);					26.2,
(600798.7,	4134734.6,	26.2,	26.2,	0.0);	(600803.5,	4134728.9,
26.4,	0.0);					26.4,
(600808.2,	4134723.3,	26.5,	26.5,	0.0);	(600813.0,	4134717.6,
26.6,	0.0);					26.6,
(600817.7,	4134711.9,	26.7,	26.7,	0.0);	(600822.5,	4134706.2,
26.8,	0.0);					26.8,
(600827.2,	4134700.5,	26.9,	26.9,	0.0);	(600832.0,	4134694.8,
26.9,	0.0);					26.9,
(600836.7,	4134689.1,	27.0,	27.0,	0.0);	(600841.5,	4134683.4,
27.1,	0.0);					27.1,
(600846.2,	4134677.7,	27.1,	27.1,	0.0);	(600851.0,	4134672.0,
27.1,	0.0);					27.1,
(600855.7,	4134666.3,	27.0,	27.0,	0.0);	(600860.5,	4134660.6,
27.0,	0.0);					27.0,
(600865.2,	4134654.9,	26.9,	26.9,	0.0);	(600870.0,	4134649.2,
26.9,	0.0);					26.9,
(600874.7,	4134643.5,	26.8,	26.8,	0.0);	(600879.5,	4134637.8,
						26.8,

26.8,	0.0);						
(600884.2,	4134632.1,	26.8,	26.8,	0.0);	(600889.0,	4134626.4,	26.8,
26.8,	0.0);						
(600893.7,	4134620.8,	26.8,	26.8,	0.0);	(600898.5,	4134615.1,	26.8,
26.8,	0.0);						
(600903.2,	4134609.4,	26.8,	26.8,	0.0);	(600760.5,	4134452.7,	27.0,
27.0,	0.0);						
(600756.3,	4134460.0,	27.1,	27.1,	0.0);	(600752.1,	4134467.2,	27.1,
27.1,	0.0);						
(600764.1,	4134445.1,	26.9,	26.9,	0.0);	(600773.9,	4134457.8,	27.1,
27.1,	0.0);						
(600769.6,	4134465.1,	27.1,	27.1,	0.0);	(600765.3,	4134472.5,	27.2,
27.2,	0.0);						
(600761.0,	4134479.9,	27.3,	27.3,	0.0);	(600777.5,	4134450.1,	27.0,
27.0,	0.0);						
(600787.4,	4134462.5,	27.2,	27.2,	0.0);	(600783.5,	4134469.3,	27.2,
27.2,	0.0);						
(600779.5,	4134476.1,	27.3,	27.3,	0.0);	(600775.6,	4134482.8,	27.3,
27.3,	0.0);						
(600771.7,	4134489.6,	27.4,	27.4,	0.0);	(600790.9,	4134455.1,	27.3,
27.3,	0.0);						
(600800.8,	4134467.6,	27.4,	27.4,	0.0);	(600796.8,	4134474.5,	27.4,
27.4,	0.0);						
(600792.7,	4134481.4,	27.4,	27.4,	0.0);	(600788.7,	4134488.3,	27.4,
27.4,	0.0);						
(600784.7,	4134495.2,	27.4,	27.4,	0.0);	(600804.3,	4134460.2,	27.4,
27.4,	0.0);						
(600814.1,	4134472.7,	27.4,	27.4,	0.0);	(600810.0,	4134479.7,	27.4,
27.4,	0.0);						
(600806.0,	4134486.7,	27.4,	27.4,	0.0);	(600801.9,	4134493.7,	27.4,
27.4,	0.0);						
(600797.8,	4134500.7,	27.4,	27.4,	0.0);	(600793.7,	4134507.7,	27.3,
27.3,	0.0);						
(600817.6,	4134465.2,	27.4,	27.4,	0.0);	(600827.5,	4134477.7,	27.4,
27.4,	0.0);						
(600823.3,	4134484.8,	27.4,	27.4,	0.0);	(600819.2,	4134491.9,	27.4,
27.4,	0.0);						
(600815.1,	4134499.0,	27.4,	27.4,	0.0);	(600811.0,	4134506.1,	27.3,
27.3,	0.0);						
(600806.8,	4134513.2,	27.3,	27.3,	0.0);	(600831.0,	4134470.2,	27.4,
27.4,	0.0);						
(600840.8,	4134482.8,	27.4,	27.4,	0.0);	(600836.6,	4134490.0,	27.4,
27.4,	0.0);						
(600832.5,	4134497.1,	27.4,	27.4,	0.0);	(600828.3,	4134504.3,	27.4,
27.4,	0.0);						
(600824.1,	4134511.5,	27.3,	27.3,	0.0);	(600820.0,	4134518.6,	27.2,
27.2,	0.0);						
(600815.8,	4134525.8,	27.1,	27.1,	0.0);	(600844.4,	4134475.2,	27.4,
27.4,	0.0);						
(600854.2,	4134487.8,	27.3,	27.3,	0.0);	(600850.0,	4134495.1,	27.3,
27.3,	0.0);						
(600845.7,	4134502.3,	27.3,	27.3,	0.0);	(600841.5,	4134509.5,	27.2,
27.2,	0.0);						
(600837.3,	4134516.8,	27.2,	27.2,	0.0);	(600833.1,	4134524.0,	27.2,
27.2,	0.0);						
(600828.9,	4134531.3,	27.1,	27.1,	0.0);	(600857.8,	4134480.2,	27.3,
27.3,	0.0);						
(600878.7,	4134497.1,	27.1,	27.1,	0.0);	(600874.5,	4134504.4,	27.1,
27.1,	0.0);						
(600870.3,	4134511.6,	27.1,	27.1,	0.0);	(600866.0,	4134518.9,	27.1,
27.1,	0.0);						
(600861.8,	4134526.2,	27.1,	27.1,	0.0);	(600857.6,	4134533.5,	27.1,
27.1,	0.0);						
(600853.3,	4134540.7,	27.0,	27.0,	0.0);	(600849.1,	4134548.0,	26.9,

26.9, 0.0);

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600882.3, 4134489.4,	27.2,	27.2,	0.0);	(600903.3, 4134506.3,	27.1,
27.1,	0.0);				
(600899.0, 4134513.6,	27.0,	27.0,	0.0);	(600894.8, 4134520.9,	26.9,
26.9,	0.0);				
(600890.5, 4134528.2,	26.9,	26.9,	0.0);	(600886.3, 4134535.5,	26.9,
26.9,	0.0);				
(600882.0, 4134542.8,	26.9,	26.9,	0.0);	(600877.8, 4134550.2,	26.9,
26.9,	0.0);				
(600873.5, 4134557.5,	26.8,	26.8,	0.0);	(600869.3, 4134564.8,	26.8,
26.8,	0.0);				
(600906.9, 4134498.7,	27.1,	27.1,	0.0);	(600927.9, 4134515.5,	27.1,
27.1,	0.0);				
(600923.6, 4134522.9,	27.1,	27.1,	0.0);	(600919.3, 4134530.2,	27.1,
27.1,	0.0);				
(600915.1, 4134537.5,	27.0,	27.0,	0.0);	(600910.8, 4134544.9,	26.9,
26.9,	0.0);				
(600906.5, 4134552.2,	26.8,	26.8,	0.0);	(600902.3, 4134559.5,	26.8,
26.8,	0.0);				
(600898.0, 4134566.9,	26.8,	26.8,	0.0);	(600893.7, 4134574.2,	26.8,
26.8,	0.0);				
(600889.5, 4134581.5,	26.8,	26.8,	0.0);	(600931.5, 4134507.9,	27.1,
27.1,	0.0);				
(600952.4, 4134524.8,	27.1,	27.1,	0.0);	(600948.2, 4134532.1,	27.1,
27.1,	0.0);				
(600943.9, 4134539.5,	27.1,	27.1,	0.0);	(600939.6, 4134546.8,	27.0,
27.0,	0.0);				
(600935.3, 4134554.2,	27.0,	27.0,	0.0);	(600931.0, 4134561.5,	26.9,
26.9,	0.0);				
(600926.8, 4134568.9,	26.8,	26.8,	0.0);	(600922.5, 4134576.3,	26.8,
26.8,	0.0);				
(600918.2, 4134583.6,	26.8,	26.8,	0.0);	(600913.9, 4134591.0,	26.8,
26.8,	0.0);				
(600909.6, 4134598.3,	26.8,	26.8,	0.0);	(600956.1, 4134517.1,	27.1,
27.1,	0.0);				
(600781.1, 4134434.7,	27.0,	27.0,	0.0);	(600797.5, 4134422.9,	27.2,
27.2,	0.0);				
(600795.5, 4134434.2,	27.3,	27.3,	0.0);	(600793.4, 4134445.5,	27.3,
27.3,	0.0);				
(600811.8, 4134422.7,	27.3,	27.3,	0.0);	(600809.8, 4134433.9,	27.4,
27.4,	0.0);				
(600807.8, 4134445.0,	27.4,	27.4,	0.0);	(600828.1, 4134411.5,	27.4,
27.4,	0.0);				
(600826.1, 4134422.5,	27.4,	27.4,	0.0);	(600824.1, 4134433.6,	27.4,
27.4,	0.0);				
(600822.1, 4134444.6,	27.4,	27.4,	0.0);	(600820.1, 4134455.7,	27.4,
27.4,	0.0);				
(600842.4, 4134411.5,	27.4,	27.4,	0.0);	(600840.5, 4134422.4,	27.4,
27.4,	0.0);				
(600838.5, 4134433.4,	27.4,	27.4,	0.0);	(600836.5, 4134444.3,	27.4,
27.4,	0.0);				
(600834.5, 4134455.2,	27.4,	27.4,	0.0);	(600843.4, 4134400.0,	27.4,

27.4,	0.0);					
(600856.7,	4134411.4,	27.4,	27.4,	0.0);	(600854.8,	4134422.3,
27.4,	0.0);					
(600852.8,	4134433.2,	27.4,	27.4,	0.0);	(600850.8,	4134444.0,
27.4,	0.0);					
(600848.9,	4134454.9,	27.4,	27.4,	0.0);	(600846.9,	4134465.8,
27.4,	0.0);					
(600857.7,	4134400.0,	27.4,	27.4,	0.0);	(600870.9,	4134411.8,
27.4,	0.0);					
(600868.8,	4134423.6,	27.4,	27.4,	0.0);	(600866.7,	4134435.3,
27.4,	0.0);					
(600864.6,	4134447.0,	27.4,	27.4,	0.0);	(600862.5,	4134458.7,
27.4,	0.0);					
(600860.3,	4134470.4,	27.4,	27.4,	0.0);	(600872.0,	4134400.0,
27.4,	0.0);					
(600897.2,	4134411.7,	27.4,	27.4,	0.0);	(600895.2,	4134423.0,
27.4,	0.0);					
(600893.1,	4134434.4,	27.4,	27.4,	0.0);	(600891.1,	4134445.7,
27.3,	0.0);					
(600889.0,	4134457.1,	27.2,	27.2,	0.0);	(600886.9,	4134468.4,
27.2,	0.0);					
(600884.9,	4134479.8,	27.2,	27.2,	0.0);	(600898.2,	4134400.0,
27.4,	0.0);					
(600923.5,	4134411.5,	27.4,	27.4,	0.0);	(600921.5,	4134422.6,
27.4,	0.0);					
(600919.5,	4134433.7,	27.4,	27.4,	0.0);	(600917.5,	4134444.8,
27.4,	0.0);					
(600915.5,	4134455.9,	27.2,	27.2,	0.0);	(600913.5,	4134466.9,
27.1,	0.0);					
(600911.4,	4134478.0,	27.1,	27.1,	0.0);	(600909.4,	4134489.1,
27.1,	0.0);					
(600924.5,	4134400.0,	27.4,	27.4,	0.0);	(600949.7,	4134411.8,
27.4,	0.0);					
(600947.6,	4134423.3,	27.4,	27.4,	0.0);	(600945.5,	4134434.8,
27.4,	0.0);					
(600943.4,	4134446.3,	27.4,	27.4,	0.0);	(600941.4,	4134457.8,
27.4,	0.0);					
(600939.3,	4134469.3,	27.3,	27.3,	0.0);	(600937.2,	4134480.8,
27.2,	0.0);					

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600935.1,	4134492.4,	27.1,	27.1,	0.0);	(600950.8,	4134400.0,
27.4,	0.0);					
(600976.0,	4134411.6,	27.4,	27.4,	0.0);	(600973.9,	4134422.9,
27.4,	0.0);					
(600971.9,	4134434.2,	27.4,	27.4,	0.0);	(600969.9,	4134445.5,
27.4,	0.0);					
(600967.8,	4134456.7,	27.4,	27.4,	0.0);	(600965.8,	4134468.0,
27.4,	0.0);					
(600963.7,	4134479.3,	27.3,	27.3,	0.0);	(600961.7,	4134490.5,
27.2,	0.0);					
(600959.6,	4134501.8,	27.1,	27.1,	0.0);	(600977.0,	4134400.0,
27.4,	0.0);					
(600870.0,	4134390.4,	27.4,	27.4,	0.0);	(600893.4,	4134377.0,

27.4,	0.0);						
(600895.3,	4134386.2,	27.4,	27.4,	0.0);	(600917.6,	4134367.4,	27.4,
27.4,	0.0);						
(600919.6,	4134376.7,	27.4,	27.4,	0.0);	(600921.5,	4134386.0,	27.4,
27.4,	0.0);						
(600947.8,	4134385.8,	27.4,	27.4,	0.0);	(600749.2,	4134234.0,	27.5,
27.5,	0.0);						
(600743.7,	4134229.7,	27.5,	27.5,	0.0);	(600738.2,	4134225.3,	27.4,
27.4,	0.0);						
(600732.6,	4134220.9,	27.3,	27.3,	0.0);	(600727.1,	4134216.5,	27.2,
27.2,	0.0);						
(600721.6,	4134212.1,	27.1,	27.1,	0.0);	(600716.0,	4134207.8,	27.0,
27.0,	0.0);						
(600710.5,	4134203.4,	26.9,	26.9,	0.0);	(600704.9,	4134199.0,	26.8,
26.8,	0.0);						
(600699.4,	4134194.6,	26.8,	26.8,	0.0);	(600758.1,	4134222.8,	27.4,
27.4,	0.0);						
(600752.6,	4134218.5,	27.4,	27.4,	0.0);	(600747.0,	4134214.1,	27.3,
27.3,	0.0);						
(600741.5,	4134209.7,	27.2,	27.2,	0.0);	(600736.0,	4134205.3,	27.1,
27.1,	0.0);						
(600730.4,	4134200.9,	27.0,	27.0,	0.0);	(600724.9,	4134196.5,	26.9,
26.9,	0.0);						
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26.8,	0.0);						
(600708.3,	4134183.4,	26.8,	26.8,	0.0);	(600767.0,	4134211.6,	27.3,
27.3,	0.0);						
(600761.5,	4134207.3,	27.2,	27.2,	0.0);	(600755.9,	4134202.9,	27.2,
27.2,	0.0);						
(600750.4,	4134198.5,	27.2,	27.2,	0.0);	(600744.8,	4134194.1,	27.1,
27.1,	0.0);						
(600739.3,	4134189.7,	27.1,	27.1,	0.0);	(600733.8,	4134185.3,	27.0,
27.0,	0.0);						
(600728.2,	4134181.0,	27.0,	27.0,	0.0);	(600722.7,	4134176.6,	26.9,
26.9,	0.0);						
(600717.1,	4134172.2,	26.9,	26.9,	0.0);	(600777.7,	4134186.7,	27.2,
27.2,	0.0);						
(600772.2,	4134182.3,	27.1,	27.1,	0.0);	(600766.7,	4134177.9,	27.1,
27.1,	0.0);						
(600761.1,	4134173.5,	27.1,	27.1,	0.0);	(600755.6,	4134169.1,	27.1,
27.1,	0.0);						
(600750.1,	4134164.8,	27.1,	27.1,	0.0);	(600744.5,	4134160.4,	27.1,
27.1,	0.0);						
(600739.0,	4134156.0,	27.1,	27.1,	0.0);	(600733.4,	4134151.6,	27.1,
27.1,	0.0);						
(600794.0,	4134166.1,	27.1,	27.1,	0.0);	(600788.5,	4134161.7,	27.1,
27.1,	0.0);						
(600783.0,	4134157.3,	27.1,	27.1,	0.0);	(600777.4,	4134152.9,	27.1,
27.1,	0.0);						
(600771.9,	4134148.6,	27.1,	27.1,	0.0);	(600766.3,	4134144.2,	27.1,
27.1,	0.0);						
(600821.4,	4134154.3,	27.2,	27.2,	0.0);	(600815.9,	4134149.9,	27.2,
27.2,	0.0);						
(600810.3,	4134145.5,	27.2,	27.2,	0.0);	(600804.8,	4134141.1,	27.1,
27.1,	0.0);						
(600799.2,	4134136.8,	27.1,	27.1,	0.0);	(600793.7,	4134132.4,	27.1,
27.1,	0.0);						
(600788.2,	4134128.0,	27.1,	27.1,	0.0);	(600782.6,	4134123.6,	27.1,
27.1,	0.0);						
(600777.1,	4134119.2,	27.1,	27.1,	0.0);	(600771.6,	4134114.8,	27.1,
27.1,	0.0);						
(600766.0,	4134110.4,	27.1,	27.1,	0.0);	(600854.3,	4134146.9,	27.4,
27.4,	0.0);						
(600848.8,	4134142.5,	27.3,	27.3,	0.0);	(600843.2,	4134138.1,	27.2,

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27.2,      0.0);
( 600837.7, 4134133.7,    27.2,    27.2,    0.0);    ( 600832.2, 4134129.3,    27.1,
27.1,      0.0);
( 600826.6, 4134124.9,    27.1,    27.1,    0.0);    ( 600821.1, 4134120.6,    27.1,
27.1,      0.0);
( 600815.6, 4134116.2,    27.1,    27.1,    0.0);    ( 600810.0, 4134111.8,    27.1,
27.1,      0.0);
( 600804.5, 4134107.4,    27.1,    27.1,    0.0);    ( 600798.9, 4134103.0,    27.1,
27.1,      0.0);
( 600793.4, 4134098.6,    27.1,    27.1,    0.0);    ( 600787.9, 4134094.2,    27.1,
27.1,      0.0);
( 600782.3, 4134089.9,    27.1,    27.1,    0.0);    ( 600689.0, 4134187.3,    26.8,
26.8,      0.0);
    
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**MODELOPTs: RegDFault CONC ELEV

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

```

( 600677.9, 4134179.9,    26.8,    26.8,    0.0);    ( 600671.9, 4134176.1,    26.8,
26.8,      0.0);
( 600665.9, 4134172.4,    26.8,    26.8,    0.0);    ( 600659.9, 4134168.6,    26.8,
26.8,      0.0);
( 600653.9, 4134164.9,    26.8,    26.8,    0.0);    ( 600647.9, 4134161.1,    26.9,
26.9,      0.0);
( 600641.9, 4134157.4,    26.9,    26.9,    0.0);    ( 600697.0, 4134175.5,    26.8,
26.8,      0.0);
( 600691.4, 4134171.5,    26.8,    26.8,    0.0);    ( 600685.4, 4134167.8,    26.8,
26.8,      0.0);
( 600679.4, 4134164.0,    26.9,    26.9,    0.0);    ( 600673.4, 4134160.3,    26.9,
26.9,      0.0);
( 600667.4, 4134156.5,    26.9,    26.9,    0.0);    ( 600661.4, 4134152.8,    27.0,
27.0,      0.0);
( 600655.4, 4134149.0,    27.0,    27.0,    0.0);    ( 600649.4, 4134145.3,    27.0,
27.0,      0.0);
( 600703.5, 4134162.6,    26.9,    26.9,    0.0);    ( 600693.0, 4134155.6,    26.9,
26.9,      0.0);
( 600687.0, 4134151.9,    27.0,    27.0,    0.0);    ( 600681.0, 4134148.1,    27.0,
27.0,      0.0);
( 600675.0, 4134144.4,    27.1,    27.1,    0.0);    ( 600669.0, 4134140.6,    27.1,
27.1,      0.0);
( 600663.0, 4134136.9,    27.1,    27.1,    0.0);    ( 600657.0, 4134133.1,    27.1,
27.1,      0.0);
( 600651.0, 4134129.4,    27.1,    27.1,    0.0);    ( 600718.0, 4134140.8,    27.1,
27.1,      0.0);
( 600706.9, 4134133.4,    27.1,    27.1,    0.0);    ( 600700.9, 4134129.6,    27.1,
27.1,      0.0);
( 600694.9, 4134125.9,    27.1,    27.1,    0.0);    ( 600688.9, 4134122.1,    27.1,
27.1,      0.0);
( 600682.9, 4134118.4,    27.1,    27.1,    0.0);    ( 600676.9, 4134114.6,    27.1,
27.1,      0.0);
( 600670.9, 4134110.9,    27.1,    27.1,    0.0);    ( 600664.9, 4134107.1,    27.1,
27.1,      0.0);
( 600745.8, 4134096.2,    27.1,    27.1,    0.0);    ( 600755.9, 4134103.3,    27.1,
27.1,      0.0);
( 600734.7, 4134088.9,    27.1,    27.1,    0.0);    ( 600728.7, 4134085.1,    27.1,
27.1,      0.0);
( 600722.7, 4134081.4,    27.1,    27.1,    0.0);    ( 600716.7, 4134077.6,    27.1,
27.1,      0.0);
    
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27.1,	0.0);					
(600710.7,	4134073.9,	27.1,	27.1,	0.0);	(600704.7,	4134070.1,
27.1,	0.0);					
(600698.7,	4134066.4,	27.1,	27.1,	0.0);	(600692.7,	4134062.6,
27.1,	0.0);					
(600760.2,	4134074.3,	27.1,	27.1,	0.0);	(600771.2,	4134082.1,
27.1,	0.0);					
(600748.7,	4134066.6,	27.1,	27.1,	0.0);	(600742.7,	4134062.9,
27.1,	0.0);					
(600736.7,	4134059.1,	27.1,	27.1,	0.0);	(600730.7,	4134055.4,
27.1,	0.0);					
(600724.7,	4134051.6,	27.1,	27.1,	0.0);	(600718.7,	4134047.9,
27.1,	0.0);					
(600712.7,	4134044.1,	27.1,	27.1,	0.0);	(600706.7,	4134040.4,
27.1,	0.0);					
(600641.6,	4134120.9,	27.2,	27.2,	0.0);	(600657.7,	4134100.1,
27.2,	0.0);					
(600684.6,	4134054.6,	27.1,	27.1,	0.0);	(600700.7,	4134033.8,
27.2,	0.0);					
(600774.0,	4134438.3,	26.9,	26.9,	0.0);	(600592.7,	4134142.6,
27.1,	0.0);					
(600582.7,	4134135.4,	27.1,	27.1,	0.0);	(600596.9,	4134136.8,
27.1,	0.0);					
(600586.9,	4134129.6,	27.1,	27.1,	0.0);	(600601.0,	4134131.0,
27.1,	0.0);					
(600591.0,	4134123.8,	27.1,	27.1,	0.0);	(600605.2,	4134125.2,
27.2,	0.0);					
(600595.2,	4134118.0,	27.1,	27.1,	0.0);	(600609.4,	4134119.4,
27.2,	0.0);					
(600599.4,	4134112.2,	27.2,	27.2,	0.0);	(600613.6,	4134113.6,
27.3,	0.0);					
(600603.6,	4134106.4,	27.2,	27.2,	0.0);	(600622.7,	4134111.4,
27.4,	0.0);					
(600612.7,	4134104.2,	27.3,	27.3,	0.0);	(600602.7,	4134097.0,
27.3,	0.0);					
(600661.9,	4134161.9,	26.9,	26.9,	0.0);	(600626.9,	4134105.6,
27.4,	0.0);					
(600616.9,	4134098.4,	27.4,	27.4,	0.0);	(600606.9,	4134091.2,
27.4,	0.0);					
(600663.0,	4134144.5,	27.1,	27.1,	0.0);	(600631.1,	4134099.8,
27.4,	0.0);					
(600621.1,	4134092.6,	27.4,	27.4,	0.0);	(600611.1,	4134085.4,
27.4,	0.0);					
(600650.2,	4134112.8,	27.2,	27.2,	0.0);	(600656.8,	4134122.9,
27.1,	0.0);					
(600625.3,	4134086.8,	27.4,	27.4,	0.0);	(600615.3,	4134079.6,
27.4,	0.0);					
(600654.2,	4134106.8,	27.1,	27.1,	0.0);	(600660.8,	4134116.8,
27.1,	0.0);					
(600667.4,	4134126.8,	27.1,	27.1,	0.0);	(600682.8,	4134157.7,
26.9,	0.0);					

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600678.3,	4134187.2,	26.8,	26.8,	0.0);	(600629.4,	4134081.0,

27.4, (600619.4, 4134073.8, 27.2, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600665.6, 4134099.8, 27.2,
(600684.9, 4134129.2, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600691.3, 4134139.0, 27.1,
(600690.6, 4134195.0, 27.4, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600637.8, 4134069.4, 27.4,
(600627.8, 4134062.2, 27.2, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600678.0, 4134094.3, 27.2,
(600684.7, 4134104.6, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600691.4, 4134114.9, 27.1,
(600708.3, 4134140.6, 27.0, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600710.7, 4134151.8, 27.0,
(600707.9, 4134170.0, 26.9, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600702.3, 4134206.4, 26.9,
(600702.5, 4134107.4, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600709.1, 4134117.5, 27.1,
(600715.7, 4134127.6, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600724.7, 4134148.6, 27.1,
(600722.9, 4134160.5, 27.4, 0.0);	27.0, 27.0, 0.0);	27.0, 27.0, 0.0);	(600654.5, 4134046.3, 27.4,
(600644.5, 4134039.1, 27.1, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600697.3, 4134075.2, 27.1,
(600733.1, 4134129.7, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600738.7, 4134145.5, 27.1,
(600736.0, 4134163.1, 27.0, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600734.2, 4134174.8, 27.0,
(600731.5, 4134192.4, 27.3, 0.0);	27.0, 27.0, 0.0);	27.0, 27.0, 0.0);	(600667.8, 4134038.3, 27.3,
(600657.8, 4134031.1, 27.2, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600689.5, 4134039.0, 27.2,
(600696.3, 4134049.3, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600703.0, 4134059.6, 27.1,
(600723.2, 4134090.4, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600752.6, 4134142.7, 27.1,
(600750.7, 4134154.8, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600747.9, 4134173.0, 27.1,
(600746.1, 4134185.2, 27.4, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600671.2, 4134023.1, 27.4,
(600661.2, 4134015.9, 27.2, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600697.8, 4134027.3, 27.2,
(600717.7, 4134057.7, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600724.4, 4134067.8, 27.1,
(600731.0, 4134077.9, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600747.6, 4134103.2, 27.1,
(600754.2, 4134113.4, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600764.7, 4134151.5, 27.1,
(600762.9, 4134163.5, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600760.1, 4134181.4, 27.1,
(600758.3, 4134193.4, 27.3, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600755.5, 4134211.3, 27.3,
(600679.5, 4134011.5, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600669.5, 4134004.3, 27.4,
(600706.1, 4134015.7, 27.1, 0.0);	27.2, 27.2, 0.0);	27.2, 27.2, 0.0);	(600712.7, 4134025.7, 27.1,
(600719.2, 4134035.7, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600742.2, 4134070.6, 27.1,
(600748.7, 4134080.6, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600755.2, 4134090.6, 27.1,
(600776.0, 4134166.0, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600771.5, 4134195.5, 27.1,
(600687.9, 4133999.9, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600677.9, 4133992.7, 27.4,
(600721.5, 4133994.4, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600728.1, 4134004.5, 27.2,

27.2,	0.0);						
(600734.7,	4134014.5,	27.2,	27.2,	0.0);	(600741.2,	4134024.5,	27.1,
27.1,	0.0);						
(600747.8,	4134034.6,	27.1,	27.1,	0.0);	(600754.4,	4134044.6,	27.1,
27.1,	0.0);						
(600761.0,	4134054.7,	27.1,	27.1,	0.0);	(600767.6,	4134064.7,	27.1,
27.1,	0.0);						
(600774.2,	4134074.8,	27.1,	27.1,	0.0);	(600797.2,	4134109.9,	27.1,
27.1,	0.0);						
(600803.8,	4134120.0,	27.1,	27.1,	0.0);	(600806.2,	4134130.9,	27.1,
27.1,	0.0);						
(600703.2,	4133978.6,	27.4,	27.4,	0.0);	(600693.2,	4133971.4,	27.4,
27.4,	0.0);						
(600736.8,	4133973.1,	27.4,	27.4,	0.0);	(600743.5,	4133983.2,	27.4,
27.4,	0.0);						
(600750.1,	4133993.3,	27.4,	27.4,	0.0);	(600756.7,	4134003.4,	27.3,
27.3,	0.0);						
(600763.3,	4134013.5,	27.2,	27.2,	0.0);	(600769.9,	4134023.6,	27.1,
27.1,	0.0);						
(600776.5,	4134033.7,	27.1,	27.1,	0.0);	(600783.1,	4134043.8,	27.1,
27.1,	0.0);						
(600789.8,	4134053.8,	27.1,	27.1,	0.0);	(600796.4,	4134063.9,	27.1,
27.1,	0.0);						
(600803.0,	4134074.0,	27.1,	27.1,	0.0);	(600809.6,	4134084.1,	27.1,
27.1,	0.0);						

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*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFault CONC ELEV

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

(600816.2,	4134094.2,	27.1,	27.1,	0.0);	(600822.8,	4134104.3,	27.1,
27.1,	0.0);						
(600829.4,	4134114.4,	27.1,	27.1,	0.0);	(600830.0,	4134137.3,	27.1,
27.1,	0.0);						
(600828.2,	4134149.2,	27.2,	27.2,	0.0);	(600708.5,	4133950.1,	27.4,
27.4,	0.0);						
(600752.2,	4133951.8,	27.4,	27.4,	0.0);	(600758.8,	4133962.0,	27.4,
27.4,	0.0);						
(600765.5,	4133972.1,	27.4,	27.4,	0.0);	(600772.1,	4133982.2,	27.4,
27.4,	0.0);						
(600778.8,	4133992.3,	27.4,	27.4,	0.0);	(600785.4,	4134002.5,	27.3,
27.3,	0.0);						
(600792.0,	4134012.6,	27.3,	27.3,	0.0);	(600798.7,	4134022.7,	27.3,
27.3,	0.0);						
(600805.3,	4134032.8,	27.3,	27.3,	0.0);	(600811.9,	4134043.0,	27.2,
27.2,	0.0);						
(600818.6,	4134053.1,	27.2,	27.2,	0.0);	(600825.2,	4134063.2,	27.2,
27.2,	0.0);						
(600831.9,	4134073.3,	27.2,	27.2,	0.0);	(600838.5,	4134083.5,	27.2,
27.2,	0.0);						
(600845.1,	4134093.6,	27.2,	27.2,	0.0);	(600851.8,	4134103.7,	27.1,
27.1,	0.0);						
(600857.5,	4134119.8,	27.2,	27.2,	0.0);	(600855.6,	4134131.8,	27.3,
27.3,	0.0);						
(600723.9,	4133928.8,	27.4,	27.4,	0.0);	(600767.5,	4133930.6,	27.4,
27.4,	0.0);						
(600774.2,	4133940.7,	27.4,	27.4,	0.0);	(600780.9,	4133950.9,	27.4,

27.4,	0.0);						
(600787.5,	4133961.0,	27.4,	27.4,	0.0);	(600794.2,	4133971.2,	27.4,
27.4,	0.0);						
(600800.8,	4133981.3,	27.4,	27.4,	0.0);	(600807.5,	4133991.5,	27.4,
27.4,	0.0);						
(600814.2,	4134001.6,	27.4,	27.4,	0.0);	(600820.8,	4134011.8,	27.4,
27.4,	0.0);						
(600827.5,	4134022.0,	27.4,	27.4,	0.0);	(600834.1,	4134032.1,	27.4,
27.4,	0.0);						
(600840.8,	4134042.3,	27.4,	27.4,	0.0);	(600847.4,	4134052.4,	27.4,
27.4,	0.0);						
(600854.1,	4134062.6,	27.4,	27.4,	0.0);	(600860.8,	4134072.7,	27.4,
27.4,	0.0);						
(600867.4,	4134082.9,	27.4,	27.4,	0.0);	(600874.1,	4134093.0,	27.3,
27.3,	0.0);						
(600880.7,	4134103.2,	27.3,	27.3,	0.0);	(600883.1,	4134114.3,	27.4,
27.4,	0.0);						
(600881.3,	4134126.3,	27.4,	27.4,	0.0);	(600739.2,	4133907.5,	27.4,
27.4,	0.0);						
(600570.9,	4134130.1,	27.1,	27.1,	0.0);	(600562.6,	4134121.2,	27.1,
27.1,	0.0);						
(600575.5,	4134124.4,	27.1,	27.1,	0.0);	(600561.4,	4134114.1,	27.2,
27.2,	0.0);						
(600573.7,	4134117.1,	27.1,	27.1,	0.0);	(600547.8,	4134109.1,	27.3,
27.3,	0.0);						
(600568.6,	4134109.0,	27.1,	27.1,	0.0);	(600583.0,	4134112.6,	27.1,
27.1,	0.0);						
(600534.9,	4134108.8,	27.4,	27.4,	0.0);	(600541.0,	4134105.3,	27.4,
27.4,	0.0);						
(600547.2,	4134101.9,	27.3,	27.3,	0.0);	(600560.1,	4134100.1,	27.2,
27.2,	0.0);						
(600567.0,	4134101.8,	27.1,	27.1,	0.0);	(600573.8,	4134103.5,	27.1,
27.1,	0.0);						
(600580.7,	4134105.2,	27.1,	27.1,	0.0);	(600587.5,	4134106.9,	27.1,
27.1,	0.0);						
(600507.2,	4134130.8,	27.4,	27.4,	0.0);	(600502.5,	4134136.6,	27.4,
27.4,	0.0);						
(600497.9,	4134142.4,	27.5,	27.5,	0.0);	(600493.2,	4134148.2,	27.5,
27.5,	0.0);						
(600488.6,	4134153.9,	27.6,	27.6,	0.0);	(600483.9,	4134159.7,	27.6,
27.6,	0.0);						
(600479.3,	4134165.5,	27.7,	27.7,	0.0);	(600474.7,	4134171.3,	27.7,
27.7,	0.0);						
(600470.0,	4134177.1,	27.6,	27.6,	0.0);	(600465.4,	4134182.9,	27.5,
27.5,	0.0);						
(600460.7,	4134188.7,	27.5,	27.5,	0.0);	(600456.1,	4134194.4,	27.4,
27.4,	0.0);						
(600451.4,	4134200.2,	27.4,	27.4,	0.0);	(600528.6,	4134104.7,	27.4,
27.4,	0.0);						
(600534.6,	4134101.4,	27.4,	27.4,	0.0);	(600546.4,	4134094.6,	27.3,
27.3,	0.0);						
(600558.9,	4134092.9,	27.2,	27.2,	0.0);	(600572.1,	4134096.2,	27.2,
27.2,	0.0);						
(600585.4,	4134099.5,	27.2,	27.2,	0.0);	(600501.6,	4134126.3,	27.4,
27.4,	0.0);						
(600496.9,	4134132.1,	27.5,	27.5,	0.0);	(600492.3,	4134137.9,	27.5,
27.5,	0.0);						
(600487.7,	4134143.7,	27.6,	27.6,	0.0);	(600483.0,	4134149.5,	27.6,
27.6,	0.0);						
(600478.4,	4134155.3,	27.7,	27.7,	0.0);	(600473.7,	4134161.0,	27.7,
27.7,	0.0);						
(600469.1,	4134166.8,	27.7,	27.7,	0.0);	(600464.4,	4134172.6,	27.6,
27.6,	0.0);						

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600459.8, 4134178.4, 27.5, 27.5, 0.0);	(600455.2, 4134184.2, 27.5,
27.5, 0.0);	
(600450.5, 4134190.0, 27.4, 27.4, 0.0);	(600445.9, 4134195.8, 27.4,
27.4, 0.0);	
(600522.6, 4134100.5, 27.4, 27.4, 0.0);	(600534.1, 4134094.0, 27.4,
27.4, 0.0);	
(600545.6, 4134087.5, 27.3, 27.3, 0.0);	(600557.8, 4134085.8, 27.2,
27.2, 0.0);	
(600570.6, 4134089.0, 27.2, 27.2, 0.0);	(600583.5, 4134092.2, 27.2,
27.2, 0.0);	
(600496.0, 4134121.9, 27.5, 27.5, 0.0);	(600491.4, 4134127.6, 27.6,
27.6, 0.0);	
(600486.7, 4134133.4, 27.6, 27.6, 0.0);	(600482.1, 4134139.2, 27.7,
27.7, 0.0);	
(600477.4, 4134145.0, 27.7, 27.7, 0.0);	(600472.8, 4134150.8, 27.7,
27.7, 0.0);	
(600468.2, 4134156.6, 27.7, 27.7, 0.0);	(600463.5, 4134162.4, 27.7,
27.7, 0.0);	
(600458.9, 4134168.1, 27.6, 27.6, 0.0);	(600454.2, 4134173.9, 27.5,
27.5, 0.0);	
(600449.6, 4134179.7, 27.5, 27.5, 0.0);	(600444.9, 4134185.5, 27.4,
27.4, 0.0);	
(600440.3, 4134191.3, 27.4, 27.4, 0.0);	(600512.4, 4134098.7, 27.4,
27.4, 0.0);	
(600525.1, 4134091.5, 27.4, 27.4, 0.0);	(600537.7, 4134084.3, 27.4,
27.4, 0.0);	
(600544.1, 4134080.7, 27.3, 27.3, 0.0);	(600564.5, 4134080.7, 27.1,
27.1, 0.0);	
(600578.7, 4134084.2, 27.2, 27.2, 0.0);	(600592.8, 4134087.7, 27.3,
27.3, 0.0);	
(600599.9, 4134089.5, 27.3, 27.3, 0.0);	(600490.4, 4134117.4, 27.6,
27.6, 0.0);	
(600485.8, 4134123.2, 27.6, 27.6, 0.0);	(600481.2, 4134129.0, 27.7,
27.7, 0.0);	
(600476.5, 4134134.8, 27.7, 27.7, 0.0);	(600471.9, 4134140.5, 27.7,
27.7, 0.0);	
(600467.2, 4134146.3, 27.7, 27.7, 0.0);	(600462.6, 4134152.1, 27.7,
27.7, 0.0);	
(600457.9, 4134157.9, 27.6, 27.6, 0.0);	(600453.3, 4134163.7, 27.6,
27.6, 0.0);	
(600448.7, 4134169.5, 27.5, 27.5, 0.0);	(600444.0, 4134175.2, 27.4,
27.4, 0.0);	
(600439.4, 4134181.0, 27.4, 27.4, 0.0);	(600434.7, 4134186.8, 27.4,
27.4, 0.0);	
(600506.4, 4134094.4, 27.4, 27.4, 0.0);	(600512.6, 4134090.9, 27.4,
27.4, 0.0);	
(600518.7, 4134087.4, 27.4, 27.4, 0.0);	(600524.9, 4134084.0, 27.4,
27.4, 0.0);	
(600531.0, 4134080.5, 27.4, 27.4, 0.0);	(600537.2, 4134077.0, 27.4,
27.4, 0.0);	
(600543.3, 4134073.5, 27.3, 27.3, 0.0);	(600556.3, 4134071.8, 27.2,
27.2, 0.0);	
(600563.1, 4134073.5, 27.1, 27.1, 0.0);	(600570.0, 4134075.2, 27.2,

27.2,	0.0);						
(600576.8,	4134076.9,	27.3,	27.3,	0.0);	(600583.7,	4134078.6,	27.3,
27.3,	0.0);						
(600590.5,	4134080.3,	27.4,	27.4,	0.0);	(600597.4,	4134082.0,	27.4,
27.4,	0.0);						
(600604.2,	4134083.7,	27.4,	27.4,	0.0);	(600484.9,	4134112.9,	27.6,
27.6,	0.0);						
(600480.2,	4134118.7,	27.7,	27.7,	0.0);	(600475.6,	4134124.5,	27.7,
27.7,	0.0);						
(600470.9,	4134130.3,	27.7,	27.7,	0.0);	(600466.3,	4134136.1,	27.7,
27.7,	0.0);						
(600461.7,	4134141.8,	27.7,	27.7,	0.0);	(600457.0,	4134147.6,	27.7,
27.7,	0.0);						
(600452.4,	4134153.4,	27.6,	27.6,	0.0);	(600447.7,	4134159.2,	27.5,
27.5,	0.0);						
(600443.1,	4134165.0,	27.4,	27.4,	0.0);	(600438.4,	4134170.8,	27.4,
27.4,	0.0);						
(600433.8,	4134176.6,	27.4,	27.4,	0.0);	(600429.2,	4134182.3,	27.4,
27.4,	0.0);						
(600500.6,	4134090.1,	27.4,	27.4,	0.0);	(600512.5,	4134083.3,	27.4,
27.4,	0.0);						
(600524.5,	4134076.5,	27.4,	27.4,	0.0);	(600536.5,	4134069.8,	27.4,
27.4,	0.0);						
(600555.2,	4134064.7,	27.2,	27.2,	0.0);	(600568.5,	4134068.0,	27.2,
27.2,	0.0);						
(600575.2,	4134069.6,	27.2,	27.2,	0.0);	(600588.6,	4134073.0,	27.4,
27.4,	0.0);						
(600595.2,	4134074.6,	27.4,	27.4,	0.0);	(600608.6,	4134078.0,	27.4,
27.4,	0.0);						
(600479.3,	4134108.5,	27.7,	27.7,	0.0);	(600474.7,	4134114.2,	27.7,
27.7,	0.0);						
(600470.0,	4134120.0,	27.7,	27.7,	0.0);	(600465.4,	4134125.8,	27.7,
27.7,	0.0);						
(600460.7,	4134131.6,	27.7,	27.7,	0.0);	(600456.1,	4134137.4,	27.7,
27.7,	0.0);						
(600451.4,	4134143.2,	27.7,	27.7,	0.0);	(600446.8,	4134149.0,	27.6,
27.6,	0.0);						

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600442.2,	4134154.7,	27.6,	27.6,	0.0);	(600437.5,	4134160.5,	27.5,
27.5,	0.0);						
(600432.9,	4134166.3,	27.4,	27.4,	0.0);	(600428.2,	4134172.1,	27.4,
27.4,	0.0);						
(600423.6,	4134177.9,	27.4,	27.4,	0.0);	(600502.4,	4134081.5,	27.4,
27.4,	0.0);						
(600515.3,	4134074.2,	27.4,	27.4,	0.0);	(600528.2,	4134066.9,	27.4,
27.4,	0.0);						
(600541.1,	4134059.6,	27.4,	27.4,	0.0);	(600554.7,	4134057.7,	27.2,
27.2,	0.0);						
(600561.9,	4134059.5,	27.1,	27.1,	0.0);	(600583.5,	4134064.9,	27.3,
27.3,	0.0);						
(600605.1,	4134070.3,	27.4,	27.4,	0.0);	(600612.2,	4134072.0,	27.4,
27.4,	0.0);						
(600473.7,	4134104.0,	27.7,	27.7,	0.0);	(600469.1,	4134109.8,	27.7,

27.7,	0.0);						
(600464.4,	4134115.6,	27.7,	27.7,	0.0);	(600459.8,	4134121.3,	27.7,
27.7,	0.0);						
(600455.2,	4134127.1,	27.7,	27.7,	0.0);	(600450.5,	4134132.9,	27.7,
27.7,	0.0);						
(600445.9,	4134138.7,	27.7,	27.7,	0.0);	(600441.2,	4134144.5,	27.6,
27.6,	0.0);						
(600436.6,	4134150.3,	27.6,	27.6,	0.0);	(600431.9,	4134156.1,	27.5,
27.5,	0.0);						
(600427.3,	4134161.8,	27.4,	27.4,	0.0);	(600422.7,	4134167.6,	27.4,
27.4,	0.0);						
(600418.0,	4134173.4,	27.4,	27.4,	0.0);	(600484.2,	4134076.5,	27.4,
27.4,	0.0);						
(600490.3,	4134073.0,	27.4,	27.4,	0.0);	(600496.4,	4134069.6,	27.4,
27.4,	0.0);						
(600502.6,	4134066.1,	27.4,	27.4,	0.0);	(600508.7,	4134062.6,	27.4,
27.4,	0.0);						
(600514.9,	4134059.1,	27.4,	27.4,	0.0);	(600521.0,	4134055.7,	27.4,
27.4,	0.0);						
(600527.2,	4134052.2,	27.4,	27.4,	0.0);	(600533.3,	4134048.7,	27.4,
27.4,	0.0);						
(600539.4,	4134045.2,	27.4,	27.4,	0.0);	(600552.4,	4134043.5,	27.2,
27.2,	0.0);						
(600559.3,	4134045.2,	27.2,	27.2,	0.0);	(600566.1,	4134046.9,	27.2,
27.2,	0.0);						
(600573.0,	4134048.6,	27.2,	27.2,	0.0);	(600579.8,	4134050.3,	27.3,
27.3,	0.0);						
(600586.7,	4134052.0,	27.4,	27.4,	0.0);	(600593.5,	4134053.7,	27.4,
27.4,	0.0);						
(600600.4,	4134055.4,	27.4,	27.4,	0.0);	(600607.2,	4134057.1,	27.4,
27.4,	0.0);						
(600614.1,	4134058.8,	27.4,	27.4,	0.0);	(600620.9,	4134060.5,	27.4,
27.4,	0.0);						
(600462.6,	4134095.0,	27.6,	27.6,	0.0);	(600457.9,	4134100.8,	27.7,
27.7,	0.0);						
(600453.3,	4134106.6,	27.7,	27.7,	0.0);	(600448.7,	4134112.4,	27.7,
27.7,	0.0);						
(600444.0,	4134118.2,	27.7,	27.7,	0.0);	(600439.4,	4134124.0,	27.7,
27.7,	0.0);						
(600434.7,	4134129.8,	27.7,	27.7,	0.0);	(600430.1,	4134135.5,	27.6,
27.6,	0.0);						
(600425.4,	4134141.3,	27.5,	27.5,	0.0);	(600420.8,	4134147.1,	27.5,
27.5,	0.0);						
(600416.2,	4134152.9,	27.4,	27.4,	0.0);	(600411.5,	4134158.7,	27.4,
27.4,	0.0);						
(600406.9,	4134164.5,	27.4,	27.4,	0.0);	(600467.1,	4134070.9,	27.4,
27.4,	0.0);						
(600473.5,	4134067.3,	27.4,	27.4,	0.0);	(600479.9,	4134063.7,	27.4,
27.4,	0.0);						
(600486.2,	4134060.1,	27.4,	27.4,	0.0);	(600492.6,	4134056.5,	27.4,
27.4,	0.0);						
(600499.0,	4134052.9,	27.4,	27.4,	0.0);	(600505.4,	4134049.3,	27.4,
27.4,	0.0);						
(600511.8,	4134045.6,	27.4,	27.4,	0.0);	(600518.1,	4134042.0,	27.4,
27.4,	0.0);						
(600524.5,	4134038.4,	27.4,	27.4,	0.0);	(600530.9,	4134034.8,	27.4,
27.4,	0.0);						
(600537.3,	4134031.2,	27.4,	27.4,	0.0);	(600550.8,	4134029.4,	27.2,
27.2,	0.0);						
(600557.9,	4134031.1,	27.2,	27.2,	0.0);	(600565.0,	4134032.9,	27.2,
27.2,	0.0);						
(600572.1,	4134034.7,	27.2,	27.2,	0.0);	(600579.2,	4134036.5,	27.3,
27.3,	0.0);						
(600586.3,	4134038.2,	27.4,	27.4,	0.0);	(600593.5,	4134040.0,	27.4,

27.4,	0.0);						
(600446.8,	4134091.9,	27.6,	27.6,	0.0);	(600442.2,	4134097.7,	27.6,
27.6,	0.0);						
(600437.5,	4134103.5,	27.7,	27.7,	0.0);	(600432.9,	4134109.2,	27.6,
27.6,	0.0);						
(600428.2,	4134115.0,	27.6,	27.6,	0.0);	(600423.6,	4134120.8,	27.5,
27.5,	0.0);						
(600418.9,	4134126.6,	27.5,	27.5,	0.0);	(600414.3,	4134132.4,	27.4,
27.4,	0.0);						
(600409.7,	4134138.2,	27.4,	27.4,	0.0);	(600405.0,	4134144.0,	27.4,
27.4,	0.0);						

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

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

(600400.4,	4134149.8,	27.4,	27.4,	0.0);	(600395.7,	4134155.5,	27.4,
27.4,	0.0);						
(600474.2,	4134051.7,	27.4,	27.4,	0.0);	(600480.3,	4134048.2,	27.4,
27.4,	0.0);						
(600486.4,	4134044.7,	27.4,	27.4,	0.0);	(600492.6,	4134041.3,	27.4,
27.4,	0.0);						
(600498.7,	4134037.8,	27.4,	27.4,	0.0);	(600504.9,	4134034.3,	27.4,
27.4,	0.0);						
(600511.0,	4134030.8,	27.4,	27.4,	0.0);	(600517.2,	4134027.3,	27.4,
27.4,	0.0);						
(600523.3,	4134023.9,	27.4,	27.4,	0.0);	(600529.5,	4134020.4,	27.4,
27.4,	0.0);						
(600535.6,	4134016.9,	27.4,	27.4,	0.0);	(600548.6,	4134015.2,	27.3,
27.3,	0.0);						
(600555.4,	4134016.9,	27.2,	27.2,	0.0);	(600617.1,	4134032.2,	27.4,
27.4,	0.0);						
(600623.9,	4134033.9,	27.4,	27.4,	0.0);	(600630.8,	4134035.6,	27.4,
27.4,	0.0);						
(600637.6,	4134037.4,	27.4,	27.4,	0.0);	(600444.8,	4134053.1,	27.4,
27.4,	0.0);						
(600451.1,	4134049.5,	27.4,	27.4,	0.0);	(600457.5,	4134045.9,	27.4,
27.4,	0.0);						
(600489.1,	4134028.0,	27.4,	27.4,	0.0);	(600495.5,	4134024.4,	27.4,
27.4,	0.0);						
(600501.8,	4134020.8,	27.4,	27.4,	0.0);	(600508.1,	4134017.2,	27.4,
27.4,	0.0);						
(600514.5,	4134013.6,	27.4,	27.4,	0.0);	(600520.8,	4134010.0,	27.4,
27.4,	0.0);						
(600527.1,	4134006.5,	27.4,	27.4,	0.0);	(600533.5,	4134002.9,	27.4,
27.4,	0.0);						
(600575.1,	4134008.1,	27.3,	27.3,	0.0);	(600582.2,	4134009.9,	27.3,
27.3,	0.0);						
(600589.2,	4134011.6,	27.4,	27.4,	0.0);	(600596.3,	4134013.4,	27.4,
27.4,	0.0);						
(600603.4,	4134015.1,	27.4,	27.4,	0.0);	(600610.4,	4134016.9,	27.4,
27.4,	0.0);						
(600617.5,	4134018.7,	27.4,	27.4,	0.0);	(600624.6,	4134020.4,	27.4,
27.4,	0.0);						
(600631.6,	4134022.2,	27.4,	27.4,	0.0);	(600638.7,	4134023.9,	27.4,
27.4,	0.0);						
(600645.8,	4134025.7,	27.4,	27.4,	0.0);	(600424.5,	4134074.0,	27.4,

27.4,	0.0);					
(600419.9,	4134079.8,	27.4,	27.4,	0.0);	(600415.2,	4134085.6,
27.4,	0.0);					27.4,
(600410.6,	4134091.4,	27.4,	27.4,	0.0);	(600405.9,	4134097.1,
27.4,	0.0);					27.4,
(600401.3,	4134102.9,	27.4,	27.4,	0.0);	(600396.7,	4134108.7,
27.4,	0.0);					27.4,
(600392.0,	4134114.5,	27.4,	27.4,	0.0);	(600387.4,	4134120.3,
27.4,	0.0);					27.4,
(600382.7,	4134126.1,	27.4,	27.4,	0.0);	(600378.1,	4134131.9,
27.4,	0.0);					27.4,
(600373.4,	4134137.6,	27.4,	27.4,	0.0);	(600433.4,	4134044.2,
27.4,	0.0);					27.4,
(600439.6,	4134040.8,	27.4,	27.4,	0.0);	(600445.7,	4134037.3,
27.4,	0.0);					27.4,
(600451.9,	4134033.8,	27.4,	27.4,	0.0);	(600458.0,	4134030.3,
27.4,	0.0);					27.4,
(600464.2,	4134026.8,	27.4,	27.4,	0.0);	(600470.3,	4134023.4,
27.4,	0.0);					27.4,
(600501.0,	4134006.0,	27.4,	27.4,	0.0);	(600507.2,	4134002.5,
27.4,	0.0);					27.4,
(600513.3,	4133999.0,	27.4,	27.4,	0.0);	(600519.5,	4133995.6,
27.4,	0.0);					27.4,
(600544.7,	4133986.8,	27.4,	27.4,	0.0);	(600551.6,	4133988.5,
27.4,	0.0);					27.4,
(600558.4,	4133990.3,	27.4,	27.4,	0.0);	(600565.3,	4133992.0,
27.4,	0.0);					27.4,
(600572.1,	4133993.7,	27.4,	27.4,	0.0);	(600579.0,	4133995.4,
27.4,	0.0);					27.4,
(600585.8,	4133997.1,	27.4,	27.4,	0.0);	(600592.7,	4133998.8,
27.4,	0.0);					27.4,
(600599.5,	4134000.5,	27.4,	27.4,	0.0);	(600606.4,	4134002.2,
27.4,	0.0);					27.4,
(600613.2,	4134003.9,	27.4,	27.4,	0.0);	(600620.1,	4134005.6,
27.4,	0.0);					27.4,
(600626.9,	4134007.3,	27.4,	27.4,	0.0);	(600633.8,	4134009.0,
27.4,	0.0);					27.4,
(600640.6,	4134010.8,	27.4,	27.4,	0.0);	(600647.5,	4134012.5,
27.4,	0.0);					27.4,
(600654.3,	4134014.2,	27.4,	27.4,	0.0);	(600427.3,	4134047.7,
27.4,	0.0);					27.4,
(600413.4,	4134065.1,	27.4,	27.4,	0.0);	(600408.7,	4134070.8,
27.4,	0.0);					27.4,
(600404.1,	4134076.6,	27.4,	27.4,	0.0);	(600399.4,	4134082.4,
27.4,	0.0);					27.4,
(600394.8,	4134088.2,	27.4,	27.4,	0.0);	(600390.2,	4134094.0,
27.4,	0.0);					27.4,
(600385.5,	4134099.8,	27.4,	27.4,	0.0);	(600380.9,	4134105.6,
27.4,	0.0);					27.4,

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600376.2,	4134111.3,	27.4,	27.4,	0.0);	(600371.6,	4134117.1,
27.4,	0.0);					27.4,
(600366.9,	4134122.9,	27.4,	27.4,	0.0);	(600362.3,	4134128.7,
						27.4,

27.4,	0.0);						
(600422.5,	4134035.2,	27.4,	27.4,	0.0);	(600428.8,	4134031.6,	27.4,
27.4,	0.0);						
(600435.1,	4134028.1,	27.4,	27.4,	0.0);	(600441.4,	4134024.5,	27.4,
27.4,	0.0);						
(600447.7,	4134020.9,	27.4,	27.4,	0.0);	(600454.0,	4134017.4,	27.4,
27.4,	0.0);						
(600460.3,	4134013.8,	27.4,	27.4,	0.0);	(600466.6,	4134010.2,	27.4,
27.4,	0.0);						
(600472.9,	4134006.7,	27.4,	27.4,	0.0);	(600479.2,	4134003.1,	27.4,
27.4,	0.0);						
(600485.5,	4133999.5,	27.4,	27.4,	0.0);	(600529.7,	4133974.5,	27.4,
27.4,	0.0);						
(600543.0,	4133972.7,	27.4,	27.4,	0.0);	(600550.0,	4133974.5,	27.4,
27.4,	0.0);						
(600557.0,	4133976.2,	27.4,	27.4,	0.0);	(600564.1,	4133978.0,	27.4,
27.4,	0.0);						
(600571.1,	4133979.8,	27.4,	27.4,	0.0);	(600578.1,	4133981.5,	27.4,
27.4,	0.0);						
(600585.2,	4133983.2,	27.4,	27.4,	0.0);	(600592.2,	4133985.0,	27.4,
27.4,	0.0);						
(600599.2,	4133986.8,	27.4,	27.4,	0.0);	(600606.2,	4133988.5,	27.4,
27.4,	0.0);						
(600613.3,	4133990.3,	27.4,	27.4,	0.0);	(600620.3,	4133992.0,	27.4,
27.4,	0.0);						
(600627.3,	4133993.8,	27.4,	27.4,	0.0);	(600634.4,	4133995.5,	27.4,
27.4,	0.0);						
(600641.4,	4133997.3,	27.4,	27.4,	0.0);	(600648.4,	4133999.0,	27.4,
27.4,	0.0);						
(600655.5,	4134000.8,	27.4,	27.4,	0.0);	(600662.5,	4134002.5,	27.4,
27.4,	0.0);						
(600416.2,	4134038.8,	27.4,	27.4,	0.0);	(600402.2,	4134056.1,	27.4,
27.4,	0.0);						
(600397.6,	4134061.9,	27.4,	27.4,	0.0);	(600392.9,	4134067.7,	27.4,
27.4,	0.0);						
(600388.3,	4134073.5,	27.4,	27.4,	0.0);	(600383.7,	4134079.3,	27.4,
27.4,	0.0);						
(600379.0,	4134085.0,	27.4,	27.4,	0.0);	(600374.4,	4134090.8,	27.4,
27.4,	0.0);						
(600369.7,	4134096.6,	27.4,	27.4,	0.0);	(600365.1,	4134102.4,	27.4,
27.4,	0.0);						
(600360.4,	4134108.2,	27.4,	27.4,	0.0);	(600355.8,	4134114.0,	27.4,
27.4,	0.0);						
(600351.2,	4134119.8,	27.4,	27.4,	0.0);	(600411.5,	4134026.2,	27.4,
27.4,	0.0);						
(600417.9,	4134022.5,	27.4,	27.4,	0.0);	(600424.4,	4134018.9,	27.4,
27.4,	0.0);						
(600430.8,	4134015.2,	27.4,	27.4,	0.0);	(600437.3,	4134011.6,	27.4,
27.4,	0.0);						
(600443.7,	4134007.9,	27.4,	27.4,	0.0);	(600450.2,	4134004.3,	27.4,
27.4,	0.0);						
(600456.6,	4134000.6,	27.4,	27.4,	0.0);	(600463.1,	4133997.0,	27.4,
27.4,	0.0);						
(600469.5,	4133993.3,	27.4,	27.4,	0.0);	(600476.0,	4133989.7,	27.4,
27.4,	0.0);						
(600482.4,	4133986.0,	27.4,	27.4,	0.0);	(600488.9,	4133982.4,	27.4,
27.4,	0.0);						
(600495.3,	4133978.7,	27.4,	27.4,	0.0);	(600527.6,	4133960.5,	27.4,
27.4,	0.0);						
(600541.2,	4133958.6,	27.4,	27.4,	0.0);	(600548.4,	4133960.4,	27.4,
27.4,	0.0);						
(600555.6,	4133962.2,	27.4,	27.4,	0.0);	(600562.8,	4133964.0,	27.4,
27.4,	0.0);						
(600570.0,	4133965.8,	27.4,	27.4,	0.0);	(600577.2,	4133967.6,	27.4,

27.4,	0.0);					
(600584.4,	4133969.4,	27.4,	27.4,	0.0);	(600591.6,	4133971.2,
27.4,	0.0);					
(600598.8,	4133973.0,	27.4,	27.4,	0.0);	(600606.0,	4133974.8,
27.4,	0.0);					
(600613.1,	4133976.5,	27.4,	27.4,	0.0);	(600620.3,	4133978.3,
27.4,	0.0);					
(600627.5,	4133980.1,	27.4,	27.4,	0.0);	(600634.7,	4133981.9,
27.4,	0.0);					
(600641.9,	4133983.7,	27.4,	27.4,	0.0);	(600649.1,	4133985.5,
27.4,	0.0);					
(600656.3,	4133987.3,	27.4,	27.4,	0.0);	(600663.5,	4133989.1,
27.4,	0.0);					
(600670.7,	4133990.9,	27.4,	27.4,	0.0);	(600405.0,	4134029.8,
27.4,	0.0);					
(600386.4,	4134053.0,	27.4,	27.4,	0.0);	(600381.8,	4134058.8,
27.4,	0.0);					
(600377.2,	4134064.5,	27.4,	27.4,	0.0);	(600372.5,	4134070.3,
27.4,	0.0);					
(600367.9,	4134076.1,	27.4,	27.4,	0.0);	(600363.2,	4134081.9,
27.4,	0.0);					
(600358.6,	4134087.7,	27.4,	27.4,	0.0);	(600353.9,	4134093.5,
27.4,	0.0);					

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600349.3,	4134099.2,	27.4,	27.4,	0.0);	(600344.7,	4134105.0,
27.4,	0.0);					
(600340.0,	4134110.8,	27.4,	27.4,	0.0);	(600390.9,	4134009.8,
27.4,	0.0);					
(600397.2,	4134006.2,	27.4,	27.4,	0.0);	(600403.6,	4134002.6,
27.4,	0.0);					
(600409.9,	4133999.0,	27.4,	27.4,	0.0);	(600416.3,	4133995.4,
27.4,	0.0);					
(600422.6,	4133991.8,	27.4,	27.4,	0.0);	(600429.0,	4133988.3,
27.4,	0.0);					
(600435.3,	4133984.7,	27.4,	27.4,	0.0);	(600441.7,	4133981.1,
27.4,	0.0);					
(600448.0,	4133977.5,	27.4,	27.4,	0.0);	(600454.3,	4133973.9,
27.4,	0.0);					
(600460.7,	4133970.3,	27.4,	27.4,	0.0);	(600467.0,	4133966.7,
27.4,	0.0);					
(600492.4,	4133952.4,	27.4,	27.4,	0.0);	(600498.8,	4133948.8,
27.4,	0.0);					
(600505.1,	4133945.2,	27.4,	27.4,	0.0);	(600511.5,	4133941.6,
27.4,	0.0);					
(600517.8,	4133938.0,	27.4,	27.4,	0.0);	(600524.1,	4133934.4,
27.4,	0.0);					
(600544.6,	4133934.3,	27.4,	27.4,	0.0);	(600551.7,	4133936.1,
27.4,	0.0);					
(600558.8,	4133937.9,	27.4,	27.4,	0.0);	(600565.9,	4133939.6,
27.4,	0.0);					
(600572.9,	4133941.4,	27.4,	27.4,	0.0);	(600580.0,	4133943.2,
27.4,	0.0);					
(600587.1,	4133944.9,	27.4,	27.4,	0.0);	(600594.2,	4133946.7,

27.4,	0.0);						
(600601.2,	4133948.5,	27.4,	27.4,	0.0);	(600608.3,	4133950.2,	27.4,
27.4,	0.0);						
(600615.4,	4133952.0,	27.4,	27.4,	0.0);	(600622.5,	4133953.8,	27.4,
27.4,	0.0);						
(600629.5,	4133955.5,	27.4,	27.4,	0.0);	(600636.6,	4133957.3,	27.4,
27.4,	0.0);						
(600643.7,	4133959.0,	27.4,	27.4,	0.0);	(600650.8,	4133960.8,	27.4,
27.4,	0.0);						
(600657.8,	4133962.6,	27.4,	27.4,	0.0);	(600664.9,	4133964.3,	27.4,
27.4,	0.0);						
(600672.0,	4133966.1,	27.4,	27.4,	0.0);	(600679.1,	4133967.9,	27.4,
27.4,	0.0);						
(600686.1,	4133969.6,	27.4,	27.4,	0.0);	(600384.5,	4134013.4,	27.4,
27.4,	0.0);						
(600379.9,	4134019.2,	27.4,	27.4,	0.0);	(600366.0,	4134036.5,	27.4,
27.4,	0.0);						
(600361.3,	4134042.3,	27.4,	27.4,	0.0);	(600356.7,	4134048.1,	27.4,
27.4,	0.0);						
(600352.0,	4134053.9,	27.4,	27.4,	0.0);	(600347.4,	4134059.7,	27.4,
27.4,	0.0);						
(600342.8,	4134065.5,	27.4,	27.4,	0.0);	(600338.1,	4134071.2,	27.4,
27.4,	0.0);						
(600333.5,	4134077.0,	27.4,	27.4,	0.0);	(600328.8,	4134082.8,	27.4,
27.4,	0.0);						
(600324.2,	4134088.6,	27.4,	27.4,	0.0);	(600319.5,	4134094.4,	27.4,
27.4,	0.0);						
(600370.3,	4133993.4,	27.4,	27.4,	0.0);	(600376.6,	4133989.9,	27.4,
27.4,	0.0);						
(600382.9,	4133986.3,	27.4,	27.4,	0.0);	(600389.1,	4133982.8,	27.4,
27.4,	0.0);						
(600395.4,	4133979.2,	27.4,	27.4,	0.0);	(600401.7,	4133975.7,	27.4,
27.4,	0.0);						
(600407.9,	4133972.2,	27.4,	27.4,	0.0);	(600414.2,	4133968.6,	27.4,
27.4,	0.0);						
(600420.5,	4133965.1,	27.4,	27.4,	0.0);	(600426.7,	4133961.5,	27.4,
27.4,	0.0);						
(600433.0,	4133958.0,	27.4,	27.4,	0.0);	(600439.2,	4133954.4,	27.4,
27.4,	0.0);						
(600445.5,	4133950.9,	27.4,	27.4,	0.0);	(600464.3,	4133940.2,	27.4,
27.4,	0.0);						
(600470.6,	4133936.7,	27.4,	27.4,	0.0);	(600476.8,	4133933.2,	27.4,
27.4,	0.0);						
(600483.1,	4133929.6,	27.4,	27.4,	0.0);	(600489.4,	4133926.1,	27.4,
27.4,	0.0);						
(600495.6,	4133922.5,	27.4,	27.4,	0.0);	(600501.9,	4133919.0,	27.4,
27.4,	0.0);						
(600508.2,	4133915.4,	27.4,	27.4,	0.0);	(600514.4,	4133911.9,	27.4,
27.4,	0.0);						
(600520.7,	4133908.3,	27.4,	27.4,	0.0);	(600533.9,	4133906.5,	27.4,
27.4,	0.0);						
(600540.9,	4133908.3,	27.4,	27.4,	0.0);	(600561.9,	4133913.5,	27.4,
27.4,	0.0);						
(600568.9,	4133915.3,	27.4,	27.4,	0.0);	(600575.8,	4133917.0,	27.4,
27.4,	0.0);						
(600582.8,	4133918.7,	27.4,	27.4,	0.0);	(600589.8,	4133920.5,	27.4,
27.4,	0.0);						
(600596.8,	4133922.2,	27.4,	27.4,	0.0);	(600603.8,	4133924.0,	27.4,
27.4,	0.0);						
(600610.8,	4133925.7,	27.4,	27.4,	0.0);	(600617.7,	4133927.4,	27.4,
27.4,	0.0);						

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600624.7, 4133929.2, 27.4, 27.4, 0.0);	(600631.7, 4133930.9, 27.4,
27.4, 0.0);	27.4, 0.0);
(600638.7, 4133932.7, 27.4, 27.4, 0.0);	(600645.7, 4133934.4, 27.4,
27.4, 0.0);	27.4, 0.0);
(600652.7, 4133936.1, 27.4, 27.4, 0.0);	(600659.7, 4133937.9, 27.4,
27.4, 0.0);	27.4, 0.0);
(600666.6, 4133939.6, 27.4, 27.4, 0.0);	(600673.6, 4133941.4, 27.4,
27.4, 0.0);	27.4, 0.0);
(600680.6, 4133943.1, 27.4, 27.4, 0.0);	(600687.6, 4133944.9, 27.4,
27.4, 0.0);	27.4, 0.0);
(600694.6, 4133946.6, 27.4, 27.4, 0.0);	(600701.6, 4133948.3, 27.4,
27.4, 0.0);	27.4, 0.0);
(600364.1, 4133997.0, 27.4, 27.4, 0.0);	(600359.4, 4134002.8, 27.4,
27.4, 0.0);	27.4, 0.0);
(600345.5, 4134020.1, 27.4, 27.4, 0.0);	(600340.9, 4134025.9, 27.4,
27.4, 0.0);	27.4, 0.0);
(600336.2, 4134031.7, 27.4, 27.4, 0.0);	(600331.6, 4134037.5, 27.4,
27.4, 0.0);	27.4, 0.0);
(600326.9, 4134043.2, 27.4, 27.4, 0.0);	(600322.3, 4134049.0, 27.4,
27.4, 0.0);	27.4, 0.0);
(600317.6, 4134054.8, 27.4, 27.4, 0.0);	(600313.0, 4134060.6, 27.4,
27.4, 0.0);	27.4, 0.0);
(600308.4, 4134066.4, 27.4, 27.4, 0.0);	(600303.7, 4134072.2, 27.4,
27.4, 0.0);	27.4, 0.0);
(600299.1, 4134078.0, 27.4, 27.4, 0.0);	(600350.0, 4133976.9, 27.4,
27.4, 0.0);	27.4, 0.0);
(600356.4, 4133973.3, 27.4, 27.4, 0.0);	(600362.9, 4133969.6, 27.4,
27.4, 0.0);	27.4, 0.0);
(600369.3, 4133966.0, 27.4, 27.4, 0.0);	(600375.7, 4133962.4, 27.4,
27.4, 0.0);	27.4, 0.0);
(600382.1, 4133958.7, 27.4, 27.4, 0.0);	(600388.6, 4133955.1, 27.4,
27.4, 0.0);	27.4, 0.0);
(600395.0, 4133951.5, 27.4, 27.4, 0.0);	(600401.4, 4133947.8, 27.4,
27.4, 0.0);	27.4, 0.0);
(600407.8, 4133944.2, 27.4, 27.4, 0.0);	(600414.2, 4133940.6, 27.4,
27.4, 0.0);	27.4, 0.0);
(600420.7, 4133936.9, 27.4, 27.4, 0.0);	(600439.9, 4133926.0, 27.4,
27.4, 0.0);	27.4, 0.0);
(600446.4, 4133922.4, 27.4, 27.4, 0.0);	(600452.8, 4133918.8, 27.4,
27.4, 0.0);	27.4, 0.0);
(600459.2, 4133915.1, 27.4, 27.4, 0.0);	(600465.6, 4133911.5, 27.4,
27.4, 0.0);	27.4, 0.0);
(600472.0, 4133907.9, 27.4, 27.4, 0.0);	(600478.5, 4133904.2, 27.4,
27.4, 0.0);	27.4, 0.0);
(600484.9, 4133900.6, 27.4, 27.4, 0.0);	(600491.3, 4133897.0, 27.4,
27.4, 0.0);	27.4, 0.0);
(600497.7, 4133893.3, 27.4, 27.4, 0.0);	(600504.1, 4133889.7, 27.4,
27.4, 0.0);	27.4, 0.0);
(600510.6, 4133886.1, 27.4, 27.4, 0.0);	(600517.0, 4133882.4, 27.4,
27.4, 0.0);	27.4, 0.0);
(600530.6, 4133880.6, 27.4, 27.4, 0.0);	(600537.7, 4133882.4, 27.4,
27.4, 0.0);	27.4, 0.0);
(600544.9, 4133884.1, 27.4, 27.4, 0.0);	(600552.1, 4133885.9, 27.4,
27.4, 0.0);	27.4, 0.0);
(600573.5, 4133891.3, 27.4, 27.4, 0.0);	(600580.7, 4133893.1, 27.4,

27.4,	0.0);						
(600587.9,	4133894.9,	27.4,	27.4,	0.0);	(600595.0,	4133896.6,	27.4,
27.4,	0.0);						
(600602.2,	4133898.4,	27.4,	27.4,	0.0);	(600609.3,	4133900.2,	27.4,
27.4,	0.0);						
(600616.5,	4133902.0,	27.4,	27.4,	0.0);	(600623.6,	4133903.8,	27.4,
27.4,	0.0);						
(600630.8,	4133905.6,	27.4,	27.4,	0.0);	(600638.0,	4133907.4,	27.4,
27.4,	0.0);						
(600645.1,	4133909.1,	27.4,	27.4,	0.0);	(600652.3,	4133910.9,	27.4,
27.4,	0.0);						
(600659.4,	4133912.7,	27.4,	27.4,	0.0);	(600666.6,	4133914.5,	27.4,
27.4,	0.0);						
(600673.8,	4133916.3,	27.4,	27.4,	0.0);	(600680.9,	4133918.1,	27.4,
27.4,	0.0);						
(600688.1,	4133919.9,	27.4,	27.4,	0.0);	(600695.2,	4133921.6,	27.4,
27.4,	0.0);						
(600702.4,	4133923.4,	27.4,	27.4,	0.0);	(600709.6,	4133925.2,	27.4,
27.4,	0.0);						
(600716.7,	4133927.0,	27.4,	27.4,	0.0);	(600343.6,	4133980.5,	27.4,
27.4,	0.0);						
(600339.0,	4133986.3,	27.4,	27.4,	0.0);	(600334.3,	4133992.1,	27.4,
27.4,	0.0);						
(600320.4,	4134009.5,	27.4,	27.4,	0.0);	(600315.7,	4134015.2,	27.4,
27.4,	0.0);						
(600311.1,	4134021.0,	27.4,	27.4,	0.0);	(600306.5,	4134026.8,	27.4,
27.4,	0.0);						
(600301.8,	4134032.6,	27.4,	27.4,	0.0);	(600297.2,	4134038.4,	27.4,
27.4,	0.0);						
(600292.5,	4134044.2,	27.4,	27.4,	0.0);	(600287.9,	4134050.0,	27.4,
27.4,	0.0);						
(600283.2,	4134055.8,	27.4,	27.4,	0.0);	(600278.6,	4134061.5,	27.4,
27.4,	0.0);						
(600329.5,	4133960.5,	27.4,	27.4,	0.0);	(600335.8,	4133956.9,	27.4,
27.4,	0.0);						

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*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFault CONC ELEV

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

(600342.2,	4133953.3,	27.4,	27.4,	0.0);	(600348.5,	4133949.8,	27.4,
27.4,	0.0);						
(600354.9,	4133946.1,	27.4,	27.4,	0.0);	(600361.2,	4133942.6,	27.4,
27.4,	0.0);						
(600367.6,	4133939.0,	27.4,	27.4,	0.0);	(600373.9,	4133935.4,	27.4,
27.4,	0.0);						
(600380.2,	4133931.8,	27.4,	27.4,	0.0);	(600386.6,	4133928.2,	27.4,
27.4,	0.0);						
(600392.9,	4133924.6,	27.4,	27.4,	0.0);	(600399.3,	4133921.0,	27.4,
27.4,	0.0);						
(600418.3,	4133910.2,	27.4,	27.4,	0.0);	(600424.7,	4133906.6,	27.4,
27.4,	0.0);						
(600431.0,	4133903.1,	27.4,	27.4,	0.0);	(600437.4,	4133899.5,	27.4,
27.4,	0.0);						
(600443.7,	4133895.9,	27.4,	27.4,	0.0);	(600450.1,	4133892.3,	27.4,
27.4,	0.0);						
(600456.4,	4133888.7,	27.4,	27.4,	0.0);	(600462.8,	4133885.1,	27.4,

27.4,	0.0);						
(600469.1,	4133881.5,	27.4,	27.4,	0.0);	(600475.4,	4133877.9,	27.4,
27.4,	0.0);						
(600481.8,	4133874.3,	27.4,	27.4,	0.0);	(600488.1,	4133870.7,	27.4,
27.4,	0.0);						
(600494.5,	4133867.1,	27.4,	27.4,	0.0);	(600500.8,	4133863.6,	27.5,
27.5,	0.0);						
(600507.2,	4133860.0,	27.5,	27.5,	0.0);	(600513.5,	4133856.4,	27.5,
27.5,	0.0);						
(600527.0,	4133854.5,	27.6,	27.6,	0.0);	(600534.0,	4133856.3,	27.5,
27.5,	0.0);						
(600541.1,	4133858.1,	27.5,	27.5,	0.0);	(600548.2,	4133859.8,	27.5,
27.5,	0.0);						
(600555.2,	4133861.6,	27.5,	27.5,	0.0);	(600562.3,	4133863.4,	27.5,
27.5,	0.0);						
(600569.4,	4133865.1,	27.5,	27.5,	0.0);	(600583.6,	4133868.7,	27.6,
27.6,	0.0);						
(600590.6,	4133870.4,	27.7,	27.7,	0.0);	(600597.7,	4133872.2,	27.7,
27.7,	0.0);						
(600604.8,	4133874.0,	27.7,	27.7,	0.0);	(600611.9,	4133875.7,	27.6,
27.6,	0.0);						
(600618.9,	4133877.5,	27.6,	27.6,	0.0);	(600626.0,	4133879.2,	27.6,
27.6,	0.0);						
(600633.1,	4133881.0,	27.6,	27.6,	0.0);	(600640.2,	4133882.8,	27.6,
27.6,	0.0);						
(600647.2,	4133884.5,	27.6,	27.6,	0.0);	(600654.3,	4133886.3,	27.5,
27.5,	0.0);						
(600661.4,	4133888.1,	27.5,	27.5,	0.0);	(600668.5,	4133889.8,	27.5,
27.5,	0.0);						
(600675.5,	4133891.6,	27.5,	27.5,	0.0);	(600682.6,	4133893.4,	27.5,
27.5,	0.0);						
(600689.7,	4133895.1,	27.4,	27.4,	0.0);	(600696.8,	4133896.9,	27.4,
27.4,	0.0);						
(600703.8,	4133898.7,	27.4,	27.4,	0.0);	(600710.9,	4133900.4,	27.4,
27.4,	0.0);						
(600718.0,	4133902.2,	27.4,	27.4,	0.0);	(600725.1,	4133903.9,	27.4,
27.4,	0.0);						
(600732.1,	4133905.7,	27.4,	27.4,	0.0);	(600323.1,	4133964.1,	27.4,
27.4,	0.0);						
(600318.5,	4133969.9,	27.4,	27.4,	0.0);	(600313.8,	4133975.7,	27.4,
27.4,	0.0);						
(600299.9,	4133993.0,	27.4,	27.4,	0.0);	(600295.3,	4133998.8,	27.4,
27.4,	0.0);						
(600290.6,	4134004.6,	27.4,	27.4,	0.0);	(600286.0,	4134010.4,	27.4,
27.4,	0.0);						
(600281.3,	4134016.2,	27.4,	27.4,	0.0);	(600276.7,	4134022.0,	27.4,
27.4,	0.0);						
(600272.1,	4134027.8,	27.4,	27.4,	0.0);	(600267.4,	4134033.5,	27.4,
27.4,	0.0);						
(600262.8,	4134039.3,	27.4,	27.4,	0.0);	(600258.1,	4134045.1,	27.4,
27.4,	0.0);						
(600448.8,	4134210.2,	27.4,	27.4,	0.0);	(600439.2,	4134221.0,	27.4,
27.4,	0.0);						
(600441.9,	4134210.9,	27.4,	27.4,	0.0);	(600429.5,	4134232.2,	27.4,
27.4,	0.0);						
(600432.2,	4134221.9,	27.4,	27.4,	0.0);	(600434.9,	4134211.7,	27.4,
27.4,	0.0);						
(600437.6,	4134201.5,	27.4,	27.4,	0.0);	(600419.8,	4134243.5,	27.4,
27.4,	0.0);						
(600422.5,	4134233.2,	27.4,	27.4,	0.0);	(600425.2,	4134222.9,	27.4,
27.4,	0.0);						
(600427.9,	4134212.6,	27.4,	27.4,	0.0);	(600430.7,	4134202.3,	27.4,
27.4,	0.0);						
(600412.8,	4134244.6,	27.4,	27.4,	0.0);	(600415.5,	4134234.2,	27.4,

27.4,	0.0);						
(600418.2,	4134223.8,	27.4,	27.4,	0.0);	(600421.0,	4134213.5,	27.4,
27.4,	0.0);						
(600423.7,	4134203.1,	27.4,	27.4,	0.0);	(600426.4,	4134192.7,	27.4,
27.4,	0.0);						
(600407.3,	4134255.4,	27.4,	27.4,	0.0);	(600405.7,	4134245.7,	27.4,
27.4,	0.0);						
(600408.5,	4134235.3,	27.4,	27.4,	0.0);	(600411.2,	4134224.8,	27.4,
27.4,	0.0);						

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**MODELOPTs: RegDFault CONC ELEV

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

(600414.0,	4134214.4,	27.4,	27.4,	0.0);	(600416.7,	4134204.0,	27.4,
27.4,	0.0);						
(600419.5,	4134193.5,	27.4,	27.4,	0.0);	(600398.7,	4134246.8,	27.4,
27.4,	0.0);						
(600401.4,	4134236.3,	27.4,	27.4,	0.0);	(600404.2,	4134225.9,	27.4,
27.4,	0.0);						
(600407.0,	4134215.4,	27.4,	27.4,	0.0);	(600409.7,	4134204.9,	27.4,
27.4,	0.0);						
(600412.5,	4134194.4,	27.4,	27.4,	0.0);	(600415.2,	4134183.9,	27.4,
27.4,	0.0);						
(600387.4,	4134238.5,	27.4,	27.4,	0.0);	(600390.2,	4134227.9,	27.4,
27.4,	0.0);						
(600393.0,	4134217.4,	27.4,	27.4,	0.0);	(600395.7,	4134206.8,	27.4,
27.4,	0.0);						
(600398.5,	4134196.2,	27.4,	27.4,	0.0);	(600401.3,	4134185.6,	27.4,
27.4,	0.0);						
(600404.1,	4134175.0,	27.4,	27.4,	0.0);	(600387.2,	4134284.3,	27.4,
27.4,	0.0);						
(600381.2,	4134275.1,	27.4,	27.4,	0.0);	(600375.1,	4134265.9,	27.4,
27.4,	0.0);						
(600376.1,	4134230.1,	27.4,	27.4,	0.0);	(600378.9,	4134219.4,	27.4,
27.4,	0.0);						
(600381.7,	4134208.8,	27.4,	27.4,	0.0);	(600384.5,	4134198.1,	27.4,
27.4,	0.0);						
(600387.3,	4134187.5,	27.4,	27.4,	0.0);	(600390.1,	4134176.8,	27.4,
27.4,	0.0);						
(600392.9,	4134166.2,	27.4,	27.4,	0.0);	(600379.3,	4134296.0,	27.3,
27.3,	0.0);						
(600373.2,	4134286.8,	27.4,	27.4,	0.0);	(600367.2,	4134277.5,	27.4,
27.4,	0.0);						
(600361.1,	4134268.2,	27.4,	27.4,	0.0);	(600356.4,	4134253.6,	27.4,
27.4,	0.0);						
(600364.9,	4134221.5,	27.4,	27.4,	0.0);	(600367.7,	4134210.8,	27.4,
27.4,	0.0);						
(600370.5,	4134200.1,	27.4,	27.4,	0.0);	(600373.3,	4134189.4,	27.4,
27.4,	0.0);						
(600376.1,	4134178.7,	27.4,	27.4,	0.0);	(600367.2,	4134301.4,	27.3,
27.3,	0.0);						
(600361.4,	4134292.5,	27.4,	27.4,	0.0);	(600355.5,	4134283.6,	27.4,
27.4,	0.0);						
(600349.7,	4134274.6,	27.4,	27.4,	0.0);	(600343.8,	4134265.7,	27.3,
27.3,	0.0);						
(600342.3,	4134256.1,	27.3,	27.3,	0.0);	(600345.0,	4134245.8,	27.4,

27.4,	0.0);					
(600347.7,	4134235.5,	27.4,	27.4,	0.0);	(600353.1,	4134214.9,
27.4,	0.0);					27.4,
(600355.8,	4134204.6,	27.4,	27.4,	0.0);	(600369.4,	4134153.1,
27.4,	0.0);					27.4,
(600359.2,	4134312.9,	27.2,	27.2,	0.0);	(600353.3,	4134303.9,
27.2,	0.0);					27.2,
(600347.4,	4134295.0,	27.3,	27.3,	0.0);	(600341.5,	4134286.0,
27.3,	0.0);					27.3,
(600335.6,	4134277.0,	27.2,	27.2,	0.0);	(600329.8,	4134268.1,
27.2,	0.0);					27.2,
(600328.2,	4134258.4,	27.2,	27.2,	0.0);	(600330.9,	4134248.0,
27.3,	0.0);					27.3,
(600333.6,	4134237.6,	27.4,	27.4,	0.0);	(600336.4,	4134227.3,
27.4,	0.0);					27.4,
(600347.3,	4134185.8,	27.4,	27.4,	0.0);	(600350.0,	4134175.4,
27.4,	0.0);					27.4,
(600352.7,	4134165.0,	27.4,	27.4,	0.0);	(600355.5,	4134154.6,
27.4,	0.0);					27.4,
(600358.2,	4134144.3,	27.4,	27.4,	0.0);	(600351.2,	4134324.5,
27.1,	0.0);					27.1,
(600345.3,	4134315.5,	27.1,	27.1,	0.0);	(600339.3,	4134306.5,
27.2,	0.0);					27.2,
(600333.4,	4134297.5,	27.2,	27.2,	0.0);	(600327.5,	4134288.4,
27.2,	0.0);					27.2,
(600321.6,	4134279.4,	27.1,	27.1,	0.0);	(600315.7,	4134270.4,
27.1,	0.0);					27.1,
(600314.1,	4134260.7,	27.1,	27.1,	0.0);	(600316.8,	4134250.2,
27.2,	0.0);					27.2,
(600330.6,	4134198.0,	27.4,	27.4,	0.0);	(600333.3,	4134187.6,
27.4,	0.0);					27.4,
(600336.1,	4134177.2,	27.4,	27.4,	0.0);	(600338.8,	4134166.7,
27.4,	0.0);					27.4,
(600341.5,	4134156.3,	27.4,	27.4,	0.0);	(600344.3,	4134145.9,
27.4,	0.0);					27.4,
(600347.0,	4134135.4,	27.4,	27.4,	0.0);	(600343.2,	4134336.2,
27.1,	0.0);					27.1,
(600337.3,	4134327.1,	27.1,	27.1,	0.0);	(600331.3,	4134318.1,
27.1,	0.0);					27.1,
(600325.4,	4134309.0,	27.1,	27.1,	0.0);	(600319.4,	4134299.9,
27.1,	0.0);					27.1,
(600313.5,	4134290.9,	27.1,	27.1,	0.0);	(600307.5,	4134281.8,
27.1,	0.0);					27.1,
(600301.6,	4134272.7,	27.1,	27.1,	0.0);	(600308.3,	4134231.5,
27.2,	0.0);					27.2,
(600311.0,	4134221.0,	27.3,	27.3,	0.0);	(600313.8,	4134210.5,
27.4,	0.0);					27.4,

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600322.1,	4134179.0,	27.4,	27.4,	0.0);	(600324.8,	4134168.5,
27.4,	0.0);					27.4,
(600327.6,	4134158.0,	27.4,	27.4,	0.0);	(600330.4,	4134147.5,
27.4,	0.0);					27.4,
(600333.1,	4134137.0,	27.4,	27.4,	0.0);	(600335.9,	4134126.6,
						27.4,

27.4, (600326.2, 4134353.9, 26.8, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	0.0);	(600320.2, 4134344.8, 26.8,	26.8, 0.0);
(600314.3, 4134335.8, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	0.0);	(600308.3, 4134326.7, 26.9,	26.9, 0.0);
(600302.4, 4134317.7, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	0.0);	(600296.5, 4134308.6, 26.9,	26.9, 0.0);
(600290.5, 4134299.6, 27.0, 0.0);	27.0, 27.0, 0.0);	27.0, 27.0, 0.0);	27.0, 27.0, 0.0);	0.0);	(600284.6, 4134290.5, 27.0,	27.0, 0.0);
(600274.1, 4134267.2, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	0.0);	(600276.8, 4134256.7, 27.1,	27.1, 0.0);
(600279.6, 4134246.2, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	0.0);	(600282.3, 4134235.8, 27.1,	27.1, 0.0);
(600285.1, 4134225.3, 27.2, 0.0);	27.1, 27.2, 0.0);	27.1, 27.2, 0.0);	27.1, 27.2, 0.0);	0.0);	(600287.9, 4134214.8, 27.2,	27.2, 0.0);
(600290.6, 4134204.3, 27.4, 0.0);	27.3, 27.4, 0.0);	27.3, 27.4, 0.0);	27.3, 27.4, 0.0);	0.0);	(600293.4, 4134193.9, 27.4,	27.4, 0.0);
(600301.6, 4134162.5, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	0.0);	(600304.4, 4134152.0, 27.4,	27.4, 0.0);
(600307.1, 4134141.5, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	0.0);	(600309.9, 4134131.0, 27.4,	27.4, 0.0);
(600312.7, 4134120.6, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	0.0);	(600315.4, 4134110.1, 27.4,	27.4, 0.0);
(600312.0, 4134376.1, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	0.0);	(600306.1, 4134367.0, 26.8,	26.8, 0.0);
(600300.2, 4134358.0, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	0.0);	(600294.2, 4134348.9, 26.8,	26.8, 0.0);
(600288.3, 4134339.9, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	0.0);	(600282.4, 4134330.9, 26.8,	26.8, 0.0);
(600276.4, 4134321.8, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	0.0);	(600270.5, 4134312.8, 26.8,	26.8, 0.0);
(600258.7, 4134294.7, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	0.0);	(600252.7, 4134285.7, 26.8,	26.8, 0.0);
(600248.2, 4134271.4, 27.1, 0.0);	27.0, 27.1, 0.0);	27.0, 27.1, 0.0);	27.0, 27.1, 0.0);	0.0);	(600250.9, 4134260.9, 27.1,	27.1, 0.0);
(600253.7, 4134250.5, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	0.0);	(600256.4, 4134240.0, 27.1,	27.1, 0.0);
(600259.2, 4134229.6, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	0.0);	(600261.9, 4134219.1, 27.1,	27.1, 0.0);
(600264.7, 4134208.7, 27.2, 0.0);	27.1, 27.2, 0.0);	27.1, 27.2, 0.0);	27.1, 27.2, 0.0);	0.0);	(600267.4, 4134198.2, 27.2,	27.2, 0.0);
(600270.2, 4134187.8, 27.4, 0.0);	27.3, 27.4, 0.0);	27.3, 27.4, 0.0);	27.3, 27.4, 0.0);	0.0);	(600272.9, 4134177.3, 27.4,	27.4, 0.0);
(600281.2, 4134145.9, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	0.0);	(600283.9, 4134135.5, 27.4,	27.4, 0.0);
(600294.9, 4134093.6, 26.7, 0.0);	27.4, 26.7, 0.0);	27.4, 26.7, 0.0);	27.4, 26.7, 0.0);	0.0);	(600293.7, 4134391.8, 26.7,	26.7, 0.0);
(600287.6, 4134382.6, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	0.0);	(600281.6, 4134373.3, 26.8,	26.8, 0.0);
(600275.5, 4134364.1, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	0.0);	(600269.4, 4134354.8, 26.8,	26.8, 0.0);
(600263.4, 4134345.6, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	0.0);	(600257.3, 4134336.3, 26.8,	26.8, 0.0);
(600239.1, 4134308.6, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	0.0);	(600233.0, 4134299.3, 26.8,	26.8, 0.0);
(600227.0, 4134290.1, 26.9, 0.0);	26.8, 26.9, 0.0);	26.8, 26.9, 0.0);	26.8, 26.9, 0.0);	0.0);	(600222.3, 4134275.5, 26.9,	26.9, 0.0);
(600225.1, 4134264.8, 27.1, 0.0);	27.0, 27.1, 0.0);	27.0, 27.1, 0.0);	27.0, 27.1, 0.0);	0.0);	(600227.9, 4134254.1, 27.1,	27.1, 0.0);
(600230.7, 4134243.4, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	0.0);	(600233.6, 4134232.7, 27.1,	27.1, 0.0);
(600236.4, 4134222.0, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	0.0);	(600239.2, 4134211.3, 27.1,	27.1, 0.0);
(600242.0, 4134200.6, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	0.0);	(600244.8, 4134189.9, 27.2,	27.2, 0.0);

27.2,	0.0);					
(600247.6,	4134179.2,	27.3,	27.3,	0.0);	(600258.9,	4134136.4,
27.4,	0.0);				27.4,	
(600261.7,	4134125.7,	27.4,	27.4,	0.0);	(600264.5,	4134115.0,
27.4,	0.0);				27.4,	
(600267.3,	4134104.3,	27.4,	27.4,	0.0);	(600270.2,	4134093.6,
27.4,	0.0);				27.4,	
(600273.0,	4134082.9,	27.4,	27.4,	0.0);	(600275.8,	4134072.2,
27.4,	0.0);				27.4,	
(600279.7,	4134414.2,	26.5,	26.5,	0.0);	(600273.6,	4134405.0,
26.5,	0.0);				26.5,	
(600267.6,	4134395.7,	26.6,	26.6,	0.0);	(600261.5,	4134386.5,
26.7,	0.0);				26.7,	
(600255.5,	4134377.3,	26.8,	26.8,	0.0);	(600249.4,	4134368.1,
26.8,	0.0);				26.8,	
(600243.4,	4134358.8,	26.8,	26.8,	0.0);	(600237.3,	4134349.6,
26.8,	0.0);				26.8,	
(600225.2,	4134331.2,	26.8,	26.8,	0.0);	(600219.2,	4134322.0,
26.8,	0.0);				26.8,	
(600213.1,	4134312.7,	26.8,	26.8,	0.0);	(600207.1,	4134303.5,
26.8,	0.0);				26.8,	

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600201.0,	4134294.3,	26.8,	26.8,	0.0);	(600196.4,	4134279.7,
26.9,	0.0);				26.9,	
(600199.2,	4134269.1,	27.0,	27.0,	0.0);	(600202.0,	4134258.4,
27.1,	0.0);				27.1,	
(600204.8,	4134247.8,	27.1,	27.1,	0.0);	(600207.6,	4134237.1,
27.1,	0.0);				27.1,	
(600210.4,	4134226.4,	27.1,	27.1,	0.0);	(600221.6,	4134183.8,
27.3,	0.0);				27.3,	
(600224.4,	4134173.1,	27.4,	27.4,	0.0);	(600227.2,	4134162.4,
27.4,	0.0);				27.4,	
(600230.1,	4134151.8,	27.4,	27.4,	0.0);	(600232.9,	4134141.1,
27.4,	0.0);				27.4,	
(600238.5,	4134119.8,	27.4,	27.4,	0.0);	(600241.3,	4134109.1,
27.4,	0.0);				27.4,	
(600244.1,	4134098.4,	27.4,	27.4,	0.0);	(600246.9,	4134087.8,
27.4,	0.0);				27.4,	
(600249.7,	4134077.1,	27.4,	27.4,	0.0);	(600252.5,	4134066.4,
27.4,	0.0);				27.4,	
(600255.3,	4134055.8,	27.4,	27.4,	0.0);	(600374.5,	4134301.2,
27.3,	0.0);				27.3,	
(600337.1,	4134348.6,	26.9,	26.9,	0.0);	(600323.1,	4134366.3,
26.8,	0.0);				26.8,	
(600318.5,	4134372.2,	26.8,	26.8,	0.0);	(600309.1,	4134384.0,
26.8,	0.0);				26.8,	
(600304.4,	4134390.0,	26.7,	26.7,	0.0);	(600290.4,	4134407.7,
26.5,	0.0);				26.5,	
(600271.7,	4134431.4,	26.5,	26.5,	0.0);	(600267.1,	4134437.3,
26.5,	0.0);				26.5,	
(600234.4,	4134478.7,	26.5,	26.5,	0.0);	(600229.7,	4134484.6,
26.6,	0.0);				26.6,	
(600225.0,	4134490.5,	26.6,	26.6,	0.0);	(600201.6,	4134520.1,
					26.4,	

26.4,	0.0);						
(600197.0,	4134526.0,	26.3,	26.3,	0.0);	(600192.3,	4134531.9,	26.3,
26.3,	0.0);						
(600187.6,	4134537.8,	26.3,	26.3,	0.0);	(600183.0,	4134543.7,	26.4,
26.4,	0.0);						
(600336.2,	4134338.2,	27.0,	27.0,	0.0);	(600331.5,	4134344.1,	26.9,
26.9,	0.0);						
(600317.5,	4134361.9,	26.8,	26.8,	0.0);	(600303.5,	4134379.6,	26.8,
26.8,	0.0);						
(600298.8,	4134385.5,	26.8,	26.8,	0.0);	(600289.5,	4134397.4,	26.6,
26.6,	0.0);						
(600284.8,	4134403.3,	26.6,	26.6,	0.0);	(600266.1,	4134426.9,	26.5,
26.5,	0.0);						
(600261.5,	4134432.8,	26.5,	26.5,	0.0);	(600242.8,	4134456.5,	26.4,
26.4,	0.0);						
(600238.1,	4134462.4,	26.5,	26.5,	0.0);	(600233.4,	4134468.3,	26.5,
26.5,	0.0);						
(600228.8,	4134474.2,	26.6,	26.6,	0.0);	(600210.1,	4134497.9,	26.7,
26.7,	0.0);						
(600205.4,	4134503.8,	26.7,	26.7,	0.0);	(600200.7,	4134509.7,	26.6,
26.6,	0.0);						
(600196.0,	4134515.6,	26.5,	26.5,	0.0);	(600191.4,	4134521.5,	26.4,
26.4,	0.0);						
(600330.6,	4134333.8,	27.0,	27.0,	0.0);	(600325.9,	4134339.7,	26.9,
26.9,	0.0);						
(600316.6,	4134351.5,	26.8,	26.8,	0.0);	(600311.9,	4134357.4,	26.8,
26.8,	0.0);						
(600297.9,	4134375.2,	26.8,	26.8,	0.0);	(600283.9,	4134392.9,	26.7,
26.7,	0.0);						
(600279.2,	4134398.8,	26.6,	26.6,	0.0);	(600260.5,	4134422.5,	26.5,
26.5,	0.0);						
(600255.9,	4134428.4,	26.5,	26.5,	0.0);	(600251.2,	4134434.3,	26.5,
26.5,	0.0);						
(600246.5,	4134440.2,	26.5,	26.5,	0.0);	(600241.8,	4134446.2,	26.5,
26.5,	0.0);						
(600237.2,	4134452.1,	26.5,	26.5,	0.0);	(600232.5,	4134458.0,	26.5,
26.5,	0.0);						
(600227.8,	4134463.9,	26.6,	26.6,	0.0);	(600209.1,	4134487.5,	26.8,
26.8,	0.0);						
(600204.5,	4134493.5,	26.8,	26.8,	0.0);	(600199.8,	4134499.4,	26.8,
26.8,	0.0);						
(600195.1,	4134505.3,	26.7,	26.7,	0.0);	(600176.4,	4134528.9,	26.5,
26.5,	0.0);						
(600171.7,	4134534.9,	26.6,	26.6,	0.0);	(600395.1,	4134240.7,	27.4,
27.4,	0.0);						
(600325.0,	4134329.4,	27.0,	27.0,	0.0);	(600311.0,	4134347.1,	26.8,
26.8,	0.0);						
(600306.3,	4134353.0,	26.8,	26.8,	0.0);	(600297.0,	4134364.8,	26.8,
26.8,	0.0);						
(600292.3,	4134370.8,	26.8,	26.8,	0.0);	(600278.3,	4134388.5,	26.7,
26.7,	0.0);						
(600254.9,	4134418.1,	26.5,	26.5,	0.0);	(600250.2,	4134424.0,	26.5,
26.5,	0.0);						
(600245.6,	4134429.9,	26.5,	26.5,	0.0);	(600240.9,	4134435.8,	26.5,
26.5,	0.0);						
(600236.2,	4134441.7,	26.5,	26.5,	0.0);	(600231.6,	4134447.6,	26.5,
26.5,	0.0);						
(600212.9,	4134471.3,	26.7,	26.7,	0.0);	(600208.2,	4134477.2,	26.8,
26.8,	0.0);						

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600203.5, 4134483.1, 26.8, 26.8, 0.0);	(600198.9, 4134489.0, 26.9, 26.9, 0.0);
(600180.2, 4134512.7, 26.7, 26.7, 0.0);	(600175.5, 4134518.6, 26.7, 26.7, 0.0);
(600170.8, 4134524.5, 26.6, 26.6, 0.0);	(600166.1, 4134530.4, 26.7, 26.7, 0.0);
(600370.8, 4134259.9, 27.4, 27.4, 0.0);	(600324.1, 4134319.0, 27.1, 27.1, 0.0);
(600319.4, 4134324.9, 27.0, 27.0, 0.0);	(600305.4, 4134342.7, 26.8, 26.8, 0.0);
(600291.4, 4134360.4, 26.8, 26.8, 0.0);	(600286.7, 4134366.3, 26.8, 26.8, 0.0);
(600272.7, 4134384.1, 26.8, 26.8, 0.0);	(600249.3, 4134413.6, 26.5, 26.5, 0.0);
(600244.6, 4134419.6, 26.5, 26.5, 0.0);	(600226.0, 4134443.2, 26.6, 26.6, 0.0);
(600216.6, 4134455.0, 26.7, 26.7, 0.0);	(600211.9, 4134460.9, 26.7, 26.7, 0.0);
(600207.3, 4134466.9, 26.8, 26.8, 0.0);	(600202.6, 4134472.8, 26.8, 26.8, 0.0);
(600197.9, 4134478.7, 26.9, 26.9, 0.0);	(600179.2, 4134502.3, 26.9, 26.9, 0.0);
(600174.6, 4134508.3, 26.9, 26.9, 0.0);	(600169.9, 4134514.2, 26.8, 26.8, 0.0);
(600165.2, 4134520.1, 26.8, 26.8, 0.0);	(600160.5, 4134526.0, 26.8, 26.8, 0.0);
(600350.2, 4134262.9, 27.4, 27.4, 0.0);	(600312.9, 4134310.2, 27.0, 27.0, 0.0);
(600298.8, 4134327.9, 26.9, 26.9, 0.0);	(600294.2, 4134333.8, 26.8, 26.8, 0.0);
(600280.2, 4134351.6, 26.8, 26.8, 0.0);	(600266.1, 4134369.3, 26.8, 26.8, 0.0);
(600252.1, 4134387.0, 26.7, 26.7, 0.0);	(600238.1, 4134404.8, 26.5, 26.5, 0.0);
(600233.4, 4134410.7, 26.5, 26.5, 0.0);	(600228.8, 4134416.6, 26.6, 26.6, 0.0);
(600224.1, 4134422.5, 26.6, 26.6, 0.0);	(600219.4, 4134428.4, 26.7, 26.7, 0.0);
(600214.7, 4134434.4, 26.7, 26.7, 0.0);	(600210.1, 4134440.3, 26.8, 26.8, 0.0);
(600191.4, 4134463.9, 27.1, 27.1, 0.0);	(600186.7, 4134469.8, 27.1, 27.1, 0.0);
(600182.0, 4134475.8, 27.2, 27.2, 0.0);	(600177.4, 4134481.7, 27.2, 27.2, 0.0);
(600172.7, 4134487.6, 27.2, 27.2, 0.0);	(600168.0, 4134493.5, 27.2, 27.2, 0.0);
(600163.3, 4134499.4, 27.1, 27.1, 0.0);	(600158.7, 4134505.3, 27.0, 27.0, 0.0);
(600154.0, 4134511.2, 27.0, 27.0, 0.0);	(600149.3, 4134517.1, 27.0, 27.0, 0.0);
(600315.7, 4134283.6, 27.1, 27.1, 0.0);	(600306.3, 4134295.4, 27.1, 27.1, 0.0);
(600301.7, 4134301.3, 27.0, 27.0, 0.0);	(600287.6, 4134319.0, 26.8, 26.8, 0.0);
(600273.6, 4134336.8, 26.8, 26.8, 0.0);	(600259.6, 4134354.5, 26.8, 26.8, 0.0);
(600254.9, 4134360.4, 26.8, 26.8, 0.0);	(600240.9, 4134378.2, 26.8, 26.8, 0.0);

26.8,	0.0);						
(600226.9,	4134395.9,	26.7,	26.7,	0.0);	(600222.2,	4134401.8,	26.7,
26.7,	0.0);						
(600217.6,	4134407.8,	26.7,	26.7,	0.0);	(600203.5,	4134425.5,	26.8,
26.8,	0.0);						
(600194.2,	4134437.3,	27.0,	27.0,	0.0);	(600189.5,	4134443.2,	27.1,
27.1,	0.0);						
(600184.8,	4134449.2,	27.2,	27.2,	0.0);	(600180.2,	4134455.1,	27.3,
27.3,	0.0);						
(600175.5,	4134461.0,	27.4,	27.4,	0.0);	(600170.8,	4134466.9,	27.4,
27.4,	0.0);						
(600166.2,	4134472.8,	27.4,	27.4,	0.0);	(600161.5,	4134478.7,	27.3,
27.3,	0.0);						
(600156.8,	4134484.6,	27.2,	27.2,	0.0);	(600152.1,	4134490.5,	27.2,
27.2,	0.0);						
(600147.5,	4134496.5,	27.1,	27.1,	0.0);	(600142.8,	4134502.4,	27.1,
27.1,	0.0);						
(600138.1,	4134508.3,	27.2,	27.2,	0.0);	(600299.8,	4134280.6,	27.1,
27.1,	0.0);						
(600295.1,	4134286.5,	27.1,	27.1,	0.0);	(600281.1,	4134304.3,	26.9,
26.9,	0.0);						
(600267.1,	4134322.0,	26.8,	26.8,	0.0);	(600262.4,	4134327.9,	26.8,
26.8,	0.0);						
(600248.4,	4134345.7,	26.8,	26.8,	0.0);	(600234.4,	4134363.4,	26.8,
26.8,	0.0);						
(600229.7,	4134369.3,	26.8,	26.8,	0.0);	(600215.7,	4134387.1,	26.8,
26.8,	0.0);						
(600211.0,	4134393.0,	26.8,	26.8,	0.0);	(600206.3,	4134398.9,	26.8,
26.8,	0.0);						
(600201.7,	4134404.8,	26.8,	26.8,	0.0);	(600197.0,	4134410.7,	26.9,
26.9,	0.0);						
(600192.3,	4134416.6,	27.0,	27.0,	0.0);	(600187.7,	4134422.6,	27.1,
27.1,	0.0);						

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**MODELOPTs: RegDEFAULT CONC ELEV

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

(600183.0,	4134428.5,	27.2,	27.2,	0.0);	(600178.3,	4134434.4,	27.3,
27.3,	0.0);						
(600173.6,	4134440.3,	27.4,	27.4,	0.0);	(600169.0,	4134446.2,	27.4,
27.4,	0.0);						
(600164.3,	4134452.1,	27.4,	27.4,	0.0);	(600159.6,	4134458.0,	27.4,
27.4,	0.0);						
(600154.9,	4134463.9,	27.4,	27.4,	0.0);	(600150.3,	4134469.9,	27.4,
27.4,	0.0);						
(600145.6,	4134475.8,	27.3,	27.3,	0.0);	(600140.9,	4134481.7,	27.3,
27.3,	0.0);						
(600136.2,	4134487.6,	27.2,	27.2,	0.0);	(600131.6,	4134493.5,	27.2,
27.2,	0.0);						
(600126.9,	4134499.4,	27.1,	27.1,	0.0);	(600370.8,	4134144.6,	27.4,
27.4,	0.0);						
(600342.8,	4134180.1,	27.4,	27.4,	0.0);	(600300.7,	4134233.3,	27.2,
27.2,	0.0);						
(600296.1,	4134239.3,	27.1,	27.1,	0.0);	(600291.4,	4134245.2,	27.1,
27.1,	0.0);						
(600286.7,	4134251.1,	27.1,	27.1,	0.0);	(600268.0,	4134274.7,	27.0,

27.0, (600263.4, 4134280.7, 26.8, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600249.3, 4134298.4, 26.8,
(600244.7, 4134304.3, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600235.3, 4134316.1, 26.8,
(600230.6, 4134322.0, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600216.6, 4134339.8, 26.8,
(600212.0, 4134345.7, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600207.3, 4134351.6, 26.8,
(600193.3, 4134369.4, 26.8, 0.0);	26.9, 26.8, 0.0);	26.9, 26.8, 0.0);	26.9, 26.8, 0.0);	(600188.6, 4134375.3, 26.8,
(600183.9, 4134381.2, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600179.2, 4134387.1, 26.9,
(600174.6, 4134393.0, 27.1, 0.0);	27.0, 27.1, 0.0);	27.0, 27.1, 0.0);	27.0, 27.1, 0.0);	(600169.9, 4134398.9, 27.1,
(600165.2, 4134404.8, 27.3, 0.0);	27.2, 27.3, 0.0);	27.2, 27.3, 0.0);	27.2, 27.3, 0.0);	(600160.6, 4134410.8, 27.3,
(600155.9, 4134416.7, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600151.2, 4134422.6, 27.4,
(600146.5, 4134428.5, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600141.9, 4134434.4, 27.4,
(600137.2, 4134440.3, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600132.5, 4134446.2, 27.4,
(600127.9, 4134452.2, 27.3, 0.0);	27.4, 27.3, 0.0);	27.4, 27.3, 0.0);	27.4, 27.3, 0.0);	(600123.2, 4134458.1, 27.3,
(600118.5, 4134464.0, 27.4, 0.0);	27.2, 27.4, 0.0);	27.2, 27.4, 0.0);	27.2, 27.4, 0.0);	(600359.6, 4134135.8, 27.4,
(600331.6, 4134171.3, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600308.2, 4134200.8, 27.4,
(600303.5, 4134206.8, 27.3, 0.0);	27.4, 27.3, 0.0);	27.4, 27.3, 0.0);	27.4, 27.3, 0.0);	(600298.9, 4134212.7, 27.3,
(600294.2, 4134218.6, 27.1, 0.0);	27.2, 27.1, 0.0);	27.2, 27.1, 0.0);	27.2, 27.1, 0.0);	(600270.8, 4134248.1, 27.1,
(600266.2, 4134254.1, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600261.5, 4134260.0, 27.1,
(600256.8, 4134265.9, 26.9, 0.0);	27.0, 26.9, 0.0);	27.0, 26.9, 0.0);	27.0, 26.9, 0.0);	(600242.8, 4134283.6, 26.9,
(600238.1, 4134289.5, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600224.1, 4134307.3, 26.8,
(600210.1, 4134325.0, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	26.8, 26.8, 0.0);	(600205.4, 4134330.9, 26.8,
(600200.8, 4134336.8, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600196.1, 4134342.8, 26.9,
(600182.1, 4134360.5, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600177.4, 4134366.4, 26.9,
(600172.7, 4134372.3, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	26.9, 26.9, 0.0);	(600168.0, 4134378.2, 26.9,
(600163.4, 4134384.2, 27.1, 0.0);	27.0, 27.1, 0.0);	27.0, 27.1, 0.0);	27.0, 27.1, 0.0);	(600158.7, 4134390.1, 27.1,
(600154.0, 4134396.0, 27.3, 0.0);	27.2, 27.3, 0.0);	27.2, 27.3, 0.0);	27.2, 27.3, 0.0);	(600149.4, 4134401.9, 27.3,
(600144.7, 4134407.8, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600140.0, 4134413.7, 27.4,
(600135.3, 4134419.6, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600130.7, 4134425.6, 27.4,
(600126.0, 4134431.5, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600121.3, 4134437.4, 27.4,
(600116.6, 4134443.3, 27.3, 0.0);	27.4, 27.3, 0.0);	27.4, 27.3, 0.0);	27.4, 27.3, 0.0);	(600112.0, 4134449.2, 27.3,
(600107.3, 4134455.1, 27.2, 0.0);	27.2, 27.2, 0.0);	27.2, 27.2, 0.0);	27.2, 27.2, 0.0);	(600102.6, 4134461.0, 27.2,
(600098.0, 4134466.9, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	27.1, 27.1, 0.0);	(600093.3, 4134472.9, 27.1,
(600348.4, 4134126.9, 27.4,	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	27.4, 27.4, 0.0);	(600320.4, 4134162.4, 27.4,

27.4,	0.0);						
(600315.7,	4134168.3,	27.4,	27.4,	0.0);	(600311.0,	4134174.2,	27.4,
27.4,	0.0);						
(600283.0,	4134209.7,	27.2,	27.2,	0.0);	(600278.3,	4134215.6,	27.2,
27.2,	0.0);						
(600273.6,	4134221.5,	27.1,	27.1,	0.0);	(600269.0,	4134227.5,	27.1,
27.1,	0.0);						

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600240.9,	4134262.9,	27.1,	27.1,	0.0);	(600236.3,	4134268.9,	27.0,
27.0,	0.0);						
(600231.6,	4134274.8,	26.9,	26.9,	0.0);	(600226.9,	4134280.7,	26.9,
26.9,	0.0);						
(600217.6,	4134292.5,	26.8,	26.8,	0.0);	(600212.9,	4134298.4,	26.8,
26.8,	0.0);						
(600203.6,	4134310.2,	26.8,	26.8,	0.0);	(600198.9,	4134316.2,	26.9,
26.9,	0.0);						
(600194.2,	4134322.1,	26.9,	26.9,	0.0);	(600189.5,	4134328.0,	27.0,
27.0,	0.0);						
(600184.9,	4134333.9,	27.0,	27.0,	0.0);	(600170.9,	4134351.6,	27.1,
27.1,	0.0);						
(600166.2,	4134357.6,	27.0,	27.0,	0.0);	(600161.5,	4134363.5,	27.0,
27.0,	0.0);						
(600156.8,	4134369.4,	27.0,	27.0,	0.0);	(600152.2,	4134375.3,	27.0,
27.0,	0.0);						
(600147.5,	4134381.2,	27.1,	27.1,	0.0);	(600142.8,	4134387.1,	27.2,
27.2,	0.0);						
(600138.1,	4134393.0,	27.3,	27.3,	0.0);	(600133.5,	4134399.0,	27.4,
27.4,	0.0);						
(600128.8,	4134404.9,	27.4,	27.4,	0.0);	(600124.1,	4134410.8,	27.4,
27.4,	0.0);						
(600119.5,	4134416.7,	27.4,	27.4,	0.0);	(600114.8,	4134422.6,	27.4,
27.4,	0.0);						
(600110.1,	4134428.5,	27.4,	27.4,	0.0);	(600105.4,	4134434.4,	27.4,
27.4,	0.0);						
(600100.8,	4134440.4,	27.3,	27.3,	0.0);	(600096.1,	4134446.3,	27.2,
27.2,	0.0);						
(600091.4,	4134452.2,	27.2,	27.2,	0.0);	(600086.7,	4134458.1,	27.1,
27.1,	0.0);						
(600082.1,	4134464.0,	27.1,	27.1,	0.0);	(600332.5,	4134104.7,	27.4,
27.4,	0.0);						
(600327.8,	4134110.6,	27.4,	27.4,	0.0);	(600323.1,	4134116.6,	27.4,
27.4,	0.0);						
(600299.8,	4134146.1,	27.4,	27.4,	0.0);	(600295.1,	4134152.0,	27.4,
27.4,	0.0);						
(600290.4,	4134158.0,	27.4,	27.4,	0.0);	(600262.4,	4134193.4,	27.2,
27.2,	0.0);						
(600257.7,	4134199.4,	27.1,	27.1,	0.0);	(600253.0,	4134205.3,	27.1,
27.1,	0.0);						
(600248.4,	4134211.2,	27.1,	27.1,	0.0);	(600243.7,	4134217.1,	27.1,
27.1,	0.0);						
(600220.3,	4134246.7,	27.1,	27.1,	0.0);	(600215.7,	4134252.6,	27.1,
27.1,	0.0);						
(600211.0,	4134258.5,	27.1,	27.1,	0.0);	(600206.3,	4134264.4,	27.1,

27.1,	0.0);						
(600187.6,	4134288.1,	27.0,	27.0,	0.0);	(600183.0,	4134294.0,	27.0,
27.0,	0.0);						
(600178.3,	4134299.9,	27.1,	27.1,	0.0);	(600173.6,	4134305.8,	27.1,
27.1,	0.0);						
(600168.9,	4134311.7,	27.1,	27.1,	0.0);	(600164.3,	4134317.6,	27.1,
27.1,	0.0);						
(600150.2,	4134335.4,	27.1,	27.1,	0.0);	(600145.6,	4134341.3,	27.1,
27.1,	0.0);						
(600140.9,	4134347.2,	27.2,	27.2,	0.0);	(600136.2,	4134353.1,	27.2,
27.2,	0.0);						
(600131.6,	4134359.0,	27.2,	27.2,	0.0);	(600126.9,	4134364.9,	27.3,
27.3,	0.0);						
(600122.2,	4134370.9,	27.3,	27.3,	0.0);	(600117.5,	4134376.8,	27.4,
27.4,	0.0);						
(600112.9,	4134382.7,	27.4,	27.4,	0.0);	(600108.2,	4134388.6,	27.4,
27.4,	0.0);						
(600103.5,	4134394.5,	27.4,	27.4,	0.0);	(600098.9,	4134400.4,	27.4,
27.4,	0.0);						
(600094.2,	4134406.3,	27.4,	27.4,	0.0);	(600089.5,	4134412.3,	27.4,
27.4,	0.0);						
(600084.8,	4134418.2,	27.3,	27.3,	0.0);	(600080.2,	4134424.1,	27.2,
27.2,	0.0);						
(600075.5,	4134430.0,	27.1,	27.1,	0.0);	(600070.8,	4134435.9,	27.0,
27.0,	0.0);						
(600066.2,	4134441.8,	26.9,	26.9,	0.0);	(600061.5,	4134447.7,	26.9,
26.9,	0.0);						
(600291.3,	4134072.2,	27.4,	27.4,	0.0);	(600286.6,	4134078.1,	27.4,
27.4,	0.0);						
(600281.9,	4134084.0,	27.4,	27.4,	0.0);	(600277.3,	4134089.9,	27.4,
27.4,	0.0);						
(600253.9,	4134119.5,	27.4,	27.4,	0.0);	(600249.2,	4134125.4,	27.4,
27.4,	0.0);						
(600216.5,	4134166.8,	27.4,	27.4,	0.0);	(600211.9,	4134172.7,	27.4,
27.4,	0.0);						
(600207.2,	4134178.6,	27.3,	27.3,	0.0);	(600202.5,	4134184.5,	27.2,
27.2,	0.0);						
(600197.8,	4134190.5,	27.2,	27.2,	0.0);	(600193.2,	4134196.4,	27.1,
27.1,	0.0);						
(600188.5,	4134202.3,	27.1,	27.1,	0.0);	(600183.8,	4134208.2,	27.1,
27.1,	0.0);						
(600179.1,	4134214.1,	27.1,	27.1,	0.0);	(600174.5,	4134220.0,	27.1,
27.1,	0.0);						
(600169.8,	4134225.9,	27.1,	27.1,	0.0);	(600165.1,	4134231.9,	27.1,
27.1,	0.0);						

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 *** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600160.5,	4134237.8,	27.1,	27.1,	0.0);	(600155.8,	4134243.7,	27.1,
27.1,	0.0);						
(600151.1,	4134249.6,	27.1,	27.1,	0.0);	(600146.4,	4134255.5,	27.1,
27.1,	0.0);						
(600141.8,	4134261.4,	27.1,	27.1,	0.0);	(600137.1,	4134267.3,	27.1,
27.1,	0.0);						
(600132.4,	4134273.3,	27.1,	27.1,	0.0);	(600127.7,	4134279.2,	27.1,

27.1,	0.0);						
(600123.1,	4134285.1,	27.1,	27.1,	0.0);	(600109.1,	4134302.8,	27.2,
27.2,	0.0);						
(600104.4,	4134308.7,	27.2,	27.2,	0.0);	(600099.7,	4134314.7,	27.3,
27.3,	0.0);						
(600095.0,	4134320.6,	27.3,	27.3,	0.0);	(600090.4,	4134326.5,	27.4,
27.4,	0.0);						
(600085.7,	4134332.4,	27.4,	27.4,	0.0);	(600081.0,	4134338.3,	27.4,
27.4,	0.0);						
(600076.4,	4134344.2,	27.4,	27.4,	0.0);	(600071.7,	4134350.1,	27.3,
27.3,	0.0);						
(600067.0,	4134356.0,	27.3,	27.3,	0.0);	(600062.3,	4134362.0,	27.2,
27.2,	0.0);						
(600057.7,	4134367.9,	27.2,	27.2,	0.0);	(600053.0,	4134373.8,	27.1,
27.1,	0.0);						
(600048.3,	4134379.7,	27.0,	27.0,	0.0);	(600043.6,	4134385.6,	26.9,
26.9,	0.0);						
(600039.0,	4134391.5,	26.8,	26.8,	0.0);	(600034.3,	4134397.4,	26.7,
26.7,	0.0);						
(600029.6,	4134403.4,	26.6,	26.6,	0.0);	(600025.0,	4134409.3,	26.5,
26.5,	0.0);						
(600020.3,	4134415.2,	26.5,	26.5,	0.0);	(600270.7,	4134055.9,	27.4,
27.4,	0.0);						
(600266.0,	4134061.8,	27.4,	27.4,	0.0);	(600261.3,	4134067.8,	27.4,
27.4,	0.0);						
(600256.7,	4134073.7,	27.4,	27.4,	0.0);	(600233.3,	4134103.2,	27.4,
27.4,	0.0);						
(600228.6,	4134109.1,	27.4,	27.4,	0.0);	(600214.6,	4134126.9,	27.4,
27.4,	0.0);						
(600209.9,	4134132.8,	27.4,	27.4,	0.0);	(600205.3,	4134138.7,	27.4,
27.4,	0.0);						
(600200.6,	4134144.6,	27.4,	27.4,	0.0);	(600195.9,	4134150.5,	27.4,
27.4,	0.0);						
(600191.2,	4134156.4,	27.4,	27.4,	0.0);	(600186.6,	4134162.4,	27.4,
27.4,	0.0);						
(600181.9,	4134168.3,	27.4,	27.4,	0.0);	(600177.2,	4134174.2,	27.4,
27.4,	0.0);						
(600172.6,	4134180.1,	27.3,	27.3,	0.0);	(600167.9,	4134186.0,	27.2,
27.2,	0.0);						
(600163.2,	4134191.9,	27.2,	27.2,	0.0);	(600158.5,	4134197.8,	27.1,
27.1,	0.0);						
(600153.9,	4134203.8,	27.1,	27.1,	0.0);	(600149.2,	4134209.7,	27.1,
27.1,	0.0);						
(600144.5,	4134215.6,	27.1,	27.1,	0.0);	(600139.9,	4134221.5,	27.1,
27.1,	0.0);						
(600135.2,	4134227.4,	27.1,	27.1,	0.0);	(600130.5,	4134233.3,	27.1,
27.1,	0.0);						
(600125.8,	4134239.2,	27.1,	27.1,	0.0);	(600121.2,	4134245.2,	27.1,
27.1,	0.0);						
(600116.5,	4134251.1,	27.1,	27.1,	0.0);	(600111.8,	4134257.0,	27.1,
27.1,	0.0);						
(600107.2,	4134262.9,	27.1,	27.1,	0.0);	(600102.5,	4134268.8,	27.1,
27.1,	0.0);						
(600088.5,	4134286.6,	27.1,	27.1,	0.0);	(600083.8,	4134292.5,	27.2,
27.2,	0.0);						
(600079.1,	4134298.4,	27.2,	27.2,	0.0);	(600074.4,	4134304.3,	27.3,
27.3,	0.0);						
(600069.8,	4134310.2,	27.3,	27.3,	0.0);	(600065.1,	4134316.1,	27.2,
27.2,	0.0);						
(600060.4,	4134322.0,	27.2,	27.2,	0.0);	(600055.8,	4134327.9,	27.2,
27.2,	0.0);						
(600051.1,	4134333.9,	27.1,	27.1,	0.0);	(600046.4,	4134339.8,	27.1,
27.1,	0.0);						
(600041.7,	4134345.7,	27.0,	27.0,	0.0);	(600037.1,	4134351.6,	27.0,

27.0,	0.0);						
(600032.4,	4134357.5,	26.9,	26.9,	0.0);	(600027.7,	4134363.4,	26.9,
26.9,	0.0);						
(600023.0,	4134369.3,	26.8,	26.8,	0.0);	(600018.4,	4134375.3,	26.8,
26.8,	0.0);						
(600013.7,	4134381.2,	26.7,	26.7,	0.0);	(600009.0,	4134387.1,	26.6,
26.6,	0.0);						
(600004.4,	4134393.0,	26.6,	26.6,	0.0);	(599999.7,	4134398.9,	26.5,
26.5,	0.0);						
(600180.7,	4134609.1,	26.8,	26.8,	0.0);	(600178.1,	4134600.1,	26.8,
26.8,	0.0);						
(600173.8,	4134611.1,	26.8,	26.8,	0.0);	(600167.7,	4134623.3,	26.8,
26.8,	0.0);						
(600157.5,	4134605.6,	26.9,	26.9,	0.0);	(600159.7,	4134594.7,	26.9,
26.9,	0.0);						
(600168.5,	4134551.2,	26.6,	26.6,	0.0);	(600153.3,	4134617.0,	26.8,
26.8,	0.0);						
(600150.7,	4134607.4,	26.9,	26.9,	0.0);	(600152.9,	4134596.4,	27.0,
27.0,	0.0);						

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

(600155.1,	4134585.4,	27.0,	27.0,	0.0);	(600163.9,	4134541.4,	26.7,
26.7,	0.0);						
(600150.3,	4134623.2,	26.8,	26.8,	0.0);	(600143.8,	4134609.3,	26.9,
26.9,	0.0);						
(600146.0,	4134598.2,	27.0,	27.0,	0.0);	(600148.2,	4134587.1,	27.1,
27.1,	0.0);						
(600157.2,	4134542.7,	26.8,	26.8,	0.0);	(600147.3,	4134638.8,	26.6,
26.6,	0.0);						
(600140.0,	4134630.7,	26.7,	26.7,	0.0);	(600132.6,	4134622.7,	26.8,
26.8,	0.0);						
(600130.0,	4134613.3,	26.9,	26.9,	0.0);	(600132.1,	4134602.6,	27.0,
27.0,	0.0);						
(600134.3,	4134591.9,	27.1,	27.1,	0.0);	(600136.4,	4134581.3,	27.1,
27.1,	0.0);						
(600138.6,	4134570.6,	27.2,	27.2,	0.0);	(600145.0,	4134538.5,	27.1,
27.1,	0.0);						
(600147.2,	4134527.8,	27.1,	27.1,	0.0);	(600141.4,	4134651.1,	26.5,
26.5,	0.0);						
(600133.9,	4134642.9,	26.6,	26.6,	0.0);	(600126.4,	4134634.8,	26.6,
26.6,	0.0);						
(600118.9,	4134626.6,	26.7,	26.7,	0.0);	(600116.2,	4134617.1,	26.8,
26.8,	0.0);						
(600118.4,	4134606.2,	26.9,	26.9,	0.0);	(600120.6,	4134595.3,	27.0,
27.0,	0.0);						
(600122.8,	4134584.4,	27.1,	27.1,	0.0);	(600125.0,	4134573.6,	27.2,
27.2,	0.0);						
(600127.2,	4134562.7,	27.3,	27.3,	0.0);	(600133.7,	4134530.0,	27.2,
27.2,	0.0);						
(600135.9,	4134519.2,	27.2,	27.2,	0.0);	(600131.8,	4134659.5,	26.5,
26.5,	0.0);						
(600124.2,	4134651.2,	26.5,	26.5,	0.0);	(600116.6,	4134642.9,	26.6,
26.6,	0.0);						
(600109.0,	4134634.6,	26.7,	26.7,	0.0);	(600102.5,	4134620.8,	26.8,

26.8,	0.0);						
(600104.7,	4134609.8,	26.9,	26.9,	0.0);	(600106.9,	4134598.8,	27.0,
27.0,	0.0);						
(600109.2,	4134587.7,	27.1,	27.1,	0.0);	(600111.4,	4134576.7,	27.2,
27.2,	0.0);						
(600113.6,	4134565.6,	27.3,	27.3,	0.0);	(600115.8,	4134554.6,	27.4,
27.4,	0.0);						
(600122.5,	4134521.5,	27.3,	27.3,	0.0);	(600124.7,	4134510.5,	27.2,
27.2,	0.0);						
(600126.1,	4134672.2,	26.5,	26.5,	0.0);	(600118.4,	4134663.8,	26.5,
26.5,	0.0);						
(600110.7,	4134655.4,	26.5,	26.5,	0.0);	(600103.0,	4134647.0,	26.6,
26.6,	0.0);						
(600095.3,	4134638.6,	26.7,	26.7,	0.0);	(600088.7,	4134624.6,	26.8,
26.8,	0.0);						
(600091.0,	4134613.4,	26.9,	26.9,	0.0);	(600093.2,	4134602.2,	27.0,
27.0,	0.0);						
(600095.5,	4134591.1,	27.1,	27.1,	0.0);	(600097.7,	4134579.9,	27.2,
27.2,	0.0);						
(600100.0,	4134568.8,	27.3,	27.3,	0.0);	(600102.2,	4134557.6,	27.4,
27.4,	0.0);						
(600104.5,	4134546.4,	27.4,	27.4,	0.0);	(600111.2,	4134512.9,	27.3,
27.3,	0.0);						
(600113.5,	4134501.8,	27.2,	27.2,	0.0);	(600199.8,	4134741.1,	26.2,
26.2,	0.0);						
(600115.1,	4134679.0,	26.5,	26.5,	0.0);	(600107.6,	4134670.8,	26.5,
26.5,	0.0);						
(600100.1,	4134662.6,	26.6,	26.6,	0.0);	(600092.6,	4134654.4,	26.7,
26.7,	0.0);						
(600085.1,	4134646.3,	26.8,	26.8,	0.0);	(600077.6,	4134638.1,	26.8,
26.8,	0.0);						
(600075.0,	4134628.6,	26.8,	26.8,	0.0);	(600077.1,	4134617.7,	26.8,
26.8,	0.0);						
(600079.3,	4134606.8,	26.9,	26.9,	0.0);	(600081.5,	4134595.9,	27.0,
27.0,	0.0);						
(600083.7,	4134585.1,	27.1,	27.1,	0.0);	(600085.9,	4134574.2,	27.2,
27.2,	0.0);						
(600088.1,	4134563.3,	27.4,	27.4,	0.0);	(600090.3,	4134552.4,	27.4,
27.4,	0.0);						
(600092.5,	4134541.5,	27.3,	27.3,	0.0);	(600094.6,	4134530.7,	27.3,
27.3,	0.0);						
(600194.8,	4134754.5,	26.3,	26.3,	0.0);	(600113.2,	4134695.7,	26.3,
26.3,	0.0);						
(600105.6,	4134687.5,	26.4,	26.4,	0.0);	(600098.0,	4134679.2,	26.5,
26.5,	0.0);						
(600090.4,	4134670.9,	26.6,	26.6,	0.0);	(600082.8,	4134662.6,	26.7,
26.7,	0.0);						
(600075.3,	4134654.4,	26.7,	26.7,	0.0);	(600067.7,	4134646.1,	26.8,
26.8,	0.0);						
(600061.2,	4134632.3,	26.8,	26.8,	0.0);	(600063.4,	4134621.3,	26.8,
26.8,	0.0);						
(600065.6,	4134610.3,	26.9,	26.9,	0.0);	(600067.8,	4134599.3,	27.0,
27.0,	0.0);						
(600070.1,	4134588.3,	27.1,	27.1,	0.0);	(600072.3,	4134577.3,	27.2,
27.2,	0.0);						
(600074.5,	4134566.3,	27.3,	27.3,	0.0);	(600076.7,	4134555.3,	27.4,
27.4,	0.0);						

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

01/05/16

*** AERMET - VERSION 15181 ***

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

(600078.9, 4134544.3, 27.3, 27.3, 0.0);	(600090.0, 4134489.4, 27.1,
27.1, 0.0);	0.0);
(600189.8, 4134767.9, 26.4, 26.4, 0.0);	(600103.7, 4134704.3, 26.2,
26.2, 0.0);	0.0);
(600096.1, 4134695.9, 26.3, 26.3, 0.0);	(600088.4, 4134687.6, 26.4,
26.4, 0.0);	0.0);
(600080.8, 4134679.2, 26.5, 26.5, 0.0);	(600073.1, 4134670.9, 26.6,
26.6, 0.0);	0.0);
(600065.5, 4134662.5, 26.7, 26.7, 0.0);	(600057.8, 4134654.2, 26.7,
26.7, 0.0);	0.0);
(600050.2, 4134645.8, 26.8, 26.8, 0.0);	(600047.5, 4134636.1, 26.8,
26.8, 0.0);	0.0);
(600049.7, 4134625.0, 26.8, 26.8, 0.0);	(600051.9, 4134613.9, 26.9,
26.9, 0.0);	0.0);
(600054.2, 4134602.8, 27.0, 27.0, 0.0);	(600056.4, 4134591.7, 27.1,
27.1, 0.0);	0.0);
(600058.6, 4134580.6, 27.1, 27.1, 0.0);	(600060.9, 4134569.5, 27.2,
27.2, 0.0);	0.0);
(600063.1, 4134558.4, 27.2, 27.2, 0.0);	(600078.7, 4134480.7, 27.1,
27.1, 0.0);	0.0);
(600174.1, 4134777.3, 26.2, 26.2, 0.0);	(600184.8, 4134781.3, 26.3,
26.3, 0.0);	0.0);
(600155.7, 4134795.6, 26.2, 26.2, 0.0);	(600086.5, 4134720.1, 26.1,
26.1, 0.0);	0.0);
(600078.8, 4134711.7, 26.2, 26.2, 0.0);	(600071.1, 4134703.3, 26.2,
26.2, 0.0);	0.0);
(600063.4, 4134694.9, 26.3, 26.3, 0.0);	(600055.7, 4134686.5, 26.4,
26.4, 0.0);	0.0);
(600048.0, 4134678.1, 26.5, 26.5, 0.0);	(600040.3, 4134669.7, 26.6,
26.6, 0.0);	0.0);
(600032.6, 4134661.3, 26.7, 26.7, 0.0);	(600024.9, 4134652.9, 26.8,
26.8, 0.0);	0.0);
(600022.2, 4134643.1, 26.8, 26.8, 0.0);	(600024.4, 4134632.0, 26.8,
26.8, 0.0);	0.0);
(600026.7, 4134620.8, 26.8, 26.8, 0.0);	(600028.9, 4134609.6, 26.9,
26.9, 0.0);	0.0);
(600031.2, 4134598.5, 27.0, 27.0, 0.0);	(600042.4, 4134542.6, 27.1,
27.1, 0.0);	0.0);
(600044.6, 4134531.5, 27.1, 27.1, 0.0);	(600046.9, 4134520.3, 27.1,
27.1, 0.0);	0.0);
(600058.1, 4134464.5, 26.9, 26.9, 0.0);	(600164.9, 4134801.8, 26.2,
26.2, 0.0);	0.0);
(600175.6, 4134805.8, 26.2, 26.2, 0.0);	(600146.6, 4134820.3, 26.0,
26.0, 0.0);	0.0);
(600139.0, 4134812.1, 26.0, 26.0, 0.0);	(600071.2, 4134738.0, 25.9,
25.9, 0.0);	0.0);
(600063.6, 4134729.8, 26.0, 26.0, 0.0);	(600056.1, 4134721.6, 26.1,
26.1, 0.0);	0.0);
(600048.5, 4134713.3, 26.1, 26.1, 0.0);	(600041.0, 4134705.1, 26.2,
26.2, 0.0);	0.0);
(600033.5, 4134696.9, 26.3, 26.3, 0.0);	(600025.9, 4134688.7, 26.4,
26.4, 0.0);	0.0);
(600018.4, 4134680.4, 26.5, 26.5, 0.0);	(600010.8, 4134672.2, 26.6,
26.6, 0.0);	0.0);
(600003.3, 4134664.0, 26.6, 26.6, 0.0);	(599996.9, 4134650.3, 26.8,
26.8, 0.0);	0.0);
(599999.1, 4134639.3, 26.8, 26.8, 0.0);	(600001.3, 4134628.4, 26.8,
26.8, 0.0);	0.0);
(600010.1, 4134584.6, 27.1, 27.1, 0.0);	(600012.3, 4134573.7, 27.1,

27.1,	0.0);					
(600014.5,	4134562.8,	27.1,	27.1,	0.0);	(600016.7,	4134551.8,
27.1,	0.0);				27.1,	
(600018.9,	4134540.9,	27.1,	27.1,	0.0);	(600021.1,	4134529.9,
27.1,	0.0);				27.1,	
(600023.3,	4134519.0,	27.1,	27.1,	0.0);	(600025.5,	4134508.0,
26.9,	0.0);				26.9,	
(600027.7,	4134497.1,	26.8,	26.8,	0.0);	(600038.7,	4134442.4,
26.7,	0.0);				26.7,	
(600155.7,	4134826.4,	26.0,	26.0,	0.0);	(600166.3,	4134830.4,
26.1,	0.0);				26.1,	
(600137.3,	4134844.9,	25.7,	25.7,	0.0);	(600129.8,	4134836.6,
25.7,	0.0);				25.7,	
(600053.9,	4134753.8,	25.9,	25.9,	0.0);	(600046.3,	4134745.6,
25.9,	0.0);				25.9,	
(600038.7,	4134737.3,	25.9,	25.9,	0.0);	(600031.2,	4134729.0,
26.0,	0.0);				26.0,	
(600023.6,	4134720.7,	26.1,	26.1,	0.0);	(600016.0,	4134712.5,
26.2,	0.0);				26.2,	
(600008.4,	4134704.2,	26.2,	26.2,	0.0);	(600000.8,	4134695.9,
26.3,	0.0);				26.3,	
(599993.2,	4134687.6,	26.4,	26.4,	0.0);	(599985.6,	4134679.3,
26.5,	0.0);				26.5,	
(599978.1,	4134671.1,	26.5,	26.5,	0.0);	(599980.4,	4134613.3,
26.8,	0.0);				26.8,	
(599982.7,	4134602.3,	26.9,	26.9,	0.0);	(599984.9,	4134591.3,
27.0,	0.0);				27.0,	
(599987.1,	4134580.3,	27.1,	27.1,	0.0);	(599989.3,	4134569.3,
27.1,	0.0);				27.1,	
(599991.5,	4134558.3,	27.1,	27.1,	0.0);	(599993.7,	4134547.2,
27.1,	0.0);				27.1,	

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*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

(599995.9,	4134536.2,	27.1,	27.1,	0.0);	(599998.1,	4134525.2,	27.1,
27.1,	0.0);						
(600018.1,	4134426.2,	26.5,	26.5,	0.0);	(600146.5,	4134851.0,	25.7,
25.7,	0.0);						
(600157.1,	4134855.0,	25.8,	25.8,	0.0);	(600128.1,	4134869.4,	25.4,
25.4,	0.0);						
(600120.5,	4134861.1,	25.5,	25.5,	0.0);	(600112.9,	4134852.8,	25.6,
25.6,	0.0);						
(600036.6,	4134769.6,	25.9,	25.9,	0.0);	(600029.0,	4134761.3,	25.9,
25.9,	0.0);						
(600021.4,	4134753.0,	25.9,	25.9,	0.0);	(600013.8,	4134744.7,	25.9,
25.9,	0.0);						
(600006.2,	4134736.4,	25.9,	25.9,	0.0);	(599998.5,	4134728.1,	26.0,
26.0,	0.0);						
(599990.9,	4134719.7,	26.1,	26.1,	0.0);	(599983.3,	4134711.4,	26.2,
26.2,	0.0);						
(599975.7,	4134703.1,	26.2,	26.2,	0.0);	(599968.1,	4134694.8,	26.3,
26.3,	0.0);						
(599960.4,	4134686.5,	26.4,	26.4,	0.0);	(599950.8,	4134642.2,	26.6,
26.6,	0.0);						
(599953.0,	4134631.1,	26.7,	26.7,	0.0);	(599955.2,	4134620.1,	26.8,

1.54, 3.09, 5.14, 8.23, 10.80,

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

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*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

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

Surface file: J:\PROJECTS\BART SILICON VALLEY SANTA CLARA EXT 2013-002\AIR QUALITY\DISPERSIONM Met Version: 15181

Profile file: J:\PROJECTS\BART SILICON VALLEY SANTA CLARA EXT 2013-002\AIR QUALITY\DISPERSIONM

Surface format:

FREE

Profile format:

FREE

Surface station no.: 23293

Upper air station no.: 23230

Name: UNKNOWN

Name: OAKLAND/WSO_AP

Year: 1998

Year: 1998

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
98	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.02	0.35	1.00	0.90	333.	10.0	281.8	5.4			
98	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.07	0.35	1.00	1.80	146.	10.0	281.9	5.4			
98	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.07	0.35	1.00	1.80	124.	10.0	281.4	5.4			
98	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.07	0.35	1.00	1.40	142.	10.0	280.9	5.4			
98	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.02	0.35	1.00	0.90	357.	10.0	280.8	5.4			
98	01	01	1	06	-1.7	0.041	-9.000	-9.000	-999.	20.	3.6	0.04	0.35	1.00	1.10	28.	10.0	280.5	5.4			
98	01	01	1	07	-2.2	0.053	-9.000	-9.000	-999.	29.	6.2	0.07	0.35	1.00	1.30	118.	10.0	279.9	5.4			
98	01	01	1	08	-1.7	0.041	-9.000	-9.000	-999.	20.	3.7	0.07	0.35	0.73	1.00	197.	10.0	279.6	5.4			
98	01	01	1	09	0.1	0.104	0.028	0.008	8.	80.	-1016.5	0.04	0.35	0.38	1.40	85.	10.0	280.4	5.4			
98	01	01	1	10	17.9	0.208	0.380	0.020	111.	228.	-45.5	0.07	0.35	0.25	2.30	140.	10.0	281.8	5.4			
98	01	01	1	11	36.9	0.180	0.583	0.020	194.	184.	-14.4	0.07	0.35	0.21	1.80	171.	10.0	283.4	5.4			
98	01	01	1	12	51.0	0.123	0.725	0.020	270.	104.	-3.3	0.02	0.35	0.19	1.40	238.	10.0	285.0	5.4			
98	01	01	1	13	50.1	0.134	0.769	0.020	328.	117.	-4.3	0.04	0.35	0.19	1.30	74.	10.0	286.0	5.4			
98	01	01	1	14	27.6	0.161	0.683	0.021	415.	156.	-13.7	0.07	0.35	0.20	1.60	129.	10.0	286.9	5.4			
98	01	01	1	15	21.8	0.174	0.668	0.021	493.	174.	-21.9	0.02	0.35	0.23	2.40	291.	10.0	287.1	5.4			
98	01	01	1	16	1.9	0.164	0.298	0.021	496.	159.	-206.0	0.02	0.35	0.32	2.50	334.	10.0	285.5	5.4			
98	01	01	1	17	-2.0	0.051	-9.000	-9.000	-999.	41.	6.0	0.02	0.35	0.55	1.60	351.	10.0	285.2	5.4			
98	01	01	1	18	-2.1	0.052	-9.000	-9.000	-999.	28.	5.8	0.04	0.35	1.00	1.40	66.	10.0	285.0	5.4			
98	01	01	1	19	-5.6	0.086	-9.000	-9.000	-999.	60.	10.1	0.07	0.35	1.00	2.10	134.	10.0	285.0	5.4			
98	01	01	1	20	-11.8	0.178	-9.000	-9.000	-999.	180.	42.8	0.07	0.35	1.00	2.70	133.	10.0	284.4	5.4			
98	01	01	1	21	-34.2	0.321	-9.000	-9.000	-999.	437.	87.3	0.07	0.35	1.00	4.40	140.	10.0	285.4	5.4			
98	01	01	1	22	-28.2	0.264	-9.000	-9.000	-999.	327.	58.9	0.07	0.35	1.00	3.80	136.	10.0	284.8	5.4			
98	01	01	1	23	-22.9	0.345	-9.000	-9.000	-999.	486.	161.6	0.07	0.35	1.00	4.50	138.	10.0	284.9	5.4			
98	01	01	1	24	-16.4	0.247	-9.000	-9.000	-999.	299.	82.6	0.07	0.35	1.00	3.40	137.	10.0	285.0	5.4			

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
98	01	01	01	5.4	0	-999.	-99.00	281.8	999.0	-99.00	-99.00
98	01	01	01	10.0	1	333.	0.90	-999.0	50.7	-99.00	0.55

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

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600272.44	4134683.22	1.34122	600265.29	4134682.89	
1.30924					
600258.14	4134682.57	1.27608	600274.64	4134690.12	
1.31869					
600260.95	4134689.50	1.25956	600247.26	4134688.88	
1.19814					
600291.16	4134700.33	1.34167	600278.23	4134703.89	
1.27094					
600271.19	4134703.57	1.24368	600264.15	4134703.25	
1.21639					
600257.11	4134702.93	1.18798	600250.07	4134702.61	
1.15943					
600243.03	4134702.29	1.13088	600235.99	4134701.97	
1.10207					
600301.10	4134710.06	1.32977	600295.07	4134714.02	
1.28775					
600281.85	4134717.65	1.22244	600274.65	4134717.33	
1.19758					
600267.45	4134717.00	1.17248	600260.25	4134716.67	
1.14684					
600253.05	4134716.35	1.12070	600245.85	4134716.02	
1.09431					
600238.65	4134715.69	1.06776	600231.45	4134715.37	
1.04114					
600224.25	4134715.04	1.01439	600311.24	4134719.66	
1.31173					
600305.10	4134723.69	1.27102	600298.97	4134727.72	
1.23215					
600285.50	4134731.42	1.17362	600278.17	4134731.09	
1.15138					
600270.84	4134730.76	1.12874	600263.50	4134730.42	
1.10568					
600256.17	4134730.09	1.08195	600248.84	4134729.76	
1.05807					
600241.50	4134729.43	1.03375	600234.17	4134729.09	
1.00937					
600226.84	4134728.76	0.98525	600219.51	4134728.43	
0.96092					
600212.17	4134728.09	0.93618	600321.53	4134729.16	
1.28640					
600315.30	4134733.25	1.24750	600309.08	4134737.34	
1.21028					
600302.85	4134741.44	1.17429	600289.17	4134745.19	
1.12299					
600281.73	4134744.86	1.10403	600274.28	4134744.52	
1.08446					
600266.83	4134744.18	1.06424	600259.39	4134743.84	
1.04335					
600251.94	4134743.50	1.02208	600244.50	4134743.17	
1.00028					
600237.05	4134742.83	0.97822	600229.61	4134742.49	
0.95613					
600222.16	4134742.15	0.93419	600214.71	4134741.81	

0.91188					
600207.27	4134741.48	0.88783	600331.95	4134738.57	
1.25264					
600325.64	4134742.72	1.21563	600319.33	4134746.87	
1.18027					
600313.02	4134751.01	1.14647	600306.71	4134755.16	
1.11417					
600292.86	4134758.96	1.07073	600285.32	4134758.62	
1.05547					
600277.77	4134758.28	1.03908	600270.23	4134757.94	
1.02200					
600262.69	4134757.60	1.00417	600255.15	4134757.25	
0.98560					
600247.60	4134756.91	0.96653	600240.06	4134756.57	
0.94699					
600232.52	4134756.23	0.92699	600224.98	4134755.88	
0.90686					
600217.43	4134755.54	0.88640	600209.89	4134755.20	
0.86543					
600202.35	4134754.86	0.84356	600346.05	4134745.57	
1.22920					
600340.07	4134749.50	1.19674	600334.09	4134753.43	
1.16543					
600328.11	4134757.36	1.13522	600322.13	4134761.29	
1.10600					
600316.15	4134765.22	1.07818	600310.17	4134769.15	
1.05134					

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600297.04	4134772.76	1.01677	600289.89	4134772.43	
1.00678					
600282.74	4134772.11	0.99503	600275.59	4134771.78	
0.98228					
600268.44	4134771.46	0.96878	600261.29	4134771.14	
0.95443					
600254.14	4134770.81	0.93934	600246.99	4134770.49	
0.92374					
600239.84	4134770.16	0.90752	600232.69	4134769.84	
0.89082					
600225.54	4134769.51	0.87381	600218.39	4134769.19	
0.85626					
600211.24	4134768.86	0.83834	600204.09	4134768.54	
0.82003					
600196.94	4134768.21	0.80148	600350.40	4134758.97	
1.14540					
600344.34	4134762.95	1.11761	600338.28	4134766.94	
1.09047					
600332.22	4134770.92	1.06459	600326.15	4134774.91	

1.03926				
600320.09	4134778.89	1.01479	600314.03	4134782.87
0.99096				
600300.72	4134786.53	0.96155	600293.47	4134786.20
0.95433				
600286.23	4134785.87	0.94608	600278.98	4134785.54
0.93666				
600271.74	4134785.21	0.92630	600264.49	4134784.88
0.91505				
600257.24	4134784.56	0.90256	600250.00	4134784.23
0.88941				
600242.75	4134783.90	0.87549	600235.50	4134783.57
0.86099				
600228.26	4134783.24	0.84612	600221.01	4134782.91
0.83062				
600213.76	4134782.58	0.81468	600206.52	4134782.25
0.79845				
600199.27	4134781.92	0.78169	600192.02	4134781.59
0.76422				
600307.59	4134811.84	0.86416	600300.25	4134811.51
0.86148				
600292.92	4134811.17	0.85766	600285.58	4134810.84
0.85327				
600278.25	4134810.51	0.84778	600270.91	4134810.17
0.84128				
600263.58	4134809.84	0.83391	600256.24	4134809.51
0.82546				
600248.91	4134809.17	0.81634	600241.57	4134808.84
0.80636				
600234.24	4134808.51	0.79573	600226.90	4134808.18
0.78426				
600219.57	4134807.84	0.77216	600212.23	4134807.51
0.75949				
600204.90	4134807.18	0.74626	600197.56	4134806.84
0.73197				
600190.23	4134806.51	0.71727	600182.89	4134806.18
0.70218				
600292.25	4134836.14	0.77327	600284.84	4134835.80
0.77153				
600277.43	4134835.47	0.76867	600270.03	4134835.13
0.76493				
600262.62	4134834.79	0.76021	600255.22	4134834.46
0.75502				
600247.81	4134834.12	0.74911	600240.40	4134833.79
0.74239				
600233.00	4134833.45	0.73499	600225.59	4134833.11
0.72662				
600218.19	4134832.78	0.71687	600210.78	4134832.44
0.70653				
600203.37	4134832.10	0.69566	600195.97	4134831.77
0.68429				
600188.56	4134831.43	0.67245	600181.15	4134831.10
0.66018				
600173.75	4134830.76	0.64753	600269.10	4134860.09
0.69759				
600261.64	4134859.75	0.69499	600254.17	4134859.41
0.69153				
600246.71	4134859.07	0.68736	600239.24	4134858.73
0.68231				
600231.78	4134858.39	0.67662	600224.31	4134858.05
0.67048				

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600216.85	4134857.71	0.66345	600209.38	4134857.37	
0.65578					
600201.92	4134857.04	0.64754	600194.45	4134856.70	
0.63876					
600186.99	4134856.36	0.62949	600179.52	4134856.02	
0.61974					
600172.05	4134855.68	0.60934	600164.59	4134855.34	
0.59843					
600253.11	4134884.36	0.63006	600245.60	4134884.02	
0.62809					
600238.08	4134883.67	0.62542	600230.57	4134883.33	
0.62200					
600223.06	4134882.99	0.61791	600215.54	4134882.65	
0.61316					
600208.03	4134882.31	0.60780	600200.51	4134881.97	
0.60179					
600193.00	4134881.63	0.59489	600185.48	4134881.29	
0.58751					
600177.97	4134880.94	0.57968	600170.45	4134880.60	
0.57131					
600162.94	4134880.26	0.56259	600155.42	4134879.92	
0.55347					
600492.93	4134784.82	0.68232	600497.70	4134778.88	
0.69472					
600502.46	4134772.94	0.70669	600507.23	4134767.00	
0.71882					
600511.99	4134761.05	0.73253	600516.76	4134755.11	
0.74597					
600521.52	4134749.17	0.75911	600526.29	4134743.23	
0.77180					
600531.05	4134737.29	0.78408	600535.82	4134731.35	
0.79414					
600540.58	4134725.41	0.80379	600545.35	4134719.47	
0.81327					
600550.11	4134713.53	0.82247	600554.88	4134707.58	
0.83174					
600559.64	4134701.64	0.84195	600564.41	4134695.70	
0.85134					
600569.17	4134689.76	0.85991	600573.93	4134683.82	
0.86836					
600284.82	4134706.44	1.28568	600298.48	4134750.27	
1.12173					
600322.29	4134768.74	1.06706	600266.30	4134791.75	
0.89525					
600272.25	4134796.36	0.88835	600278.20	4134800.98	
0.88000					
600184.73	4134761.67	0.77711	600202.59	4134775.53	
0.80226					
600226.40	4134794.01	0.81590	600232.35	4134798.63	

0.81626				
600256.16	4134817.10	0.80347	600262.11	4134821.72
0.79635				
600268.06	4134826.34	0.78811	600255.53	4134443.24
0.75664				
600250.53	4134450.24	0.74735	600234.17	4134427.98
0.53964				
600229.17	4134434.98	0.53286	600212.81	4134412.72
0.40740				
600207.81	4134419.72	0.40293	600295.16	4134734.83
1.18727				
600288.21	4134723.54	1.21812	600328.43	4134783.98
0.99534				
600304.01	4134795.56	0.92640	600241.49	4134693.91
1.15313				
600247.51	4134463.15	0.78662	600312.99	4134805.21
0.89282				
600188.40	4134609.36	0.87927	600212.56	4134506.02
0.66647				
600215.58	4134493.11	0.63664	600218.60	4134480.19
0.61197				
600221.62	4134467.27	0.58828	600224.64	4134454.36
0.56573				
600292.05	4134822.44	0.81741	600248.80	4134798.45
0.84590				
600156.45	4134639.39	0.68155	600159.47	4134626.47
0.67448				
600162.49	4134613.55	0.66392	600165.51	4134600.63
0.65002				
600177.60	4134548.94	0.58291	600180.62	4134536.02
0.56223				

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*** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600183.64	4134523.10	0.54093	600186.66	4134510.18	
0.51671					
600189.68	4134497.25	0.49405	600192.70	4134484.33	
0.47594					
600195.73	4134471.41	0.45949	600198.75	4134458.49	
0.44449					
600201.77	4134445.57	0.43036	600204.79	4134432.64	
0.41651					
600276.61	4134843.66	0.74489	600494.00	4134792.43	
0.64908					
600484.25	4134805.17	0.62354	600494.00	4134806.71	
0.59873					
600484.29	4134819.47	0.57649	600494.00	4134821.00	
0.55504					
600534.66	4134711.40	0.91392	600542.72	4134708.44	

0.88886				
600528.07	4134727.24	0.85171	600547.39	4134736.97
0.72319				
600539.18	4134738.91	0.74420	600514.54	4134744.72
0.80999				
600555.50	4134734.00	0.70648	600553.63	4134749.78
0.64927				
600545.11	4134751.79	0.66746	600536.59	4134753.80
0.68593				
600528.07	4134755.81	0.70473	600561.89	4134746.78
0.63599				
600560.14	4134762.53	0.58740	600551.87	4134764.48
0.60226				
600543.61	4134766.43	0.61733	600535.34	4134768.38
0.63284				
600527.07	4134770.34	0.64832	600518.80	4134772.29
0.66362				
600510.54	4134774.24	0.67858	600568.28	4134759.55
0.57487				
600566.41	4134775.34	0.53739	600557.89	4134777.35
0.55127				
600549.37	4134779.36	0.56475	600540.85	4134781.37
0.57828				
600532.33	4134783.38	0.59171	600523.81	4134785.39
0.60504				
600515.30	4134787.40	0.61797	600506.78	4134789.41
0.63061				
600574.67	4134772.33	0.52515	600572.90	4134788.09
0.49549				
600564.60	4134790.05	0.50781	600556.29	4134792.01
0.51900				
600547.99	4134793.97	0.53015	600539.68	4134795.93
0.54129				
600531.37	4134797.89	0.55208	600523.07	4134799.85
0.56274				
600514.76	4134801.81	0.57327	600506.46	4134803.77
0.58359				
600581.05	4134785.11	0.48545	600579.18	4134800.89
0.45975				
600570.67	4134802.90	0.47017	600562.15	4134804.91
0.48075				
600553.63	4134806.92	0.49019	600545.11	4134808.93
0.49966				
600536.59	4134810.95	0.50900	600528.07	4134812.96
0.51845				
600519.56	4134814.97	0.52779	600511.04	4134816.98
0.53706				
600502.52	4134818.99	0.54614	600587.44	4134797.89
0.45180				
600590.97	4134824.36	0.40124	600582.53	4134826.35
0.41025				
600574.10	4134828.34	0.41938	600565.67	4134830.33
0.42827				
600557.24	4134832.32	0.43584	600548.81	4134834.31
0.44299				
600540.38	4134836.30	0.45011	600531.94	4134838.29
0.45720				
600523.51	4134840.28	0.46477	600515.08	4134842.27
0.47216				
600506.65	4134844.26	0.47946	600599.18	4134821.36
0.39499				
600602.58	4134847.87	0.35980	600593.89	4134849.92
0.36684				
600585.21	4134851.97	0.37380	600576.52	4134854.02

0.38063

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600567.83	4134856.07	0.38708	600559.15	4134858.12	
0.39332					
600550.46	4134860.17	0.39953	600541.77	4134862.22	
0.40575					
600533.09	4134864.27	0.41185	600610.92	4134844.84	
0.35413					
600614.36	4134871.34	0.32534	600605.76	4134873.37	
0.33129					
600597.17	4134875.40	0.33669	600588.57	4134877.42	
0.34191					
600579.97	4134879.45	0.34708	600571.38	4134881.48	
0.35196					
600562.78	4134883.51	0.35679	600554.18	4134885.54	
0.36268					
600622.66	4134868.32	0.31896	600626.14	4134894.81	
0.29414					
600617.61	4134896.82	0.30060	600609.09	4134898.83	
0.30553					
600600.56	4134900.84	0.31022	600592.04	4134902.86	
0.31491					
600583.51	4134904.87	0.31987	600574.99	4134906.88	
0.32482					
600634.40	4134891.80	0.28852	600572.59	4134652.25	
1.13990					
600573.32	4134662.52	1.03251	600578.07	4134656.82	
1.04556					
600582.82	4134651.13	1.05822	600587.57	4134645.43	
1.07134					
600592.32	4134639.74	1.08722	600597.07	4134634.04	
1.10549					
600601.82	4134628.35	1.12443	600606.57	4134622.65	
1.14429					
600611.32	4134616.96	1.16520	600616.07	4134611.27	
1.18615					
600620.82	4134605.57	1.20907	600625.57	4134599.88	
1.23515					
600630.32	4134594.18	1.26471	600635.07	4134588.49	
1.29538					
600639.82	4134582.79	1.32810	600564.34	4134682.41	
0.93679					
600554.42	4134690.27	0.94629	600574.06	4134672.79	
0.94182					
600578.81	4134667.09	0.95294	600583.56	4134661.40	
0.96341					
600588.31	4134655.70	0.97374	600593.06	4134650.01	

0.98372					
600597.81	4134644.31	0.99579	600602.56	4134638.62	
1.01000					
600607.31	4134632.92	1.02502	600612.06	4134627.23	
1.04018					
600616.81	4134621.54	1.05615	600621.56	4134615.84	
1.07311					
600626.31	4134610.15	1.09276	600631.06	4134604.45	
1.11481					
600635.81	4134598.76	1.13804	600640.56	4134593.06	
1.16291					
600645.31	4134587.37	1.18873	600650.06	4134581.67	
1.21705					
600654.81	4134575.98	1.24755	600659.56	4134570.29	
1.27992					
600664.31	4134564.59	1.31298	600669.06	4134558.90	
1.34619					
600673.81	4134553.20	1.38100	600678.56	4134547.51	
1.41699					
600683.31	4134541.81	1.45397	600688.06	4134536.12	
1.49194					
600692.81	4134530.42	1.53027	600697.56	4134524.73	
1.56797					
600702.31	4134519.04	1.60710	600707.06	4134513.34	
1.64683					
600711.81	4134507.65	1.68667	600716.56	4134501.95	
1.72746					
600721.31	4134496.26	1.76706	600579.54	4134677.36	
0.87467					
600584.29	4134671.67	0.88347	600589.04	4134665.97	
0.89204					
600593.79	4134660.28	0.90022	600598.54	4134654.58	
0.90869					
600603.29	4134648.89	0.91773	600608.04	4134643.19	
0.92835					

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**MODELOPTs: RegDFault CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600612.79	4134637.50	0.94001	600617.54	4134631.81	
0.95194					
600622.29	4134626.11	0.96429	600627.04	4134620.42	
0.97906					
600631.79	4134614.72	0.99557	600636.54	4134609.03	
1.01311					
600641.29	4134603.33	1.03187	600646.04	4134597.64	
1.05157					
600650.79	4134591.94	1.07271	600655.54	4134586.25	
1.09530					
600660.29	4134580.56	1.12136	600665.04	4134574.86	

1.14874				
600669.79	4134569.17	1.17667	600674.54	4134563.47
1.20527				
600679.29	4134557.78	1.23412	600684.04	4134552.08
1.26527				
600688.79	4134546.39	1.29882	600693.54	4134540.69
1.33270				
600698.29	4134535.00	1.36685	600703.04	4134529.31
1.40045				
600707.79	4134523.61	1.43530	600712.54	4134517.92
1.47142				
600717.29	4134512.22	1.50912	600722.04	4134506.53
1.54660				
600726.79	4134500.83	1.58356	600731.54	4134495.14
1.61990				
600736.29	4134489.44	1.65731	600741.04	4134483.75
1.69430				
600745.79	4134478.06	1.73197	600580.53	4134696.35
0.76542				
600570.05	4134704.64	0.77450	600559.58	4134712.93
0.78251				
600590.51	4134686.51	0.76510	600595.26	4134680.82
0.76912				
600600.01	4134675.12	0.77305	600604.76	4134669.43
0.77836				
600609.51	4134663.73	0.78391	600614.26	4134658.04
0.78975				
600619.01	4134652.34	0.79595	600623.76	4134646.65
0.80311				
600628.51	4134640.96	0.81146	600633.26	4134635.26
0.82063				
600638.01	4134629.57	0.83036	600642.76	4134623.87
0.84084				
600647.51	4134618.18	0.85198	600652.26	4134612.48
0.86420				
600657.01	4134606.79	0.87741	600661.76	4134601.09
0.89203				
600666.51	4134595.40	0.90793	600671.26	4134589.71
0.92519				
600676.01	4134584.01	0.94389	600680.76	4134578.32
0.96382				
600685.51	4134572.62	0.98542	600690.26	4134566.93
1.00819				
600695.01	4134561.23	1.03197	600699.76	4134555.54
1.05616				
600704.51	4134549.84	1.08284	600709.26	4134544.15
1.10947				
600714.01	4134538.46	1.13705	600718.76	4134532.76
1.16600				
600723.51	4134527.07	1.19560	600728.26	4134521.37
1.22678				
600733.01	4134515.68	1.25840	600737.76	4134509.98
1.28948				
600742.51	4134504.29	1.31992	600747.26	4134498.59
1.35175				
600752.01	4134492.90	1.38465	600756.76	4134487.21
1.41876				
600591.58	4134705.44	0.67847	600581.27	4134713.60
0.68713				
600570.96	4134721.76	0.69624	600601.48	4134695.66
0.67571				
600606.23	4134689.97	0.67793	600610.98	4134684.27
0.67987				
600615.73	4134678.58	0.68169	600620.48	4134672.88

0.68457
 600625.23 4134667.19 0.68888 600629.98 4134661.50
 0.69387
 600634.73 4134655.80 0.69926 600639.48 4134650.11
 0.70485

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**MODELOPTs: RegDFault CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600644.23	4134644.41	0.71079	600648.98	4134638.72	
0.71722					
600653.73	4134633.02	0.72391	600658.48	4134627.33	
0.73079					
600663.23	4134621.63	0.73865	600667.98	4134615.94	
0.74745					
600672.73	4134610.25	0.75732	600677.48	4134604.55	
0.76837					
600682.23	4134598.86	0.78051	600686.98	4134593.16	
0.79486					
600691.73	4134587.47	0.81040	600696.48	4134581.77	
0.82703					
600701.23	4134576.08	0.84432	600705.98	4134570.38	
0.86235					
600710.73	4134564.69	0.88065	600715.48	4134559.00	
0.89977					
600720.23	4134553.30	0.92089	600724.98	4134547.61	
0.94350					
600729.73	4134541.91	0.96718	600734.48	4134536.22	
0.99163					
600739.23	4134530.52	1.01696	600743.98	4134524.83	
1.04314					
600748.73	4134519.13	1.07063	600753.48	4134513.44	
1.09813					
600758.23	4134507.75	1.12524	600762.98	4134502.05	
1.15197					
600767.73	4134496.36	1.17795	600601.98	4134715.04	
0.60636					
600596.25	4134719.57	0.61169	600590.52	4134724.11	
0.61652					
600584.79	4134728.64	0.62139	600579.07	4134733.17	
0.62626					
600573.34	4134737.71	0.63084	600567.61	4134742.24	
0.63401					
600607.70	4134710.51	0.60086	600612.45	4134704.81	
0.60225					
600617.20	4134699.12	0.60326	600621.95	4134693.42	
0.60413					
600626.70	4134687.73	0.60564	600631.45	4134682.04	
0.60766					
600636.20	4134676.34	0.60994	600640.95	4134670.65	

0.61342					
600645.70	4134664.95	0.61700	600650.45	4134659.26	
0.62080					
600655.20	4134653.56	0.62426	600659.95	4134647.87	
0.62749					
600664.70	4134642.17	0.63131	600669.45	4134636.48	
0.63574					
600674.20	4134630.79	0.64088	600678.95	4134625.09	
0.64684					
600683.70	4134619.40	0.65361	600688.45	4134613.70	
0.66232					
600693.20	4134608.01	0.67201	600697.95	4134602.31	
0.68284					
600702.70	4134596.62	0.69475	600707.45	4134590.92	
0.70766					
600712.20	4134585.23	0.72167	600716.95	4134579.54	
0.73462					
600721.70	4134573.84	0.74849	600726.45	4134568.15	
0.76361					
600731.20	4134562.45	0.77958	600735.95	4134556.76	
0.79648					
600740.70	4134551.06	0.81584	600745.45	4134545.37	
0.83648					
600750.20	4134539.67	0.85881	600754.95	4134533.98	
0.88182					
600759.70	4134528.29	0.90549	600764.45	4134522.59	
0.92890					
600769.20	4134516.90	0.95169	600773.95	4134511.20	
0.97422					
600778.70	4134505.51	0.99592	600613.07	4134724.09	
0.54558					
600607.47	4134728.52	0.55050	600601.87	4134732.96	
0.55511					
600596.27	4134737.39	0.55965	600590.67	4134741.82	
0.56337					
600585.08	4134746.25	0.56681	600579.48	4134750.69	
0.56987					
600573.88	4134755.12	0.57267	600618.67	4134719.66	
0.54062					

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**MODELOPTs: RegDFault CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600623.42	4134713.96	0.54108	600628.17	4134708.27	
0.54210					
600632.92	4134702.57	0.54296	600637.67	4134696.88	
0.54391					
600642.42	4134691.19	0.54508	600647.17	4134685.49	
0.54659					
600651.92	4134679.80	0.54851	600656.67	4134674.10	

0.54991				
600661.42	4134668.41	0.55108	600666.17	4134662.71
0.55258				
600670.92	4134657.02	0.55444	600675.67	4134651.32
0.55677				
600680.42	4134645.63	0.55958	600685.17	4134639.94
0.56328				
600689.92	4134634.24	0.56817	600694.67	4134628.55
0.57359				
600699.42	4134622.85	0.58002	600704.17	4134617.16
0.58728				
600708.92	4134611.46	0.59551	600713.67	4134605.77
0.60468				
600718.42	4134600.07	0.61429	600723.17	4134594.38
0.62442				
600727.92	4134588.69	0.63513	600732.67	4134582.99
0.64644				
600737.42	4134577.30	0.65824	600742.17	4134571.60
0.67105				
600746.92	4134565.91	0.68558	600751.67	4134560.21
0.70127				
600756.42	4134554.52	0.71815	600761.17	4134548.82
0.73681				
600765.92	4134543.13	0.75614	600770.67	4134537.44
0.77612				
600775.42	4134531.74	0.79620	600780.17	4134526.05
0.81552				
600784.92	4134520.35	0.83382	600789.67	4134514.66
0.85232				
600624.14	4134733.16	0.49458	600618.65	4134737.51
0.49876				
600613.15	4134741.87	0.50254	600607.65	4134746.22
0.50625				
600602.15	4134750.57	0.50989	600596.66	4134754.92
0.51343				
600591.16	4134759.27	0.51666	600585.66	4134763.63
0.51937				
600580.16	4134767.98	0.52211	600629.64	4134728.81
0.49115				
600634.39	4134723.11	0.49191	600639.14	4134717.42
0.49219				
600643.89	4134711.73	0.49189	600648.64	4134706.03
0.49146				
600653.39	4134700.34	0.49213	600658.14	4134694.64
0.49256				
600662.89	4134688.95	0.49274	600667.64	4134683.25
0.49280				
600672.39	4134677.56	0.49288	600677.14	4134671.86
0.49339				
600681.89	4134666.17	0.49432	600686.64	4134660.48
0.49605				
600691.39	4134654.78	0.49855	600696.14	4134649.09
0.50152				
600700.89	4134643.39	0.50510	600705.64	4134637.70
0.50927				
600710.39	4134632.00	0.51399	600715.14	4134626.31
0.51958				
600719.89	4134620.61	0.52600	600724.64	4134614.92
0.53305				
600729.39	4134609.23	0.54058	600734.14	4134603.53
0.54844				
600738.89	4134597.84	0.55694	600743.64	4134592.14
0.56616				
600748.39	4134586.45	0.57661	600753.14	4134580.75

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0.58796
600757.89 4134575.06 0.60009 600762.64 4134569.36
0.61304
600767.39 4134563.67 0.62667 600772.14 4134557.98
0.64096
600776.89 4134552.28 0.65684 600781.64 4134546.59
0.67299
600786.39 4134540.89 0.68946 600791.14 4134535.20
0.70579
    
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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600795.89	4134529.50	0.72203	600800.64	4134523.81	
0.73800					
600635.20	4134742.25	0.45301	600624.37	4134750.82	
0.45745					
600618.95	4134755.10	0.46072	600613.54	4134759.39	
0.46413					
600608.13	4134763.68	0.46749	600602.71	4134767.96	
0.47134					
600591.88	4134776.54	0.47968	600640.61	4134737.96	
0.45069					
600645.36	4134732.27	0.45112	600650.11	4134726.57	
0.45082					
600654.86	4134720.88	0.45007	600659.61	4134715.18	
0.44878					
600664.36	4134709.49	0.44740	600669.11	4134703.79	
0.44668					
600673.86	4134698.10	0.44624	600678.61	4134692.40	
0.44579					
600683.36	4134686.71	0.44507	600688.11	4134681.02	
0.44497					
600692.86	4134675.32	0.44544	600697.61	4134669.63	
0.44663					
600702.36	4134663.93	0.44837	600707.11	4134658.24	
0.45054					
600711.86	4134652.54	0.45322	600716.61	4134646.85	
0.45643					
600721.36	4134641.15	0.46026	600726.11	4134635.46	
0.46454					
600730.86	4134629.77	0.46967	600735.61	4134624.07	
0.47557					
600740.36	4134618.38	0.48221	600745.11	4134612.68	
0.48892					
600749.86	4134606.99	0.49598	600754.61	4134601.29	
0.50383					
600759.36	4134595.60	0.51241	600764.11	4134589.90	
0.52177					
600768.86	4134584.21	0.53181	600773.61	4134578.52	

0.54253					
600778.36	4134572.82	0.55329	600783.11	4134567.13	
0.56524					
600787.86	4134561.43	0.57798	600792.61	4134555.74	
0.59163					
600797.36	4134550.04	0.60534	600802.11	4134544.35	
0.61893					
600806.86	4134538.65	0.63222	600811.61	4134532.96	
0.64555					
600646.24	4134751.34	0.41705	600635.55	4134759.80	
0.42109					
600624.86	4134768.27	0.42607	600614.17	4134776.73	
0.43640					
600603.48	4134785.19	0.44451	600656.33	4134741.42	
0.41559					
600661.08	4134735.72	0.41568	600665.83	4134730.03	
0.41429					
600670.58	4134724.33	0.41265	600675.33	4134718.64	
0.41094					
600680.08	4134712.94	0.40922	600684.83	4134707.25	
0.40765					
600689.58	4134701.55	0.40672	600694.33	4134695.86	
0.40605					
600699.08	4134690.17	0.40558	600703.83	4134684.47	
0.40537					
600708.58	4134678.78	0.40544	600713.33	4134673.08	
0.40627					
600718.08	4134667.39	0.40789	600722.83	4134661.69	
0.40998					
600727.58	4134656.00	0.41253	600732.33	4134650.30	
0.41563					
600737.08	4134644.61	0.41929	600741.83	4134638.92	
0.42338					
600746.58	4134633.22	0.42797	600751.33	4134627.53	
0.43335					
600756.08	4134621.83	0.43980	600760.83	4134616.14	
0.44696					
600765.58	4134610.44	0.45347	600770.33	4134604.75	
0.46060					
600775.08	4134599.05	0.46819	600779.83	4134593.36	
0.47555					
600784.58	4134587.67	0.48348	600789.33	4134581.97	
0.49259					

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600794.08	4134576.28	0.50258	600798.83	4134570.58	
0.51328					
600803.58	4134564.89	0.52505	600808.33	4134559.19	

0.53664				
600813.08	4134553.50	0.54790	600817.83	4134547.80
0.55889				
600822.58	4134542.11	0.57018	600666.16	4134768.34
0.36184				
600660.58	4134772.76	0.36618	600655.00	4134777.18
0.37076				
600649.41	4134781.60	0.37460	600643.83	4134786.02
0.37779				
600638.25	4134790.44	0.38095	600632.67	4134794.85
0.38411				
600627.09	4134799.27	0.38723	600621.51	4134803.69
0.39030				
600615.93	4134808.11	0.39331	600610.34	4134812.53
0.39450				
600604.76	4134816.95	0.39458	600671.74	4134763.93
0.35851				
600676.49	4134758.23	0.35840	600681.24	4134752.54
0.35832				
600685.99	4134746.84	0.35817	600690.74	4134741.15
0.35793				
600695.49	4134735.45	0.35688	600700.24	4134729.76
0.35520				
600704.99	4134724.06	0.35310	600709.74	4134718.37
0.35108				
600714.49	4134712.68	0.34906	600719.24	4134706.98
0.34687				
600723.99	4134701.29	0.34572	600728.74	4134695.59
0.34525				
600733.49	4134689.90	0.34533	600738.24	4134684.20
0.34602				
600742.99	4134678.51	0.34734	600747.74	4134672.81
0.34853				
600752.49	4134667.12	0.35012	600757.24	4134661.43
0.35213				
600761.99	4134655.73	0.35462	600766.74	4134650.04
0.35754				
600771.49	4134644.34	0.36125	600776.24	4134638.65
0.36602				
600780.99	4134632.95	0.37119	600785.74	4134627.26
0.37703				
600790.49	4134621.56	0.38342	600795.24	4134615.87
0.39015				
600799.99	4134610.18	0.39532	600804.74	4134604.48
0.40075				
600809.49	4134598.79	0.40657	600814.24	4134593.09
0.41297				
600818.99	4134587.40	0.42004	600823.74	4134581.70
0.42819				
600828.49	4134576.01	0.43665	600833.24	4134570.31
0.44546				
600837.99	4134564.62	0.45457	600842.74	4134558.93
0.46401				
600686.11	4134785.32	0.31665	600680.33	4134789.90
0.31987				
600674.55	4134794.48	0.32306	600668.76	4134799.05
0.32615				
600662.98	4134803.63	0.32937	600657.19	4134808.21
0.33251				
600651.41	4134812.79	0.33563	600645.63	4134817.37
0.33874				
600639.84	4134821.95	0.34182	600634.06	4134826.53
0.34485				
600628.27	4134831.11	0.34780	600622.49	4134835.69

0.35063					
600616.71	4134840.26	0.35245	600691.90	4134780.74	
0.31335					
600696.65	4134775.05	0.31243	600701.40	4134769.35	
0.31144					
600706.15	4134763.66	0.31035	600710.90	4134757.96	
0.30920					
600715.65	4134752.27	0.30801	600720.40	4134746.57	
0.30682					
600725.15	4134740.88	0.30566	600729.90	4134735.18	
0.30459					
600734.65	4134729.49	0.30366	600739.40	4134723.80	
0.30248					

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

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**MODELOPTs: RegDFault CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600744.15	4134718.10	0.30041	600748.90	4134712.41	
0.29915					
600753.65	4134706.71	0.29832	600758.40	4134701.02	
0.29866					
600763.15	4134695.32	0.29933	600767.90	4134689.63	
0.29994					
600772.65	4134683.93	0.30066	600777.40	4134678.24	
0.30147					
600782.15	4134672.55	0.30326	600786.90	4134666.85	
0.30553					
600791.65	4134661.16	0.30815	600796.40	4134655.46	
0.31113					
600801.15	4134649.77	0.31443	600805.90	4134644.07	
0.31835					
600810.65	4134638.38	0.32287	600815.40	4134632.68	
0.32748					
600820.15	4134626.99	0.33210	600824.90	4134621.30	
0.33689					
600829.65	4134615.60	0.34154	600834.40	4134609.91	
0.34658					
600839.15	4134604.21	0.35233	600843.90	4134598.52	
0.35833					
600848.65	4134592.82	0.36460	600853.40	4134587.13	
0.37111					
600858.15	4134581.43	0.37791	600862.90	4134575.74	
0.38497					
600706.47	4134801.98	0.27738	600700.88	4134806.40	
0.28026					
600695.29	4134810.82	0.28312	600689.71	4134815.25	
0.28597					
600684.12	4134819.67	0.28883	600678.53	4134824.09	
0.29171					
600672.95	4134828.51	0.29459	600667.36	4134832.94	

0.29748					
600661.77	4134837.36	0.30037	600656.18	4134841.78	
0.30324					
600650.60	4134846.21	0.30606	600645.01	4134850.63	
0.30884					
600639.42	4134855.05	0.31154	600633.84	4134859.48	
0.31413					
600628.25	4134863.90	0.31662	600712.06	4134797.55	
0.27434					
600716.81	4134791.86	0.27346	600721.56	4134786.17	
0.27237					
600726.31	4134780.47	0.27126	600731.06	4134774.78	
0.27010					
600735.81	4134769.08	0.26894	600740.56	4134763.39	
0.26779					
600745.31	4134757.69	0.26670	600750.06	4134752.00	
0.26568					
600754.81	4134746.30	0.26480	600759.56	4134740.61	
0.26406					
600764.31	4134734.92	0.26352	600769.06	4134729.22	
0.26320					
600773.81	4134723.53	0.26313	600778.56	4134717.83	
0.26333					
600783.31	4134712.14	0.26254	600788.06	4134706.44	
0.26175					
600792.81	4134700.75	0.26197	600797.56	4134695.05	
0.26271					
600802.31	4134689.36	0.26395	600807.06	4134683.67	
0.26547					
600811.81	4134677.97	0.26694	600816.56	4134672.28	
0.26898					
600821.31	4134666.58	0.27148	600826.06	4134660.89	
0.27453					
600830.81	4134655.19	0.27794	600835.56	4134649.50	
0.28180					
600840.31	4134643.80	0.28569	600845.06	4134638.11	
0.28942					
600849.81	4134632.42	0.29336	600854.56	4134626.72	
0.29750					
600859.31	4134621.03	0.30181	600864.06	4134615.33	
0.30632					
600868.81	4134609.64	0.31101	600873.56	4134603.94	
0.31590					
600878.31	4134598.25	0.32098	600883.06	4134592.55	
0.32631					
600726.46	4134818.92	0.24512	600720.71	4134823.48	
0.24779					

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 *** 01/05/16
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600714.95	4134828.03	0.25049	600709.20	4134832.59
0.25320				
600703.45	4134837.14	0.25595	600697.69	4134841.70
0.25874				
600691.94	4134846.25	0.26155	600686.18	4134850.81
0.26440				
600680.43	4134855.36	0.26712	600674.68	4134859.92
0.26969				
600668.92	4134864.47	0.27247	600663.17	4134869.03
0.27527				
600657.42	4134873.58	0.27808	600651.66	4134878.14
0.28104				
600645.91	4134882.69	0.28376	600640.15	4134887.25
0.28621				
600732.21	4134814.37	0.24246	600736.96	4134808.67
0.24144				
600741.71	4134802.98	0.24040	600746.46	4134797.29
0.23921				
600751.21	4134791.59	0.23829	600755.96	4134785.90
0.23725				
600760.71	4134780.20	0.23625	600765.46	4134774.51
0.23531				
600770.21	4134768.81	0.23446	600774.96	4134763.12
0.23373				
600779.71	4134757.42	0.23314	600784.46	4134751.73
0.23271				
600789.21	4134746.04	0.23247	600793.96	4134740.34
0.23245				
600798.71	4134734.65	0.23264	600803.46	4134728.95
0.23307				
600808.21	4134723.26	0.23296	600812.96	4134717.56
0.23258				
600817.71	4134711.87	0.23257	600822.46	4134706.17
0.23313				
600827.21	4134700.48	0.23418	600831.96	4134694.79
0.23526				
600836.71	4134689.09	0.23664	600841.46	4134683.40
0.23820				
600846.21	4134677.70	0.24003	600850.96	4134672.01
0.24271				
600855.71	4134666.31	0.24586	600860.46	4134660.62
0.24907				
600865.21	4134654.92	0.25256	600869.96	4134649.23
0.25621				
600874.71	4134643.54	0.25971	600879.46	4134637.84
0.26302				
600884.21	4134632.15	0.26645	600888.96	4134626.45
0.27002				
600893.71	4134620.76	0.27372	600898.46	4134615.06
0.27760				
600903.21	4134609.37	0.28163	600760.53	4134452.73
2.01615				
600756.32	4134459.97	1.93344	600752.11	4134467.20
1.85217				
600764.13	4134445.11	2.12092	600773.87	4134457.80
1.69501				
600769.59	4134465.15	1.62438	600765.32	4134472.50
1.55399				
600761.04	4134479.86	1.48567	600777.51	4134450.13
1.77981				
600787.42	4134462.53	1.43852	600783.48	4134469.29
1.38570				
600779.54	4134476.06	1.33284	600775.61	4134482.83

1.28064					
600771.67	4134489.59	1.22882	600790.89	4134455.14	
1.50645					
600800.76	4134467.61	1.23381	600796.75	4134474.50	
1.18874					
600792.74	4134481.39	1.14356	600788.73	4134488.28	
1.09917					
600784.72	4134495.17	1.05537	600804.26	4134460.16	
1.29157					
600814.10	4134472.68	1.07354	600810.03	4134479.67	
1.03312					
600805.96	4134486.67	0.99359	600801.89	4134493.67	
0.95520					
600797.82	4134500.66	0.91922	600793.74	4134507.66	
0.88522					
600817.64	4134465.18	1.12392	600827.45	4134477.74	
0.94326					

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600823.33	4134484.82	0.90767	600819.20	4134491.91	
0.87303					
600815.08	4134499.00	0.83994	600810.95	4134506.09	
0.80958					
600806.83	4134513.18	0.78003	600831.01	4134470.19	
0.98708					
600840.80	4134482.79	0.83685	600836.63	4134489.96	
0.80505					
600832.46	4134497.13	0.77371	600828.29	4134504.29	
0.74616					
600824.12	4134511.46	0.71934	600819.95	4134518.63	
0.69358					
600815.78	4134525.79	0.66919	600844.39	4134475.21	
0.87476					
600854.16	4134487.84	0.74985	600849.95	4134495.08	
0.72204					
600845.74	4134502.31	0.69489	600841.53	4134509.55	
0.66912					
600837.32	4134516.79	0.64483	600833.11	4134524.02	
0.62207					
600828.90	4134531.26	0.60050	600857.77	4134480.22	
0.78245					
600878.73	4134497.08	0.62325	600874.49	4134504.36	
0.60108					
600870.26	4134511.63	0.57942	600866.03	4134518.91	
0.55789					
600861.79	4134526.18	0.53736	600857.56	4134533.46	
0.51952					
600853.32	4134540.74	0.50280	600849.09	4134548.01	

0.48678				
600882.34	4134489.44	0.64943	600903.30	4134506.31
0.52642				
600899.04	4134513.62	0.50940	600894.79	4134520.93
0.49356				
600890.54	4134528.24	0.47714	600886.29	4134535.55
0.46025				
600882.03	4134542.85	0.44462	600877.78	4134550.16
0.42995				
600873.53	4134557.47	0.41665	600869.28	4134564.78
0.40340				
600906.92	4134498.66	0.54709	600927.87	4134515.54
0.44965				
600923.60	4134522.88	0.43448	600919.33	4134530.21
0.42123				
600915.06	4134537.55	0.40867	600910.80	4134544.88
0.39638				
600906.53	4134552.21	0.38440	600902.26	4134559.55
0.37257				
600897.99	4134566.88	0.36114	600893.73	4134574.22
0.35037				
600889.46	4134581.55	0.34029	600931.50	4134507.88
0.46738				
600952.44	4134524.77	0.39053	600948.16	4134532.13
0.37806				
600943.88	4134539.48	0.36637	600939.60	4134546.84
0.35557				
600935.32	4134554.20	0.34542	600931.04	4134561.55
0.33583				
600926.76	4134568.91	0.32649	600922.48	4134576.27
0.31730				
600918.20	4134583.62	0.30843	600913.92	4134590.98
0.30012				
600909.63	4134598.33	0.29237	600956.08	4134517.09
0.40523				
600781.09	4134434.66	2.02133	600797.50	4134422.93
1.95216				
600795.46	4134434.22	1.78122	600793.41	4134445.50
1.62353				
600811.83	4134422.72	1.73439	600809.80	4134433.87
1.58800				
600807.78	4134445.01	1.45280	600828.14	4134411.52
1.68332				
600826.14	4134422.55	1.55443	600824.14	4134433.59
1.43087				
600822.14	4134444.62	1.31461	600820.14	4134455.66
1.20588				
600842.44	4134411.47	1.51502	600840.45	4134422.42
1.40370				
600838.47	4134433.36	1.29732	600836.48	4134444.30
1.19659				

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI			IN MICROGRAMS/M**3			**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
600834.50	4134455.25	1.10169	600843.43	4134400.00		
1.64887						
600856.73	4134411.43	1.37368	600854.76	4134422.30		
1.27640						
600852.79	4134433.17	1.18331	600850.82	4134444.04		
1.09493						
600848.85	4134454.91	1.01160	600846.88	4134465.77		
0.93358						
600857.71	4134400.00	1.49077	600870.94	4134411.85		
1.24897						
600868.82	4134423.56	1.15646	600866.69	4134435.26		
1.06842						
600864.57	4134446.96	0.98510	600862.45	4134458.67		
0.90678						
600860.33	4134470.37	0.83459	600872.00	4134400.00		
1.35569						
600897.22	4134411.67	1.06933	600895.16	4134423.02		
0.99649						
600893.11	4134434.37	0.92678	600891.05	4134445.72		
0.86315						
600888.99	4134457.07	0.80296	600886.93	4134468.42		
0.74552						
600884.87	4134479.77	0.69074	600898.25	4134400.00		
1.15431						
600923.50	4134411.54	0.92899	600921.49	4134422.62		
0.87024						
600919.48	4134433.71	0.81382	600917.47	4134444.79		
0.76213						
600915.46	4134455.87	0.71405	600913.45	4134466.95		
0.66807						
600911.44	4134478.04	0.62230	600909.43	4134489.12		
0.57949						
600924.50	4134400.00	0.99812	600949.71	4134411.76		
0.81589						
600947.62	4134423.27	0.76481	600945.53	4134434.79		
0.71577						
600943.44	4134446.30	0.66975	600941.35	4134457.82		
0.62645						
600939.27	4134469.33	0.58619	600937.18	4134480.85		
0.54804						
600935.09	4134492.36	0.51210	600950.75	4134400.00		
0.87454						
600975.98	4134411.64	0.72587	600973.93	4134422.91		
0.68336						
600971.89	4134434.18	0.64244	600969.85	4134445.46		
0.60324						
600967.80	4134456.73	0.56598	600965.76	4134468.00		
0.53082						
600963.71	4134479.27	0.49964	600961.67	4134490.55		
0.47004						
600959.62	4134501.82	0.44142	600977.00	4134400.00		
0.77498						
600869.97	4134390.44	1.47305	600893.37	4134377.03		
1.38929						
600895.32	4134386.22	1.29115	600917.58	4134367.37		
1.27650						
600919.55	4134376.69	1.19161	600921.53	4134386.02		
1.11083						
600947.75	4134385.85	0.96859	600749.25	4134234.05		

5.02154					
600743.71	4134229.67	5.05675	600738.18	4134225.28	
5.08453					
600732.64	4134220.90	5.10196	600727.10	4134216.52	
5.10854					
600721.56	4134212.13	5.10501	600716.02	4134207.75	
5.09301					
600710.48	4134203.36	5.07136	600704.94	4134198.98	
5.04102					
600699.41	4134194.59	5.00321	600758.12	4134222.85	
4.67119					
600752.58	4134218.47	4.70251	600747.04	4134214.08	
4.72200					
600741.50	4134209.70	4.73411	600735.97	4134205.31	
4.73925					
600730.43	4134200.93	4.73638	600724.89	4134196.55	
4.72627					
600719.35	4134192.16	4.70604	600713.81	4134187.78	
4.68050					
600708.27	4134183.39	4.64789	600766.99	4134211.65	
4.36216					

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600761.45	4134207.27	4.38792	600755.91	4134202.88	
4.40506					
600750.37	4134198.50	4.41269	600744.83	4134194.11	
4.41028					
600739.29	4134189.73	4.40247	600733.76	4134185.34	
4.38984					
600728.22	4134180.96	4.37155	600722.68	4134176.58	
4.35047					
600717.14	4134172.19	4.32707	600777.74	4134186.69	
3.88490					
600772.20	4134182.30	3.89548	600766.66	4134177.92	
3.89708					
600761.13	4134173.53	3.89218	600755.59	4134169.15	
3.88193					
600750.05	4134164.76	3.86668	600744.51	4134160.38	
3.84762					
600738.97	4134155.99	3.82765	600733.43	4134151.61	
3.80502					
600794.04	4134166.11	3.46504	600788.50	4134161.72	
3.46943					
600782.96	4134157.34	3.46856	600777.42	4134152.95	
3.46256					
600771.88	4134148.57	3.45218	600766.34	4134144.18	
3.43765					
600821.41	4134154.29	3.08651	600815.87	4134149.91	

3.10071				
600810.33	4134145.52	3.10816	600804.79	4134141.14
3.11044				
600799.25	4134136.75	3.10693	600793.71	4134132.37
3.09938				
600788.17	4134127.99	3.08798	600782.64	4134123.60
3.07287				
600777.10	4134119.22	3.05471	600771.56	4134114.83
3.03345				
600766.02	4134110.45	3.00953	600854.31	4134146.87
2.74221				
600848.78	4134142.48	2.76369	600843.24	4134138.10
2.78173				
600837.70	4134133.71	2.79559	600832.16	4134129.33
2.80373				
600826.62	4134124.94	2.80545	600821.08	4134120.56
2.80336				
600815.55	4134116.17	2.79739	600810.01	4134111.79
2.78800				
600804.47	4134107.40	2.77515	600798.93	4134103.02
2.75918				
600793.39	4134098.64	2.74013	600787.85	4134094.25
2.71802				
600782.31	4134089.87	2.69306	600689.04	4134187.28
4.94791				
600677.86	4134179.88	4.91137	600671.86	4134176.13
4.90958				
600665.86	4134172.38	4.92221	600659.86	4134168.63
4.95399				
600653.86	4134164.88	5.00704	600647.86	4134161.13
5.08459				
600641.86	4134157.38	5.19057	600697.04	4134175.47
4.59992				
600691.43	4134171.51	4.57988	600685.43	4134167.76
4.57435				
600679.43	4134164.01	4.57468	600673.43	4134160.26
4.58582				
600667.43	4134156.51	4.61227	600661.43	4134152.76
4.65324				
600655.43	4134149.01	4.70883	600649.43	4134145.26
4.77432				
600703.53	4134162.60	4.27905	600693.00	4134155.65
4.25584				
600687.00	4134151.90	4.25505	600681.00	4134148.15
4.26210				
600675.00	4134144.40	4.27730	600669.00	4134140.65
4.30033				
600663.00	4134136.90	4.32589	600657.00	4134133.15
4.35100				
600651.00	4134129.40	4.36398	600718.04	4134140.76
3.75486				
600706.91	4134133.39	3.72673	600700.91	4134129.64
3.71852				
600694.91	4134125.89	3.71070	600688.91	4134122.14
3.70158				

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL

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INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600682.91	4134118.39	3.68844	600676.91	4134114.64	
3.66752					
600670.91	4134110.89	3.63422	600664.91	4134107.14	
3.58360					
600745.79	4134096.19	2.92235	600755.91	4134103.32	
2.97014					
600734.74	4134088.87	2.86504	600728.74	4134085.12	
2.83108					
600722.74	4134081.37	2.79197	600716.74	4134077.62	
2.74689					
600710.74	4134073.87	2.69499	600704.74	4134070.12	
2.63561					
600698.74	4134066.37	2.56831	600692.74	4134062.62	
2.49295					
600760.18	4134074.26	2.58568	600771.25	4134082.06	
2.64521					
600748.65	4134066.61	2.51526	600742.65	4134062.86	
2.47527					
600736.65	4134059.11	2.43056	600730.65	4134055.36	
2.38084					
600724.65	4134051.61	2.32595	600718.65	4134047.86	
2.26583					
600712.65	4134044.11	2.20060	600706.65	4134040.36	
2.13008					
600641.60	4134120.86	4.22388	600657.67	4134100.10	
3.41273					
600684.64	4134054.59	2.32109	600700.71	4134033.83	
2.01088					
600773.98	4134438.26	2.08476	600592.69	4134142.61	
5.78115					
600582.69	4134135.41	4.60225	600596.87	4134136.82	
5.32669					
600586.87	4134129.62	4.29976	600601.04	4134131.02	
4.90857					
600591.04	4134123.82	4.01466	600605.22	4134125.22	
4.52871					
600595.22	4134118.02	3.75064	600609.39	4134119.43	
4.18734					
600599.39	4134112.23	3.50707	600613.56	4134113.63	
3.88254					
600603.56	4134106.43	3.28497	600622.74	4134111.43	
3.84380					
600612.74	4134104.23	3.35336	600602.74	4134097.03	
2.81236					
600661.93	4134161.89	4.80064	600626.91	4134105.64	
3.58669					
600616.91	4134098.44	3.14209	600606.91	4134091.24	
2.66189					
600663.03	4134144.54	4.47503	600631.08	4134099.84	
3.36129					
600621.08	4134092.64	2.95487	600611.08	4134085.44	
2.52462					
600650.21	4134112.82	3.86164	600656.84	4134122.94	
4.09787					
600625.26	4134086.84	2.78895	600615.26	4134079.64	

2.40093					
600654.25	4134106.83	3.64081	600660.80	4134116.82	
3.88348					
600667.35	4134126.81	4.04601	600682.81	4134157.68	
4.41245					
600678.27	4134187.20	5.07238	600629.43	4134081.05	
2.63983					
600619.43	4134073.85	2.28829	600665.61	4134099.82	
3.37649					
600684.85	4134129.18	3.87319	600691.27	4134138.96	
3.97442					
600690.57	4134195.01	5.11872	600637.78	4134069.45	
2.38198					
600627.78	4134062.25	2.09032	600677.96	4134094.35	
3.18995					
600684.70	4134104.62	3.38831	600691.44	4134114.90	
3.54351					
600708.28	4134140.58	3.83500	600710.71	4134151.79	
4.00985					
600707.91	4134170.00	4.37933	600702.30	4134206.43	
5.25826					
600702.49	4134107.43	3.32476	600709.09	4134117.50	
3.44995					
600715.70	4134127.58	3.56170	600724.69	4134148.64	
3.83066					

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600722.86	4134160.54	4.05312	600654.47	4134046.27	
1.99050					
600644.47	4134039.07	1.77804	600697.32	4134075.22	
2.73778					
600733.07	4134129.74	3.46902	600738.66	4134145.51	
3.66646					
600735.96	4134163.09	3.97211	600734.16	4134174.81	
4.19230					
600731.45	4134192.38	4.55385	600667.82	4134038.27	
1.93423					
600657.82	4134031.07	1.74558	600689.53	4134039.02	
2.05566					
600696.27	4134049.29	2.25457	600703.01	4134059.57	
2.44636					
600723.21	4134090.39	2.93286	600752.59	4134142.70	
3.51939					
600750.72	4134154.84	3.71025	600747.92	4134173.05	
4.01816					
600746.05	4134185.20	4.24021	600671.17	4134023.08	
1.70747					
600661.17	4134015.88	1.54379	600697.83	4134027.35	

1.90156				
600717.73	4134057.70	2.41969	600724.37	4134067.82
2.57492				
600731.00	4134077.94	2.71596	600747.58	4134103.24
3.00943				
600754.22	4134113.36	3.10973	600764.73	4134151.53
3.54861				
600762.89	4134163.49	3.73029	600760.13	4134181.43
4.02048				
600758.29	4134193.39	4.22643	600755.53	4134211.33
4.54081				
600679.51	4134011.49	1.59151	600669.51	4134004.29
1.44746				
600706.14	4134015.69	1.76997	600712.68	4134025.68
1.92840				
600719.23	4134035.67	2.08497	600742.15	4134070.63
2.58347				
600748.70	4134080.62	2.70171	600755.25	4134090.61
2.80924				
600776.00	4134165.98	3.64036	600771.46	4134195.49
4.08381				
600687.86	4133999.89	1.49126	600677.86	4133992.69
1.36183				
600721.49	4133994.41	1.56270	600728.08	4134004.46
1.69725				
600734.66	4134014.50	1.83470	600741.25	4134024.55
1.96940				
600747.83	4134034.59	2.10017	600754.42	4134044.64
2.22535				
600761.00	4134054.68	2.34266	600767.59	4134064.72
2.45122				
600774.17	4134074.77	2.55114	600797.22	4134109.93
2.83937				
600803.81	4134119.97	2.90457	600806.18	4134130.93
2.99866				
600703.20	4133978.59	1.33384	600693.20	4133971.39
1.22714				
600736.84	4133973.13	1.39694	600743.46	4133983.22
1.50849				
600750.07	4133993.31	1.62537	600756.69	4134003.40
1.74501				
600763.30	4134013.49	1.86444	600769.92	4134023.58
1.97863				
600776.53	4134033.67	2.08646	600783.14	4134043.76
2.18847				
600789.76	4134053.84	2.28377	600796.37	4134063.93
2.37146				
600802.99	4134074.02	2.45189	600809.60	4134084.11
2.52521				
600816.21	4134094.20	2.59127	600822.83	4134104.29
2.64948				
600829.44	4134114.38	2.69906	600830.00	4134137.31
2.88332				
600828.16	4134149.23	2.98644	600708.54	4133950.09
1.11522				
600752.19	4133951.85	1.26204	600758.83	4133961.97
1.35793				
600765.47	4133972.10	1.45706	600772.11	4133982.22
1.55812				

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600778.75	4133992.35	1.66145	600785.38	4134002.47	
1.76344					
600792.02	4134012.60	1.86185	600798.66	4134022.72	
1.95563					
600805.30	4134032.85	2.04623	600811.94	4134042.98	
2.13061					
600818.57	4134053.10	2.20649	600825.21	4134063.23	
2.27726					
600831.85	4134073.35	2.34367	600838.49	4134083.48	
2.39931					
600845.13	4134093.60	2.44714	600851.76	4134103.73	
2.48914					
600857.48	4134119.84	2.55888	600855.64	4134131.80	
2.64320					
600723.87	4133928.78	1.02059	600767.54	4133930.56	
1.14865					
600774.20	4133940.72	1.23186	600780.86	4133950.87	
1.31800					
600787.52	4133961.03	1.40641	600794.17	4133971.18	
1.49592					
600800.83	4133981.34	1.58550	600807.49	4133991.49	
1.67364					
600814.15	4134001.65	1.75922	600820.80	4134011.80	
1.84095					
600827.46	4134021.96	1.91848	600834.12	4134032.12	
1.99001					
600840.78	4134042.27	2.05616	600847.44	4134052.43	
2.11764					
600854.09	4134062.58	2.17240	600860.75	4134072.74	
2.21828					
600867.41	4134082.89	2.25933	600874.07	4134093.05	
2.29378					
600880.73	4134103.20	2.31659	600883.13	4134114.28	
2.35873					
600881.28	4134126.29	2.42829	600739.21	4133907.48	
0.93966					
600570.85	4134130.11	3.44725	600562.60	4134121.21	
2.59332					
600575.45	4134124.42	3.33146	600561.38	4134114.07	
2.28796					
600573.71	4134117.15	2.85577	600547.81	4134109.11	
1.78308					
600568.64	4134109.04	2.34471	600583.02	4134112.63	
2.98786					
600534.86	4134108.81	1.50730	600541.01	4134105.33	
1.56674					
600547.15	4134101.86	1.62488	600560.14	4134100.09	
1.86386					
600566.99	4134101.79	2.07138	600573.84	4134103.50	
2.30587					
600580.69	4134105.21	2.57117	600587.54	4134106.92	

2.86022					
600507.15	4134130.81	1.34153	600502.50	4134136.59	
1.33949					
600497.86	4134142.38	1.33537	600493.22	4134148.16	
1.33056					
600488.58	4134153.95	1.32477	600483.93	4134159.74	
1.31818					
600479.29	4134165.52	1.31152	600474.65	4134171.31	
1.30607					
600470.00	4134177.09	1.30221	600465.36	4134182.88	
1.29926					
600460.72	4134188.66	1.29500	600456.08	4134194.45	
1.29018					
600451.43	4134200.24	1.28365	600528.63	4134104.71	
1.34334					
600534.56	4134101.36	1.39086	600546.41	4134094.65	
1.48753					
600558.94	4134092.95	1.68412	600572.14	4134096.24	
2.03893					
600585.35	4134099.54	2.48023	600501.58	4134126.34	
1.20388					
600496.93	4134132.12	1.20005	600492.29	4134137.91	
1.19592					
600487.65	4134143.69	1.19064	600483.00	4134149.48	
1.18468					
600478.36	4134155.27	1.17865	600473.72	4134161.05	
1.17190					
600469.08	4134166.84	1.16757	600464.43	4134172.62	
1.16429					

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**MODELOPTs: RegDFault CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600459.79	4134178.41	1.16055	600455.15	4134184.19	
1.15591					
600450.50	4134189.98	1.15032	600445.86	4134195.77	
1.14414					
600522.57	4134100.52	1.20683	600534.09	4134094.00	
1.28681					
600545.61	4134087.48	1.36788	600557.79	4134085.83	
1.53268					
600570.63	4134089.03	1.82483	600583.47	4134092.23	
2.18192					
600496.01	4134121.87	1.08566	600491.36	4134127.65	
1.08153					
600486.72	4134133.44	1.07691	600482.08	4134139.22	
1.07156					
600477.43	4134145.01	1.06591	600472.79	4134150.80	
1.05998					
600468.15	4134156.58	1.05540	600463.51	4134162.37	

1.05119				
600458.86	4134168.15	1.04711	600454.22	4134173.94
1.04281				
600449.58	4134179.72	1.03793	600444.93	4134185.51
1.03219				
600440.29	4134191.30	1.02570	600512.39	4134098.66
1.06553				
600525.06	4134091.49	1.14248	600537.73	4134084.32
1.22014				
600544.07	4134080.73	1.25905	600564.53	4134080.67
1.55227				
600578.66	4134084.19	1.86356	600592.78	4134087.71
2.24276				
600599.85	4134089.48	2.45225	600490.43	4134117.40
0.98362				
600485.79	4134123.18	0.97937	600481.15	4134128.97
0.97463				
600476.51	4134134.75	0.96950	600471.86	4134140.54
0.96413				
600467.22	4134146.32	0.95933	600462.58	4134152.11
0.95499				
600457.93	4134157.90	0.95057	600453.29	4134163.68
0.94666				
600448.65	4134169.47	0.94243	600444.01	4134175.25
0.93719				
600439.36	4134181.04	0.93095	600434.72	4134186.82
0.92422				
600506.44	4134094.40	0.96860	600512.58	4134090.93
1.00154				
600518.72	4134087.45	1.03474	600524.87	4134083.97
1.06812				
600531.01	4134080.50	1.10117	600537.15	4134077.02
1.13453				
600543.30	4134073.54	1.16756	600556.29	4134071.78
1.30226				
600563.14	4134073.48	1.41658	600569.99	4134075.19
1.53821				
600576.84	4134076.90	1.67339	600583.69	4134078.61
1.82238				
600590.54	4134080.32	1.98514	600597.39	4134082.02
2.16066				
600604.23	4134083.73	2.34271	600484.86	4134112.93
0.89522				
600480.22	4134118.71	0.89082	600475.58	4134124.50
0.88620				
600470.93	4134130.28	0.88119	600466.29	4134136.07
0.87657				
600461.65	4134141.85	0.87196	600457.01	4134147.64
0.86758				
600452.36	4134153.43	0.86329	600447.72	4134159.21
0.85925				
600443.08	4134165.00	0.85531	600438.43	4134170.78
0.84955				
600433.79	4134176.57	0.84329	600429.15	4134182.35
0.83673				
600500.56	4134090.11	0.88444	600512.54	4134083.33
0.94233				
600524.52	4134076.55	1.00048	600536.50	4134069.77
1.05780				
600555.16	4134064.66	1.20268	600568.51	4134067.99
1.40425				
600575.19	4134069.65	1.51736	600588.55	4134072.98
1.77725				

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): CON_ZONE , ***

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600595.22	4134074.65	1.92357	600608.58	4134077.98	
2.24150					
600479.29	4134108.46	0.81817	600474.65	4134114.24	
0.81367					
600470.01	4134120.03	0.80937	600465.36	4134125.81	
0.80492					
600460.72	4134131.60	0.80030	600456.08	4134137.38	
0.79553					
600451.44	4134143.17	0.79113	600446.79	4134148.96	
0.78680					
600442.15	4134154.74	0.78268	600437.51	4134160.53	
0.77826					
600432.86	4134166.31	0.77315	600428.22	4134172.10	
0.76704					
600423.58	4134177.88	0.76069	600502.36	4134081.46	
0.84410					
600515.26	4134074.16	0.90056	600528.16	4134066.86	
0.95648					
600541.06	4134059.56	1.01155	600554.71	4134057.71	
1.12366					
600561.90	4134059.50	1.21774	600583.47	4134064.88	
1.54804					
600605.05	4134070.26	1.97628	600612.24	4134072.05	
2.13289					
600473.72	4134103.98	0.75052	600469.08	4134109.77	
0.74635					
600464.44	4134115.56	0.74231	600459.79	4134121.34	
0.73786					
600455.15	4134127.13	0.73327	600450.51	4134132.91	
0.72840					
600445.86	4134138.70	0.72362	600441.22	4134144.48	
0.71962					
600436.58	4134150.27	0.71552	600431.94	4134156.06	
0.71094					
600427.29	4134161.84	0.70589	600422.65	4134167.63	
0.70031					
600418.01	4134173.41	0.69418	600484.15	4134076.52	
0.69249					
600490.30	4134073.04	0.71446	600496.44	4134069.57	
0.73661					
600502.58	4134066.09	0.75885	600508.73	4134062.62	
0.78121					
600514.87	4134059.14	0.80336	600521.01	4134055.66	
0.82523					
600527.16	4134052.19	0.84680	600533.30	4134048.71	
0.86764					
600539.44	4134045.23	0.88902	600552.44	4134043.47	

0.97518					
600559.29	4134045.17	1.04633	600566.14	4134046.88	
1.12240					
600572.98	4134048.59	1.20286	600579.83	4134050.30	
1.29059					
600586.68	4134052.01	1.38590	600593.53	4134053.71	
1.48905					
600600.38	4134055.42	1.60177	600607.23	4134057.13	
1.72072					
600614.08	4134058.84	1.84378	600620.93	4134060.55	
1.96814					
600462.58	4134095.04	0.63977	600457.94	4134100.83	
0.63511					
600453.29	4134106.62	0.63019	600448.65	4134112.40	
0.62586					
600444.01	4134118.19	0.62138	600439.37	4134123.97	
0.61721					
600434.72	4134129.76	0.61298	600430.08	4134135.54	
0.60863					
600425.44	4134141.33	0.60431	600420.79	4134147.12	
0.59981					
600416.15	4134152.90	0.59481	600411.51	4134158.69	
0.58959					
600406.87	4134164.47	0.58396	600467.10	4134070.92	
0.57825					
600473.48	4134067.31	0.59725	600479.86	4134063.70	
0.61650					
600486.24	4134060.09	0.63592	600492.62	4134056.48	
0.65545					
600499.00	4134052.87	0.67500	600505.38	4134049.26	
0.69448					
600511.76	4134045.65	0.71379	600518.14	4134042.04	
0.73280					

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600524.52	4134038.43	0.75140	600530.90	4134034.82	
0.76946					
600537.28	4134031.21	0.78764	600550.77	4134029.38	
0.86161					
600557.89	4134031.15	0.92224	600565.00	4134032.92	
0.98712					
600572.11	4134034.70	1.05512	600579.22	4134036.47	
1.12888					
600586.34	4134038.24	1.20894	600593.45	4134040.02	
1.29547					
600446.79	4134091.89	0.54647	600442.15	4134097.67	
0.54183					
600437.51	4134103.46	0.53754	600432.87	4134109.25	

0.53344				
600428.22	4134115.03	0.52946	600423.58	4134120.82
0.52533				
600418.94	4134126.60	0.52118	600414.29	4134132.39
0.51692				
600409.65	4134138.17	0.51212	600405.01	4134143.96
0.50716				
600400.37	4134149.75	0.50213	600395.72	4134155.53
0.49697				
600474.16	4134051.69	0.54924	600480.30	4134048.21
0.56532				
600486.44	4134044.73	0.58146	600492.59	4134041.26
0.59766				
600498.73	4134037.78	0.61371	600504.87	4134034.30
0.62960				
600511.02	4134030.83	0.64536	600517.16	4134027.35
0.66075				
600523.30	4134023.88	0.67581	600529.45	4134020.40
0.69045				
600535.59	4134016.92	0.70489	600548.58	4134015.16
0.76446				
600555.43	4134016.86	0.81270	600617.08	4134032.23
1.42039				
600623.92	4134033.94	1.50913	600630.77	4134035.65
1.59939				
600637.62	4134037.36	1.68954	600444.78	4134053.06
0.43954				
600451.11	4134049.48	0.45349	600457.45	4134045.89
0.46766				
600489.12	4134027.97	0.53987	600495.46	4134024.39
0.55423				
600501.80	4134020.80	0.56839	600508.13	4134017.22
0.58230				
600514.47	4134013.63	0.59594	600520.80	4134010.05
0.60923				
600527.14	4134006.46	0.62214	600533.47	4134002.88
0.63465				
600575.12	4134008.10	0.86903	600582.19	4134009.86
0.92262				
600589.25	4134011.62	0.97965	600596.31	4134013.38
1.04149				
600603.38	4134015.14	1.10838	600610.44	4134016.91
1.17946				
600617.50	4134018.67	1.25422	600624.57	4134020.43
1.33214				
600631.63	4134022.19	1.41211	600638.69	4134023.95
1.49304				
600645.76	4134025.71	1.57378	600424.51	4134074.01
0.41486				
600419.87	4134079.79	0.41096	600415.23	4134085.58
0.40710				
600410.58	4134091.36	0.40321	600405.94	4134097.15
0.39925				
600401.30	4134102.93	0.39522	600396.65	4134108.72
0.39114				
600392.01	4134114.51	0.38707	600387.37	4134120.29
0.38296				
600382.73	4134126.08	0.37886	600378.08	4134131.86
0.37470				
600373.44	4134137.65	0.37060	600433.44	4134044.23
0.38683				
600439.59	4134040.76	0.39869	600445.73	4134037.28
0.41067				
600451.87	4134033.80	0.42280	600458.02	4134030.33

0.43510
 600464.16 4134026.85 0.44743 600470.30 4134023.38
 0.45981

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600501.02	4134005.99	0.52061	600507.16	4134002.52	
0.53226					
600513.31	4133999.04	0.54365	600519.45	4133995.57	
0.55476					
600544.73	4133986.85	0.61763	600551.58	4133988.55	
0.65123					
600558.43	4133990.26	0.68727	600565.28	4133991.97	
0.72577					
600572.13	4133993.68	0.76657	600578.98	4133995.38	
0.80994					
600585.83	4133997.09	0.85617	600592.68	4133998.80	
0.90553					
600599.52	4134000.51	0.95855	600606.37	4134002.22	
1.01497					
600613.22	4134003.92	1.07458	600620.07	4134005.63	
1.13731					
600626.92	4134007.34	1.20268	600633.77	4134009.05	
1.27005					
600640.62	4134010.76	1.33868	600647.47	4134012.46	
1.40763					
600654.32	4134014.17	1.47631	600427.30	4134047.71	
0.37523					
600413.37	4134065.07	0.36465	600408.73	4134070.85	
0.36101					
600404.08	4134076.64	0.35734	600399.44	4134082.42	
0.35364					
600394.80	4134088.21	0.34995	600390.16	4134093.99	
0.34622					
600385.51	4134099.78	0.34248	600380.87	4134105.57	
0.33876					
600376.23	4134111.35	0.33503	600371.58	4134117.14	
0.33130					
600366.94	4134122.92	0.32760	600362.30	4134128.71	
0.32394					
600422.46	4134035.20	0.34303	600428.77	4134031.63	
0.35373					
600435.07	4134028.06	0.36457	600441.38	4134024.50	
0.37561					
600447.68	4134020.93	0.38672	600453.99	4134017.36	
0.39796					
600460.29	4134013.79	0.40921	600466.60	4134010.23	
0.42053					
600472.90	4134006.66	0.43176	600479.21	4134003.09	

0.44294					
600485.51	4133999.52	0.45397	600529.65	4133974.55	
0.52525					
600542.99	4133972.73	0.56223	600550.01	4133974.49	
0.59185					
600557.04	4133976.24	0.62337	600564.07	4133977.99	
0.65697					
600571.10	4133979.75	0.69284	600578.13	4133981.50	
0.73109					
600585.16	4133983.25	0.77192	600592.19	4133985.00	
0.81548					
600599.22	4133986.76	0.86197	600606.25	4133988.51	
0.91137					
600613.28	4133990.26	0.96373	600620.31	4133992.02	
1.01900					
600627.34	4133993.77	1.07678	600634.37	4133995.52	
1.13672					
600641.40	4133997.28	1.19836	600648.43	4133999.03	
1.26087					
600655.46	4134000.78	1.32365	600662.48	4134002.53	
1.38599					
600416.16	4134038.77	0.33256	600402.23	4134056.12	
0.32240					
600397.58	4134061.91	0.31895	600392.94	4134067.70	
0.31552					
600388.30	4134073.48	0.31208	600383.66	4134079.27	
0.30865					
600379.01	4134085.05	0.30519	600374.37	4134090.84	
0.30178					
600369.73	4134096.62	0.29838	600365.08	4134102.41	
0.29499					
600360.44	4134108.20	0.29166	600355.80	4134113.98	
0.28834					
600351.16	4134119.77	0.28507	600411.47	4134026.18	
0.30574					
600417.92	4134022.53	0.31543	600424.37	4134018.88	
0.32529					

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): CON_ZONE , ***

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600430.82	4134015.23	0.33531	600437.27	4134011.58	
0.34545					
600443.72	4134007.93	0.35569	600450.17	4134004.28	
0.36599					
600456.62	4134000.63	0.37632	600463.07	4133996.98	
0.38665					
600469.52	4133993.33	0.39691	600475.97	4133989.68	
0.40708					
600482.42	4133986.03	0.41712	600488.87	4133982.38	

0.42699				
600495.32	4133978.73	0.43666	600527.58	4133960.48
0.48145				
600541.22	4133958.62	0.51447	600548.41	4133960.41
0.54079				
600555.60	4133962.21	0.56881	600562.80	4133964.00
0.59861				
600569.99	4133965.79	0.63031	600577.18	4133967.59
0.66412				
600584.37	4133969.38	0.70012	600591.56	4133971.17
0.73847				
600598.75	4133972.97	0.77938	600605.95	4133974.76
0.82288				
600613.14	4133976.55	0.86900	600620.33	4133978.35
0.91780				
600627.52	4133980.14	0.96899	600634.71	4133981.93
1.02236				
600641.90	4133983.73	1.07760	600649.09	4133985.52
1.13405				
600656.29	4133987.31	1.19129	600663.48	4133989.11
1.24874				
600670.67	4133990.90	1.30574	600405.01	4134029.83
0.29621				
600386.44	4134052.97	0.28333	600381.80	4134058.75
0.28010				
600377.16	4134064.54	0.27690	600372.51	4134070.33
0.27370				
600367.87	4134076.11	0.27054	600363.23	4134081.90
0.26742				
600358.59	4134087.68	0.26432	600353.94	4134093.47
0.26126				
600349.30	4134099.25	0.25824	600344.66	4134105.04
0.25528				
600340.01	4134110.83	0.25235	600390.89	4134009.81
0.24985				
600397.23	4134006.22	0.25759	600403.58	4134002.63
0.26549				
600409.92	4133999.04	0.27351	600416.27	4133995.44
0.28166				
600422.61	4133991.85	0.28990	600428.96	4133988.26
0.29823				
600435.31	4133984.67	0.30664	600441.65	4133981.08
0.31506				
600448.00	4133977.49	0.32350	600454.34	4133973.90
0.33190				
600460.69	4133970.31	0.34026	600467.03	4133966.72
0.34851				
600492.42	4133952.36	0.38017	600498.76	4133948.77
0.38762				
600505.11	4133945.18	0.39488	600511.45	4133941.59
0.40192				
600517.80	4133938.00	0.40878	600524.14	4133934.41
0.41544				
600544.64	4133934.34	0.46147	600551.71	4133936.11
0.48293				
600558.79	4133937.87	0.50563	600565.86	4133939.64
0.52966				
600572.94	4133941.40	0.55510	600580.01	4133943.17
0.58206				
600587.08	4133944.93	0.61059	600594.16	4133946.69
0.64087				
600601.23	4133948.46	0.67295	600608.31	4133950.22
0.70691				
600615.38	4133951.99	0.74285	600622.46	4133953.75

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0.78075
600629.53 4133955.51 0.82054 600636.60 4133957.28
0.86219
600643.68 4133959.04 0.90541 600650.75 4133960.81
0.95000
600657.83 4133962.57 0.99559 600664.90 4133964.33
1.04183
    
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600671.98	4133966.10	1.08854	600679.05	4133967.86	
1.13511					
600686.12	4133969.63	1.18146	600384.54	4134013.40	
0.24225					
600379.90	4134019.18	0.23934	600365.97	4134036.54	
0.23065					
600361.33	4134042.33	0.22780	600356.68	4134048.11	
0.22498					
600352.04	4134053.90	0.22222	600347.40	4134059.68	
0.21951					
600342.76	4134065.47	0.21685	600338.11	4134071.25	
0.21424					
600333.47	4134077.04	0.21171	600328.83	4134082.83	
0.20924					
600324.18	4134088.61	0.20682	600319.54	4134094.40	
0.20449					
600370.33	4133993.42	0.20676	600376.60	4133989.88	
0.21310					
600382.86	4133986.33	0.21955	600389.13	4133982.79	
0.22613					
600395.39	4133979.24	0.23280	600401.66	4133975.70	
0.23958					
600407.92	4133972.16	0.24643	600414.19	4133968.61	
0.25337					
600420.45	4133965.07	0.26034	600426.71	4133961.52	
0.26735					
600432.98	4133957.98	0.27439	600439.24	4133954.43	
0.28141					
600445.51	4133950.89	0.28842	600464.30	4133940.25	
0.30900					
600470.57	4133936.71	0.31567	600476.83	4133933.16	
0.32216					
600483.10	4133929.62	0.32853	600489.36	4133926.07	
0.33470					
600495.63	4133922.53	0.34073	600501.89	4133918.99	
0.34658					
600508.16	4133915.44	0.35226	600514.42	4133911.90	
0.35778					
600520.69	4133908.35	0.36315	600533.93	4133906.55	

0.38364					
600540.92	4133908.29	0.39969	600561.87	4133913.51	
0.45303					
600568.85	4133915.26	0.47278	600575.84	4133917.00	
0.49359					
600582.82	4133918.74	0.51552	600589.81	4133920.48	
0.53868					
600596.79	4133922.22	0.56308	600603.78	4133923.96	
0.58886					
600610.76	4133925.71	0.61607	600617.74	4133927.45	
0.64473					
600624.73	4133929.19	0.67493	600631.71	4133930.93	
0.70663					
600638.70	4133932.67	0.73982	600645.68	4133934.41	
0.77434					
600652.66	4133936.15	0.81007	600659.65	4133937.90	
0.84691					
600666.63	4133939.64	0.88450	600673.62	4133941.38	
0.92272					
600680.60	4133943.12	0.96129	600687.58	4133944.86	
1.00002					
600694.57	4133946.60	1.03872	600701.55	4133948.35	
1.07720					
600364.07	4133996.97	0.20058	600359.43	4134002.75	
0.19794					
600345.50	4134020.11	0.19017	600340.85	4134025.90	
0.18766					
600336.21	4134031.68	0.18522	600331.57	4134037.47	
0.18284					
600326.93	4134043.25	0.18053	600322.28	4134049.04	
0.17829					
600317.64	4134054.83	0.17615	600313.00	4134060.61	
0.17408					
600308.35	4134066.40	0.17209	600303.71	4134072.18	
0.17020					
600299.07	4134077.97	0.16841	600350.02	4133976.91	
0.17302					
600356.44	4133973.27	0.17847	600362.86	4133969.64	
0.18405					
600369.28	4133966.00	0.18974	600375.70	4133962.37	
0.19553					

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600382.13	4133958.74	0.20142	600388.55	4133955.10	
0.20738					
600394.97	4133951.47	0.21342	600401.39	4133947.84	
0.21951					
600407.81	4133944.20	0.22564	600414.24	4133940.57	

0.23182				
600420.66	4133936.94	0.23801	600439.92	4133926.03
0.25646				
600446.35	4133922.40	0.26253	600452.77	4133918.77
0.26851				
600459.19	4133915.13	0.27437	600465.61	4133911.50
0.28013				
600472.03	4133907.87	0.28574	600478.46	4133904.23
0.29121				
600484.88	4133900.60	0.29653	600491.30	4133896.96
0.30167				
600497.72	4133893.33	0.30666	600504.14	4133889.70
0.31151				
600510.57	4133886.06	0.31620	600516.99	4133882.43
0.32077				
600530.57	4133880.58	0.33801	600537.73	4133882.37
0.35143				
600544.89	4133884.15	0.36551	600552.05	4133885.94
0.38033				
600573.53	4133891.29	0.42933	600580.69	4133893.08
0.44748				
600587.85	4133894.86	0.46656	600595.00	4133896.65
0.48687				
600602.16	4133898.43	0.50803	600609.32	4133900.22
0.53035				
600616.48	4133902.01	0.55388	600623.64	4133903.79
0.57864				
600630.80	4133905.58	0.60472	600637.96	4133907.36
0.63206				
600645.12	4133909.15	0.66068	600652.28	4133910.93
0.69044				
600659.44	4133912.72	0.72129	600666.60	4133914.50
0.75302				
600673.76	4133916.29	0.78555	600680.92	4133918.07
0.81862				
600688.08	4133919.86	0.85218	600695.24	4133921.64
0.88595				
600702.40	4133923.43	0.91987	600709.56	4133925.21
0.95368				
600716.72	4133927.00	0.98734	600343.59	4133980.54
0.16768				
600338.95	4133986.32	0.16531	600334.31	4133992.11
0.16298				
600320.38	4134009.47	0.15629	600315.74	4134015.25
0.15420				
600311.09	4134021.04	0.15219	600306.45	4134026.82
0.15028				
600301.81	4134032.61	0.14846	600297.17	4134038.40
0.14674				
600292.52	4134044.18	0.14511	600287.88	4134049.97
0.14359				
600283.24	4134055.75	0.14217	600278.59	4134061.54
0.14085				
600329.47	4133960.52	0.14577	600335.82	4133956.93
0.15034				
600342.16	4133953.34	0.15502	600348.51	4133949.75
0.15981				
600354.86	4133946.15	0.16470	600361.20	4133942.56
0.16968				
600367.55	4133938.97	0.17474	600373.90	4133935.38
0.17987				
600380.24	4133931.79	0.18505	600386.59	4133928.20
0.19029				
600392.94	4133924.61	0.19556	600399.28	4133921.02

0.20086					
600418.32	4133910.24	0.21680	600424.67	4133906.65	
0.22209					
600431.02	4133903.06	0.22734	600437.36	4133899.47	
0.23252					
600443.71	4133895.88	0.23764	600450.06	4133892.29	
0.24268					
600456.40	4133888.70	0.24760	600462.75	4133885.11	
0.25242					
600469.10	4133881.51	0.25711	600475.44	4133877.92	
0.26166					

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600481.79	4133874.33	0.26608	600488.14	4133870.74	
0.27037					
600494.48	4133867.15	0.27450	600500.83	4133863.56	
0.27835					
600507.18	4133859.97	0.28200	600513.52	4133856.38	
0.28559					
600526.95	4133854.55	0.29958	600534.02	4133856.31	
0.31054					
600541.10	4133858.08	0.32210	600548.17	4133859.84	
0.33421					
600555.25	4133861.61	0.34693	600562.32	4133863.37	
0.36026					
600569.40	4133865.14	0.37369	600583.55	4133868.67	
0.40239					
600590.63	4133870.43	0.41783	600597.70	4133872.19	
0.43437					
600604.78	4133873.96	0.45206	600611.85	4133875.72	
0.47061					
600618.93	4133877.49	0.49016	600626.00	4133879.25	
0.51056					
600633.08	4133881.02	0.53217	600640.15	4133882.78	
0.55478					
600647.23	4133884.54	0.57846	600654.31	4133886.31	
0.60305					
600661.38	4133888.07	0.62864	600668.46	4133889.84	
0.65514					
600675.53	4133891.60	0.68233	600682.61	4133893.37	
0.71021					
600689.68	4133895.13	0.73837	600696.76	4133896.90	
0.76717					
600703.84	4133898.66	0.79587	600710.91	4133900.42	
0.82470					
600717.99	4133902.19	0.85366	600725.06	4133903.95	
0.88248					
600732.14	4133905.72	0.91123	600323.12	4133964.11	

0.14133				
600318.48	4133969.90	0.13925	600313.84	4133975.68
0.13721				
600299.91	4133993.04	0.13151	600295.26	4133998.82
0.12978				
600290.62	4134004.61	0.12814	600285.98	4134010.40
0.12661				
600281.34	4134016.18	0.12518	600276.69	4134021.97
0.12385				
600272.05	4134027.75	0.12263	600267.41	4134033.54
0.12152				
600262.76	4134039.32	0.12050	600258.12	4134045.11
0.11959				
600448.80	4134210.23	1.36807	600439.21	4134221.05
1.33490				
600441.87	4134210.94	1.25282	600429.54	4134232.17
1.30273				
600432.22	4134221.95	1.22279	600434.91	4134211.73
1.15053				
600437.60	4134201.51	1.08505	600419.81	4134243.49
1.27039				
600422.52	4134233.19	1.19344	600425.23	4134222.89
1.12327				
600427.94	4134212.58	1.05938	600430.65	4134202.28
1.00148				
600412.77	4134244.60	1.16373	600415.50	4134234.23
1.09611				
600418.23	4134223.85	1.03416	600420.96	4134213.48
0.97774				
600423.69	4134203.10	0.92632	600426.42	4134192.73
0.87955				
600407.31	4134255.45	1.19602	600405.73	4134245.72
1.06859				
600408.47	4134235.29	1.00896	600411.22	4134224.85
0.95426				
600413.97	4134214.41	0.90421	600416.71	4134203.98
0.85850				
600419.46	4134193.54	0.81680	600398.68	4134246.85
0.98332				
600401.44	4134236.35	0.93061	600404.20	4134225.86
0.88215				
600406.96	4134215.37	0.83766	600409.73	4134204.88
0.79703				
600412.49	4134194.39	0.75977	600415.25	4134183.90
0.72563				

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600387.38	4134238.52	0.79653	600390.16	4134227.94	

0.75822				
600392.95	4134217.36	0.72291	600395.73	4134206.79
0.69035				
600398.51	4134196.21	0.66038	600401.30	4134185.63
0.63289				
600404.08	4134175.05	0.60746	600387.22	4134284.31
1.18326				
600381.18	4134275.10	0.99813	600375.14	4134265.89
0.85291				
600376.11	4134230.07	0.65621	600378.91	4134219.42
0.62783				
600381.71	4134208.77	0.60153	600384.52	4134198.12
0.57728				
600387.32	4134187.48	0.55489	600390.12	4134176.83
0.53416				
600392.92	4134166.18	0.51492	600379.29	4134296.01
1.17963				
600373.22	4134286.75	0.99178	600367.15	4134277.50
0.84655				
600361.08	4134268.24	0.73030	600356.41	4134253.63
0.62229				
600364.86	4134221.52	0.54864	600367.68	4134210.82
0.52726				
600370.50	4134200.11	0.50735	600373.31	4134189.41
0.48889				
600376.13	4134178.70	0.47182	600367.20	4134301.37
1.04229				
600361.36	4134292.46	0.88890	600355.51	4134283.56
0.76689				
600349.67	4134274.65	0.66955	600343.83	4134265.74
0.58994				
600342.26	4134256.13	0.54450	600344.97	4134245.83
0.52323				
600347.68	4134235.53	0.50341	600353.11	4134214.92
0.46802				
600355.82	4134204.62	0.45199	600369.37	4134153.10
0.38647				
600359.17	4134312.92	1.03432	600353.28	4134303.95
0.88087				
600347.40	4134294.98	0.75961	600341.52	4134286.01
0.66221				
600335.63	4134277.04	0.58335	600329.75	4134268.07
0.51787				
600328.17	4134258.40	0.48012	600330.90	4134248.02
0.46198				
600333.63	4134237.65	0.44485	600336.36	4134227.27
0.42889				
600347.28	4134185.77	0.37667	600350.01	4134175.40
0.36566				
600352.74	4134165.02	0.35535	600355.47	4134154.65
0.34571				
600358.20	4134144.27	0.33662	600351.18	4134324.54
1.02370				
600345.26	4134315.51	0.87313	600339.34	4134306.49
0.75247				
600333.42	4134297.47	0.65586	600327.50	4134288.44
0.57720				
600321.58	4134279.42	0.51228	600315.67	4134270.39
0.45731				
600314.08	4134260.66	0.42569	600316.83	4134250.23
0.41083				
600330.56	4134198.04	0.34723	600333.30	4134187.61
0.33708				
600336.05	4134177.17	0.32760	600338.80	4134166.73

0.31875					
600341.54	4134156.30	0.31046	600344.29	4134145.86	
0.30268					
600347.04	4134135.42	0.29535	600343.23	4134336.21	
1.01361					
600337.28	4134327.14	0.86398	600331.33	4134318.07	
0.74437					
600325.38	4134309.00	0.64886	600319.43	4134299.93	
0.57130					
600313.48	4134290.86	0.50675	600307.53	4134281.79	
0.45242					
600301.58	4134272.72	0.40671	600308.27	4134231.46	
0.34371					
600311.03	4134220.97	0.33239	600313.79	4134210.48	
0.32187					

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600322.07	4134179.01	0.29497	600324.83	4134168.52	
0.28721					
600327.59	4134158.03	0.27997	600330.35	4134147.54	
0.27319					
600333.11	4134137.05	0.26681	600335.87	4134126.56	
0.26079					
600326.15	4134353.89	0.93154	600320.21	4134344.83	
0.79966					
600314.27	4134335.78	0.69294	600308.33	4134326.73	
0.60747					
600302.39	4134317.67	0.53781	600296.45	4134308.62	
0.47944					
600290.51	4134299.57	0.42996	600284.58	4134290.51	
0.38821					
600274.08	4134267.17	0.31662	600276.83	4134256.70	
0.30627					
600279.59	4134246.23	0.29696	600282.34	4134235.76	
0.28802					
600285.10	4134225.29	0.27941	600287.85	4134214.81	
0.27062					
600290.61	4134204.34	0.26213	600293.36	4134193.87	
0.25419					
600301.63	4134162.46	0.23504	600304.39	4134151.99	
0.22949					
600307.14	4134141.52	0.22429	600309.90	4134131.05	
0.21944					
600312.65	4134120.57	0.21485	600315.41	4134110.10	
0.21054					
600312.02	4134376.07	0.92191	600306.09	4134367.03	
0.79209					
600300.16	4134357.99	0.68880	600294.23	4134348.95	

0.60529				
600288.30	4134339.91	0.53678	600282.37	4134330.87
0.47986				
600276.44	4134321.83	0.43201	600270.51	4134312.79
0.39122				
600258.65	4134294.71	0.32637	600252.72	4134285.67
0.30000				
600248.17	4134271.40	0.27153	600250.92	4134260.94
0.26271				
600253.67	4134250.49	0.25459	600256.42	4134240.03
0.24710				
600259.17	4134229.58	0.23989	600261.92	4134219.12
0.23294				
600264.67	4134208.67	0.22623	600267.43	4134198.21
0.21970				
600270.18	4134187.75	0.21308	600272.93	4134177.30
0.20692				
600281.18	4134145.93	0.19175	600283.93	4134135.48
0.18748				
600294.94	4134093.65	0.17299	600293.69	4134391.85
0.82429				
600287.62	4134382.60	0.71065	600281.56	4134373.35
0.62065				
600275.49	4134364.10	0.54863	600269.42	4134354.85
0.48924				
600263.35	4134345.60	0.43966	600257.29	4134336.35
0.39782				
600239.08	4134308.60	0.30466	600233.02	4134299.35
0.28131				
600226.95	4134290.10	0.26072	600222.29	4134275.50
0.23813				
600225.11	4134264.80	0.23052	600227.92	4134254.11
0.22322				
600230.74	4134243.41	0.21671	600233.55	4134232.71
0.21035				
600236.37	4134222.01	0.20417	600239.18	4134211.31
0.19819				
600242.00	4134200.62	0.19244	600244.81	4134189.92
0.18658				
600247.63	4134179.22	0.18077	600258.89	4134136.43
0.16228				
600261.70	4134125.73	0.15854	600264.52	4134115.03
0.15508				
600267.33	4134104.33	0.15184	600270.15	4134093.63
0.14882				
600272.96	4134082.94	0.14599	600275.78	4134072.24
0.14334				
600279.66	4134414.18	0.82512	600273.61	4134404.96
0.71449				

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600267.56	4134395.73	0.62363	600261.51	4134386.51	
0.55022					
600255.46	4134377.29	0.48984	600249.41	4134368.07	
0.44077					
600243.36	4134358.85	0.39948	600237.31	4134349.63	
0.36427					
600225.22	4134331.18	0.30766	600219.17	4134321.96	
0.28463					
600213.12	4134312.74	0.26436	600207.07	4134303.52	
0.24638					
600201.02	4134294.30	0.23018	600196.38	4134279.74	
0.21227					
600199.18	4134269.08	0.20611	600201.99	4134258.41	
0.19994					
600204.80	4134247.75	0.19429	600207.60	4134237.08	
0.18881					
600210.41	4134226.42	0.18342	600221.64	4134183.76	
0.16247					
600224.44	4134173.09	0.15739	600227.25	4134162.43	
0.15272					
600230.06	4134151.76	0.14860	600232.86	4134141.10	
0.14472					
600238.48	4134119.77	0.13772	600241.28	4134109.10	
0.13457					
600244.09	4134098.44	0.13164	600246.90	4134087.77	
0.12890					
600249.70	4134077.11	0.12634	600252.51	4134066.44	
0.12394					
600255.32	4134055.78	0.12170	600374.52	4134301.25	
1.15719					
600337.14	4134348.56	1.03826	600323.13	4134366.30	
0.99330					
600318.45	4134372.22	0.97725	600309.11	4134384.05	
0.94785					
600304.44	4134389.96	0.93516	600290.42	4134407.70	
0.90272					
600271.73	4134431.36	0.85127	600267.06	4134437.27	
0.83826					
600234.35	4134478.67	0.73580	600229.68	4134484.58	
0.71933					
600225.01	4134490.49	0.70322	600201.64	4134520.06	
0.64180					
600196.97	4134525.98	0.63061	600192.30	4134531.89	
0.61984					
600187.63	4134537.80	0.60941	600182.95	4134543.72	
0.59911					
600336.21	4134338.22	0.93513	600331.54	4134344.14	
0.92328					
600317.52	4134361.88	0.88429	600303.50	4134379.62	
0.84607					
600298.83	4134385.53	0.83565	600289.49	4134397.36	
0.81746					
600284.81	4134403.27	0.80841	600266.12	4134426.93	
0.76598					
600261.45	4134432.84	0.75465	600242.76	4134456.50	
0.70803					
600238.09	4134462.41	0.69459	600233.42	4134468.32	
0.68038					
600228.75	4134474.24	0.66661	600210.06	4134497.89	
0.61437					
600205.38	4134503.81	0.60505	600200.71	4134509.72	

0.59653					
600196.04	4134515.64	0.58830	600191.37	4134521.55	
0.58043					
600330.61	4134333.79	0.83600	600325.93	4134339.71	
0.82583					
600316.59	4134351.53	0.80430	600311.92	4134357.45	
0.79277					
600297.90	4134375.19	0.76031	600283.88	4134392.93	
0.73578					
600279.21	4134398.84	0.72834	600260.52	4134422.50	
0.69380					
600255.85	4134428.41	0.68410	600251.18	4134434.33	
0.67415					
600246.50	4134440.24	0.66432	600241.83	4134446.16	
0.65406					
600237.16	4134452.07	0.64300	600232.49	4134457.98	
0.63159					
600227.81	4134463.90	0.61942	600209.12	4134487.55	
0.57346					

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600204.45	4134493.47	0.56296	600199.78	4134499.38	
0.55410					
600195.11	4134505.29	0.54678	600176.42	4134528.95	
0.51995					
600171.74	4134534.86	0.51104	600395.09	4134240.66	
0.89087					
600325.00	4134329.37	0.75144	600310.98	4134347.11	
0.72492					
600306.31	4134353.02	0.71516	600296.97	4134364.85	
0.69675					
600292.29	4134370.76	0.68798	600278.28	4134388.50	
0.66669					
600254.92	4134418.07	0.63208	600250.24	4134423.99	
0.62372					
600245.57	4134429.90	0.61513	600240.90	4134435.81	
0.60627					
600236.23	4134441.73	0.59744	600231.55	4134447.64	
0.58763					
600212.86	4134471.30	0.54662	600208.19	4134477.21	
0.53688					
600203.52	4134483.12	0.52750	600198.85	4134489.04	
0.51841					
600180.16	4134512.69	0.49192	600175.48	4134518.61	
0.48658					
600170.81	4134524.52	0.48086	600166.14	4134530.43	
0.47338					
600370.79	4134259.89	0.77037	600324.07	4134319.02	

0.68648				
600319.40	4134324.94	0.67930	600305.38	4134342.68
0.65676				
600291.36	4134360.42	0.63346	600286.69	4134366.33
0.62616				
600272.67	4134384.07	0.60718	600249.31	4134413.64
0.57886				
600244.64	4134419.56	0.57169	600225.95	4134443.21
0.53918				
600216.60	4134455.04	0.52107	600211.93	4134460.95
0.51240				
600207.26	4134466.87	0.50378	600202.59	4134472.78
0.49540				
600197.91	4134478.70	0.48683	600179.22	4134502.35
0.46020				
600174.55	4134508.26	0.45544	600169.88	4134514.18
0.45054				
600165.21	4134520.09	0.44545	600160.54	4134526.01
0.43970				
600350.24	4134262.86	0.61995	600312.86	4134310.17
0.57013				
600298.84	4134327.91	0.55388	600294.17	4134333.82
0.54837				
600280.15	4134351.56	0.53175	600266.14	4134369.30
0.51667				
600252.12	4134387.05	0.50414	600238.10	4134404.79
0.49224				
600233.43	4134410.70	0.48696	600228.76	4134416.62
0.48055				
600224.08	4134422.53	0.47376	600219.41	4134428.44
0.46691				
600214.74	4134434.36	0.46020	600210.07	4134440.27
0.45329				
600191.38	4134463.93	0.42535	600186.71	4134469.84
0.41888				
600182.03	4134475.75	0.41301	600177.36	4134481.67
0.40775				
600172.69	4134487.58	0.40277	600168.02	4134493.49
0.39876				
600163.34	4134499.41	0.39498	600158.67	4134505.32
0.39119				
600154.00	4134511.24	0.38692	600149.33	4134517.15
0.38234				
600315.67	4134283.57	0.49506	600306.32	4134295.40
0.48546				
600301.65	4134301.31	0.48138	600287.63	4134319.05
0.47051				
600273.62	4134336.79	0.45819	600259.60	4134354.53
0.44705				
600254.93	4134360.45	0.44350	600240.91	4134378.19
0.43292				
600226.89	4134395.93	0.42320	600222.22	4134401.85
0.41919				

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI			IN MICROGRAMS/M**3			**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
600217.55	4134407.76	0.41454	600203.53	4134425.50		
0.39878						
600194.19	4134437.33	0.38702	600189.51	4134443.24		
0.38131						
600184.84	4134449.16	0.37570	600180.17	4134455.07		
0.37035						
600175.50	4134460.98	0.36518	600170.82	4134466.90		
0.36055						
600166.15	4134472.81	0.35717	600161.48	4134478.72		
0.35389						
600156.81	4134484.64	0.35072	600152.13	4134490.55		
0.34759						
600147.46	4134496.47	0.34459	600142.79	4134502.38		
0.34101						
600138.12	4134508.29	0.33731	600299.79	4134280.63		
0.41834						
600295.11	4134286.54	0.41463	600281.10	4134304.28		
0.40741						
600267.08	4134322.02	0.39953	600262.41	4134327.94		
0.39680						
600248.39	4134345.68	0.38885	600234.37	4134363.42		
0.38081						
600229.70	4134369.33	0.37799	600215.68	4134387.07		
0.36942						
600211.01	4134392.99	0.36618	600206.34	4134398.90		
0.36254						
600201.67	4134404.82	0.35858	600196.99	4134410.73		
0.35439						
600192.32	4134416.64	0.34984	600187.65	4134422.56		
0.34521						
600182.98	4134428.47	0.34029	600178.30	4134434.39		
0.33537						
600173.63	4134440.30	0.33078	600168.96	4134446.21		
0.32721						
600164.29	4134452.13	0.32380	600159.61	4134458.04		
0.32041						
600154.94	4134463.95	0.31713	600150.27	4134469.87		
0.31418						
600145.60	4134475.78	0.31155	600140.92	4134481.70		
0.30907						
600136.25	4134487.61	0.30665	600131.58	4134493.52		
0.30412						
600126.91	4134499.44	0.30129	600370.82	4134144.64		
0.37510						
600342.78	4134180.12	0.35186	600300.73	4134233.35		
0.32688						
600296.06	4134239.26	0.32500	600291.39	4134245.17		
0.32288						
600286.71	4134251.09	0.32079	600268.02	4134274.74		
0.31526						
600263.35	4134280.66	0.31469	600249.33	4134298.40		
0.31127						
600244.66	4134304.31	0.31001	600235.32	4134316.14		
0.30751						
600230.64	4134322.05	0.30619	600216.63	4134339.79		
0.30196						
600211.95	4134345.71	0.30039	600207.28	4134351.62		

0.29873					
600193.26	4134369.36	0.29291	600188.59	4134375.28	
0.29113					
600183.92	4134381.19	0.28884	600179.25	4134387.10	
0.28608					
600174.58	4134393.02	0.28318	600169.90	4134398.93	
0.27995					
600165.23	4134404.85	0.27666	600160.56	4134410.76	
0.27352					
600155.89	4134416.67	0.27055	600151.21	4134422.59	
0.26781					
600146.54	4134428.50	0.26513	600141.87	4134434.41	
0.26262					
600137.20	4134440.33	0.26026	600132.52	4134446.24	
0.25796					
600127.85	4134452.16	0.25593	600123.18	4134458.07	
0.25400					
600118.51	4134463.98	0.25232	600359.61	4134135.78	
0.32735					
600331.57	4134171.26	0.30697	600308.21	4134200.83	
0.29347					
600303.54	4134206.75	0.29159	600298.87	4134212.66	
0.28994					

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600294.19	4134218.58	0.28869	600270.83	4134248.14	
0.28168					
600266.16	4134254.06	0.28055	600261.49	4134259.97	
0.27985					
600256.81	4134265.89	0.27941	600242.80	4134283.63	
0.27855					
600238.12	4134289.54	0.27806	600224.11	4134307.28	
0.27571					
600210.09	4134325.02	0.27291	600205.42	4134330.94	
0.27185					
600200.75	4134336.85	0.27039	600196.07	4134342.76	
0.26875					
600182.06	4134360.51	0.26408	600177.38	4134366.42	
0.26277					
600172.71	4134372.33	0.26150	600168.04	4134378.25	
0.25960					
600163.37	4134384.16	0.25683	600158.69	4134390.08	
0.25405					
600154.02	4134395.99	0.25125	600149.35	4134401.90	
0.24852					
600144.68	4134407.82	0.24579	600140.00	4134413.73	
0.24364					
600135.33	4134419.64	0.24154	600130.66	4134425.56	

0.23943				
600125.99	4134431.47	0.23729	600121.31	4134437.39
0.23514				
600116.64	4134443.30	0.23340	600111.97	4134449.21
0.23174				
600107.30	4134455.13	0.23019	600102.62	4134461.04
0.22850				
600097.95	4134466.95	0.22665	600093.28	4134472.87
0.22463				
600348.40	4134126.93	0.28769	600320.36	4134162.41
0.26990				
600315.69	4134168.32	0.26735	600311.02	4134174.24
0.26495				
600282.98	4134209.72	0.25529	600278.31	4134215.63
0.25448				
600273.64	4134221.55	0.25368	600268.97	4134227.46
0.25279				
600240.93	4134262.94	0.24970	600236.26	4134268.86
0.24979				
600231.59	4134274.77	0.24990	600226.92	4134280.68
0.25003				
600217.57	4134292.51	0.24972	600212.90	4134298.43
0.24926				
600203.55	4134310.25	0.24813	600198.88	4134316.17
0.24703				
600194.21	4134322.08	0.24594	600189.54	4134327.99
0.24469				
600184.86	4134333.91	0.24336	600170.85	4134351.65
0.23960				
600166.17	4134357.56	0.23869	600161.50	4134363.48
0.23755				
600156.83	4134369.39	0.23618	600152.16	4134375.30
0.23458				
600147.48	4134381.22	0.23237	600142.81	4134387.13
0.22997				
600138.14	4134393.05	0.22776	600133.47	4134398.96
0.22564				
600128.79	4134404.87	0.22359	600124.12	4134410.79
0.22170				
600119.45	4134416.70	0.21983	600114.78	4134422.62
0.21794				
600110.10	4134428.53	0.21613	600105.43	4134434.44
0.21451				
600100.76	4134440.36	0.21309	600096.09	4134446.27
0.21155				
600091.42	4134452.18	0.20995	600086.74	4134458.10
0.20825				
600082.07	4134464.01	0.20651	600332.47	4134104.74
0.23305				
600327.80	4134110.65	0.23048	600323.13	4134116.57
0.22799				
600299.77	4134146.13	0.21698	600295.09	4134152.05
0.21517				
600290.42	4134157.96	0.21354	600262.39	4134193.45
0.20892				
600257.71	4134199.36	0.20863	600253.04	4134205.27
0.20829				

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*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600248.37	4134211.19	0.20807	600243.70	4134217.10	
0.20795					
600220.34	4134246.67	0.20828	600215.66	4134252.58	
0.20842					
600210.99	4134258.50	0.20869	600206.32	4134264.41	
0.20921					
600187.63	4134288.07	0.20973	600182.96	4134293.98	
0.20924					
600178.28	4134299.89	0.20867	600173.61	4134305.81	
0.20810					
600168.94	4134311.72	0.20766	600164.27	4134317.63	
0.20720					
600150.25	4134335.38	0.20539	600145.58	4134341.29	
0.20464					
600140.90	4134347.20	0.20367	600136.23	4134353.12	
0.20244					
600131.56	4134359.03	0.20114	600126.89	4134364.95	
0.19983					
600122.21	4134370.86	0.19837	600117.54	4134376.77	
0.19685					
600112.87	4134382.69	0.19532	600108.20	4134388.60	
0.19394					
600103.53	4134394.51	0.19250	600098.85	4134400.43	
0.19098					
600094.18	4134406.34	0.18943	600089.51	4134412.26	
0.18804					
600084.84	4134418.17	0.18680	600080.16	4134424.08	
0.18576					
600075.49	4134430.00	0.18474	600070.82	4134435.91	
0.18366					
600066.15	4134441.82	0.18230	600061.47	4134447.74	
0.18088					
600291.28	4134072.19	0.15730	600286.61	4134078.11	
0.15583					
600281.93	4134084.02	0.15446	600277.26	4134089.93	
0.15320					
600253.90	4134119.50	0.14868	600249.23	4134125.42	
0.14817					
600216.52	4134166.81	0.14815	600211.85	4134172.73	
0.14884					
600207.18	4134178.64	0.14962	600202.50	4134184.55	
0.15046					
600197.83	4134190.47	0.15137	600193.16	4134196.38	
0.15234					
600188.49	4134202.29	0.15304	600183.81	4134208.21	
0.15375					
600179.14	4134214.12	0.15447	600174.47	4134220.04	
0.15518					
600169.80	4134225.95	0.15586	600165.12	4134231.86	
0.15652					
600160.45	4134237.78	0.15714	600155.78	4134243.69	
0.15771					
600151.11	4134249.61	0.15822	600146.43	4134255.52	

0.15867					
600141.76	4134261.43	0.15905	600137.09	4134267.35	
0.15937					
600132.42	4134273.26	0.15961	600127.74	4134279.17	
0.15977					
600123.07	4134285.09	0.15987	600109.06	4134302.83	
0.15960					
600104.38	4134308.74	0.15919	600099.71	4134314.66	
0.15856					
600095.04	4134320.57	0.15785	600090.37	4134326.48	
0.15718					
600085.69	4134332.40	0.15648	600081.02	4134338.31	
0.15595					
600076.35	4134344.23	0.15552	600071.68	4134350.14	
0.15495					
600067.00	4134356.05	0.15434	600062.33	4134361.97	
0.15365					
600057.66	4134367.88	0.15288	600052.99	4134373.79	
0.15199					
600048.31	4134379.71	0.15127	600043.64	4134385.62	
0.15056					
600038.97	4134391.54	0.14988	600034.30	4134397.45	
0.14917					
600029.62	4134403.36	0.14845	600024.95	4134409.28	
0.14751					
600020.28	4134415.19	0.14624	600270.68	4134055.92	
0.13228					

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600266.01	4134061.83	0.13127	600261.34	4134067.75	
0.13036					
600256.66	4134073.66	0.12954	600233.30	4134103.23	
0.12705					
600228.63	4134109.14	0.12687	600214.61	4134126.88	
0.12700					
600209.94	4134132.80	0.12727	600205.27	4134138.71	
0.12763					
600200.60	4134144.62	0.12808	600195.92	4134150.54	
0.12862					
600191.25	4134156.45	0.12923	600186.58	4134162.37	
0.12992					
600181.91	4134168.28	0.13074	600177.23	4134174.19	
0.13176					
600172.56	4134180.11	0.13284	600167.89	4134186.02	
0.13394					
600163.22	4134191.94	0.13507	600158.54	4134197.85	
0.13611					
600153.87	4134203.76	0.13697	600149.20	4134209.68	

0.13781				
600144.53	4134215.59	0.13861	600139.85	4134221.50
0.13937				
600135.18	4134227.42	0.14009	600130.51	4134233.33
0.14074				
600125.84	4134239.25	0.14135	600121.16	4134245.16
0.14187				
600116.49	4134251.07	0.14234	600111.82	4134256.99
0.14274				
600107.15	4134262.90	0.14306	600102.48	4134268.81
0.14332				
600088.46	4134286.56	0.14366	600083.79	4134292.47
0.14334				
600079.11	4134298.38	0.14305	600074.44	4134304.30
0.14275				
600069.77	4134310.21	0.14251	600065.10	4134316.12
0.14223				
600060.42	4134322.04	0.14206	600055.75	4134327.95
0.14181				
600051.08	4134333.87	0.14143	600046.41	4134339.78
0.14096				
600041.73	4134345.69	0.14049	600037.06	4134351.61
0.13990				
600032.39	4134357.52	0.13918	600027.72	4134363.44
0.13844				
600023.04	4134369.35	0.13763	600018.37	4134375.26
0.13677				
600013.70	4134381.18	0.13602	600009.03	4134387.09
0.13519				
600004.35	4134393.00	0.13421	599999.68	4134398.92
0.13317				
600180.65	4134609.15	0.79816	600178.12	4134600.06
0.74621				
600173.84	4134611.14	0.74317	600167.67	4134623.27
0.72577				
600157.52	4134605.56	0.61130	600159.71	4134594.69
0.59647				
600168.46	4134551.18	0.53559	600153.34	4134617.05
0.61407				
600150.65	4134607.42	0.57601	600152.87	4134596.42
0.56163				
600155.08	4134585.42	0.54652	600163.93	4134541.43
0.48822				
600150.32	4134623.18	0.61039	600143.78	4134609.28
0.54434				
600146.02	4134598.18	0.53034	600148.25	4134587.08
0.51564				
600157.19	4134542.66	0.46044	600147.32	4134638.76
0.62549				
600139.95	4134630.72	0.57032	600132.59	4134622.69
0.51954				
600129.98	4134613.33	0.49032	600132.13	4134602.64
0.47820				
600134.28	4134591.95	0.46547	600136.43	4134581.27
0.45280				
600138.58	4134570.58	0.44054	600145.03	4134538.52
0.40486				
600147.18	4134527.84	0.39362	600141.38	4134651.13
0.61440				
600133.89	4134642.95	0.56327	600126.39	4134634.77
0.51477				

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600118.89	4134626.59	0.47055	600116.24	4134617.06	
0.44471					
600118.43	4134606.19	0.43372	600120.61	4134595.31	
0.42219					
600122.80	4134584.43	0.41047	600124.99	4134573.56	
0.39892					
600127.18	4134562.68	0.38752	600133.74	4134530.05	
0.35620					
600135.93	4134519.17	0.34661	600131.80	4134659.53	
0.57796					
600124.20	4134651.23	0.53215	600116.59	4134642.93	
0.48876					
600108.99	4134634.63	0.44783	600102.49	4134620.82	
0.40604					
600104.71	4134609.78	0.39607	600106.93	4134598.75	
0.38563					
600109.15	4134587.71	0.37492	600111.37	4134576.68	
0.36402					
600113.59	4134565.64	0.35323	600115.81	4134554.61	
0.34294					
600122.47	4134521.51	0.31641	600124.69	4134510.47	
0.30873					
600126.10	4134672.16	0.56709	600118.41	4134663.76	
0.52460					
600110.71	4134655.36	0.48382	600103.01	4134646.96	
0.44503					
600095.32	4134638.57	0.40901	600088.74	4134624.59	
0.37241					
600090.99	4134613.42	0.36383	600093.24	4134602.25	
0.35420					
600095.48	4134591.08	0.34443	600097.73	4134579.92	
0.33461					
600099.97	4134568.75	0.32473	600102.22	4134557.58	
0.31509					
600104.47	4134546.42	0.30672	600111.21	4134512.91	
0.28396					
600113.45	4134501.75	0.27762	600199.82	4134741.14	
0.86281					
600115.09	4134678.99	0.52895	600107.59	4134670.81	
0.49132					
600100.10	4134662.63	0.45534	600092.60	4134654.45	
0.42111					
600085.10	4134646.27	0.38898	600077.61	4134638.09	
0.36040					
600074.95	4134628.56	0.34352	600077.14	4134617.69	
0.33624					
600079.33	4134606.81	0.32784	600081.52	4134595.93	
0.31920					
600083.70	4134585.06	0.31050	600085.89	4134574.18	

0.30184					
600088.08	4134563.30	0.29330	600090.27	4134552.43	
0.28547					
600092.46	4134541.55	0.27869	600094.64	4134530.67	
0.27212					
600194.81	4134754.51	0.82058	600113.15	4134695.73	
0.53724					
600105.57	4134687.46	0.50233	600098.00	4134679.19	
0.46770					
600090.42	4134670.92	0.43431	600082.84	4134662.65	
0.40258					
600075.26	4134654.38	0.37320	600067.68	4134646.11	
0.34601					
600061.20	4134632.34	0.31828	600063.42	4134621.34	
0.31151					
600065.63	4134610.34	0.30404	600067.84	4134599.34	
0.29598					
600070.05	4134588.35	0.28798	600072.26	4134577.35	
0.28021					
600074.48	4134566.35	0.27258	600076.69	4134555.35	
0.26503					
600078.90	4134544.35	0.25890	600089.96	4134489.36	
0.23149					
600189.79	4134767.89	0.78178	600103.73	4134704.29	
0.50985					
600096.08	4134695.94	0.47773	600088.42	4134687.59	
0.44631					
600080.77	4134679.24	0.41567	600073.12	4134670.89	
0.38641					
600065.47	4134662.54	0.35894	600057.81	4134654.19	
0.33347					

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600050.16	4134645.84	0.30992	600047.45	4134636.12	
0.29607					
600049.69	4134625.01	0.28977	600051.92	4134613.91	
0.28305					
600054.15	4134602.81	0.27565	600056.39	4134591.70	
0.26824					
600058.62	4134580.60	0.26113	600060.85	4134569.50	
0.25439					
600063.09	4134558.39	0.24770	600078.72	4134480.67	
0.21244					
600174.11	4134777.27	0.72345	600184.78	4134781.27	
0.74600					
600155.71	4134795.65	0.65362	600086.46	4134720.08	
0.46599					
600078.76	4134711.69	0.43842	600071.07	4134703.29	

0.41147				
600063.37	4134694.89	0.38549	600055.68	4134686.50
0.36076				
600047.98	4134678.10	0.33688	600040.29	4134669.70
0.31429				
600032.59	4134661.31	0.29329	600024.90	4134652.91
0.27371				
600022.17	4134643.13	0.26167	600024.42	4134631.97
0.25615				
600026.66	4134620.80	0.25048	600028.91	4134609.64
0.24429				
600031.15	4134598.47	0.23776	600042.38	4134542.64
0.20983				
600044.63	4134531.48	0.20509	600046.88	4134520.31
0.20109				
600058.10	4134464.49	0.18497	600164.89	4134801.84
0.66818				
600175.56	4134805.84	0.68678	600146.57	4134820.31
0.60762				
600139.03	4134812.08	0.59921	600071.17	4134738.03
0.43468				
600063.63	4134729.81	0.41143	600056.09	4134721.58
0.38844				
600048.54	4134713.35	0.36610	600041.00	4134705.12
0.34466				
600033.46	4134696.90	0.32424	600025.92	4134688.67
0.30488				
600018.38	4134680.44	0.28634	600010.84	4134672.21
0.26865				
600003.30	4134663.99	0.25210	599996.86	4134650.29
0.23396				
599999.06	4134639.35	0.22898	600001.26	4134628.41
0.22411				
600010.07	4134584.64	0.20275	600012.27	4134573.70
0.19802				
600014.47	4134562.76	0.19346	600016.67	4134551.82
0.18910				
600018.87	4134540.88	0.18499	600021.07	4134529.94
0.18115				
600023.27	4134518.99	0.17804	600025.47	4134508.05
0.17541				
600027.67	4134497.11	0.17311	600038.68	4134442.41
0.16315				
600155.67	4134826.42	0.61927	600166.34	4134830.42
0.63453				
600137.33	4134844.86	0.56510	600129.75	4134836.59
0.55867				
600053.90	4134753.83	0.40169	600046.32	4134745.56
0.38123				
600038.73	4134737.28	0.36107	600031.15	4134729.01
0.34161				
600023.57	4134720.73	0.32273	600015.98	4134712.46
0.30466				
600008.40	4134704.18	0.28748	600000.81	4134695.90
0.27116				
599993.23	4134687.63	0.25575	599985.64	4134679.35
0.24090				
599978.06	4134671.08	0.22695	599980.44	4134613.28
0.19308				
599982.65	4134602.28	0.18830	599984.86	4134591.27
0.18354				
599987.08	4134580.27	0.17900	599989.29	4134569.26
0.17480				
599991.50	4134558.26	0.17083	599993.72	4134547.25

0.16718

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

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*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): CON_ZONE , ***

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

Table with 7 columns: X-COORD (M), Y-COORD (M), CONC, X-COORD (M), Y-COORD (M), CONC. It lists discrete Cartesian receptor points with their coordinates and concentrations.

14.68111					
600622.27	4134338.26	14.85533		600627.53	4134305.73
12.48170					
600647.14	4134318.88	12.41388		600619.87	4134318.88
13.85615					
600640.45	4134331.08	13.58737		600629.20	4134325.58
13.84827					
600636.62	4134312.42	12.54062		600636.14	4134292.33
11.01877					
600646.90	4134298.07	10.94481		600656.23	4134303.81
10.87627					
600654.56	4134283.24	9.61042		600589.73	4134278.46
11.62567					

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFault CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600272.44	4134683.22	690.24174	(99123009)	600265.29	4134682.89	688.35585
(99123009)						
600258.14	4134682.57	681.70535	(99123009)	600274.64	4134690.12	693.92922
(99123009)						
600260.95	4134689.50	690.52598	(99123009)	600247.26	4134688.88	674.73717
(99123009)						
600291.16	4134700.33	691.59552	(99123009)	600278.23	4134703.89	698.72534
(99123009)						
600271.19	4134703.57	700.53009	(99123009)	600264.15	4134703.25	700.93797
(99123009)						
600257.11	4134702.93	697.31081	(99123009)	600250.07	4134702.61	691.78584
(99123009)						
600243.03	4134702.29	684.79568	(99123009)	600235.99	4134701.97	676.15301
(99123009)						
600301.10	4134710.06	682.80537	(99123009)	600295.07	4134714.02	689.55926
(99123009)						
600281.85	4134717.65	698.21924	(99123009)	600274.65	4134717.33	701.14154
(99123009)						
600267.45	4134717.00	702.77205	(99123009)	600260.25	4134716.67	702.28448
(99123009)						
600253.05	4134716.35	699.57002	(99123009)	600245.85	4134716.02	695.00035
(99123009)						
600238.65	4134715.69	689.00308	(99123009)	600231.45	4134715.37	681.90452
(99123009)						
600224.25	4134715.04	673.85032	(99123009)	600311.24	4134719.66	668.95849
(99123009)						
600305.10	4134723.69	676.27056	(99123009)	600298.97	4134727.72	683.29782
(99123009)						
600285.50	4134731.42	695.10139	(99123009)	600278.17	4134731.09	698.35811
(99123009)						
600270.84	4134730.76	700.77813	(99123009)	600263.50	4134730.42	701.89245
(99123009)						

600256.17 (99123009)	4134730.09	700.93432 (99123009)	600248.84	4134729.76	698.87600
600241.50 (99123009)	4134729.43	694.97218 (99123009)	600234.17	4134729.09	689.95771
600226.84 (99123009)	4134728.76	684.91043 (99123009)	600219.51	4134728.43	678.74257
600212.17 (99123009)	4134728.09	671.09910 (99123009)	600321.53	4134729.16	649.84087
600315.30 (99123009)	4134733.25	657.41905 (99123009)	600309.08	4134737.34	664.63810
600302.85 (99123009)	4134741.44	670.94589 (99123009)	600289.17	4134745.19	686.02083
600281.73 (99123009)	4134744.86	690.93945 (99123009)	600274.28	4134744.52	694.96930
600266.83 (99123009)	4134744.18	697.73618 (99123009)	600259.39	4134743.84	698.81383
600251.94 (99123009)	4134743.50	698.83805 (99123009)	600244.50	4134743.17	697.08565
600237.05 (99123009)	4134742.83	694.21483 (99123009)	600229.61	4134742.49	690.55649
600222.16 (99123009)	4134742.15	686.83063 (99123009)	600214.71	4134741.81	681.65419
600207.27 (99123009)	4134741.48	671.50269 (99123009)	600331.95	4134738.57	622.96795
600325.64 (99123009)	4134742.72	629.96234 (99123009)	600319.33	4134746.87	636.87869
600313.02 (99123009)	4134751.01	643.66498 (99123009)	600306.71	4134755.16	650.56711
600292.86 (99123009)	4134758.96	670.55885 (99123009)	600285.32	4134758.62	678.22640
600277.77 (99123009)	4134758.28	684.18749 (99123009)	600270.23	4134757.94	689.11259
600262.69 (99123009)	4134757.60	692.69140 (99123009)	600255.15	4134757.25	694.52884
600247.60 (99123009)	4134756.91	695.24486 (99123009)	600240.06	4134756.57	694.53252
600232.52 (99123009)	4134756.23	692.33314 (99123009)	600224.98	4134755.88	689.44443
600217.43 (99123009)	4134755.54	685.33918 (99123009)	600209.89	4134755.20	679.38594
600202.35 (99123009)	4134754.86	670.57026 (99123009)	600346.05	4134745.57	580.34743
600340.07 (99123009)	4134749.50	588.22159 (99123009)	600334.09	4134753.43	595.72731
600328.11 (99123009)	4134757.36	602.82966 (99123009)	600322.13	4134761.29	609.46071
600316.15 (99123009)	4134765.22	616.62626 (99123009)	600310.17	4134769.15	623.60715

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
01/05/16

*** AERMET - VERSION 15181 *** **
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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

(YYMMDDHH)

600297.04	4134772.76	644.59791	(99123009)	600289.89	4134772.43	656.85984
(99123009)						
600282.74	4134772.11	665.99577	(99123009)	600275.59	4134771.78	673.47887
(99123009)						
600268.44	4134771.46	679.92882	(99123009)	600261.29	4134771.14	684.78520
(99123009)						
600254.14	4134770.81	688.03986	(99123009)	600246.99	4134770.49	690.29975
(99123009)						
600239.84	4134770.16	690.89488	(99123009)	600232.69	4134769.84	690.23418
(99123009)						
600225.54	4134769.51	688.62557	(99123009)	600218.39	4134769.19	685.39144
(99123009)						
600211.24	4134768.86	680.81269	(99123009)	600204.09	4134768.54	674.83264
(99123009)						
600196.94	4134768.21	667.87872	(99123009)	600350.40	4134758.97	538.57245
(99123009)						
600344.34	4134762.95	548.14724	(99123009)	600338.28	4134766.94	556.97428
(99123009)						
600332.22	4134770.92	566.08634	(99123009)	600326.15	4134774.91	574.45914
(99123009)						
600320.09	4134778.89	582.52581	(99123009)	600314.03	4134782.87	590.01804
(99123009)						
600300.72	4134786.53	612.94527	(99123009)	600293.47	4134786.20	627.54926
(99123009)						
600286.23	4134785.87	640.75250	(99123009)	600278.98	4134785.54	652.15892
(99123009)						
600271.74	4134785.21	662.09541	(99123009)	600264.49	4134784.88	670.63642
(99123009)						
600257.24	4134784.56	676.53785	(99123009)	600250.00	4134784.23	681.06449
(99123009)						
600242.75	4134783.90	683.93109	(99123009)	600235.50	4134783.57	685.45003
(99123009)						
600228.26	4134783.24	685.97658	(99123009)	600221.01	4134782.91	684.79263
(99123009)						
600213.76	4134782.58	682.26140	(99123009)	600206.52	4134782.25	678.73339
(99123009)						
600199.27	4134781.92	673.46460	(99123009)	600192.02	4134781.59	665.86289
(99123009)						
600307.59	4134811.84	544.27614	(99123009)	600300.25	4134811.51	564.22823
(99123009)						
600292.92	4134811.17	582.17696	(99123009)	600285.58	4134810.84	599.63717
(99123009)						
600278.25	4134810.51	615.18004	(99123009)	600270.91	4134810.17	628.95498
(99123009)						
600263.58	4134809.84	641.25236	(99123009)	600256.24	4134809.51	651.40534
(99123009)						
600248.91	4134809.17	660.22840	(99123009)	600241.57	4134808.84	667.27733
(99123009)						
600234.24	4134808.51	672.90488	(99123009)	600226.90	4134808.18	676.44665
(99123009)						
600219.57	4134807.84	678.26485	(99123009)	600212.23	4134807.51	678.68380
(99123009)						
600204.90	4134807.18	677.35407	(99123009)	600197.56	4134806.84	672.76534
(99123009)						
600190.23	4134806.51	666.85068	(99123009)	600182.89	4134806.18	659.60246
(99123009)						
600292.25	4134836.14	532.92938	(99123009)	600284.84	4134835.80	553.75124
(99123009)						
600277.43	4134835.47	572.52669	(99123009)	600270.03	4134835.13	589.52570
(99123009)						
600262.62	4134834.79	604.56286	(99123009)	600255.22	4134834.46	618.84952

(99123009)	600247.81	4134834.12	631.70362	(99123009)	600240.40	4134833.79	642.90718
(99123009)	600233.00	4134833.45	652.47611	(99123009)	600225.59	4134833.11	659.61869
(99123009)	600218.19	4134832.78	662.92754	(99123009)	600210.78	4134832.44	664.63080
(99123009)	600203.37	4134832.10	664.79063	(99123009)	600195.97	4134831.77	663.46208
(99123009)	600188.56	4134831.43	660.69875	(99123009)	600181.15	4134831.10	656.45525
(99123009)	600173.75	4134830.76	650.81177	(99123009)	600269.10	4134860.09	546.27647
(99123009)	600261.64	4134859.75	564.25988	(99123009)	600254.17	4134859.41	580.38662
(99123009)	600246.71	4134859.07	594.82941	(99123009)	600239.24	4134858.73	607.13082
(99123009)	600231.78	4134858.39	617.83507	(99123009)	600224.31	4134858.05	627.49862

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** **

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YMMDDHH)	Y-COORD (M)	CONC (YMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600216.85	4134857.71	634.66875	(99123009)	600209.38	4134857.37	640.12382
(99123009)						
600201.92	4134857.04	643.93539	(99123009)	600194.45	4134856.70	646.13548
(99123009)						
600186.99	4134856.36	646.73779	(99123009)	600179.52	4134856.02	645.84500
(99123009)						
600172.05	4134855.68	642.54034	(99123009)	600164.59	4134855.34	637.11214
(99123009)						
600253.11	4134884.36	525.13961	(99123009)	600245.60	4134884.02	543.25054
(99123009)						
600238.08	4134883.67	559.65892	(99123009)	600230.57	4134883.33	574.21341
(99123009)						
600223.06	4134882.99	586.99155	(99123009)	600215.54	4134882.65	598.01664
(99123009)						
600208.03	4134882.31	607.28568	(99123009)	600200.51	4134881.97	614.58457
(99123009)						
600193.00	4134881.63	618.63693	(99123009)	600185.48	4134881.29	621.28675
(99123009)						
600177.97	4134880.94	622.34809	(99123009)	600170.45	4134880.60	621.59251
(99123009)						
600162.94	4134880.26	619.58443	(99123009)	600155.42	4134879.92	616.12063
(99123009)						
600492.93	4134784.82	590.86136	(00122909)	600497.70	4134778.88	607.21217
(00122909)						
600502.46	4134772.94	621.73764	(00122909)	600507.23	4134767.00	634.84991
(00122909)						

600511.99 (00122909)	4134761.05	647.77934 (00122909)	600516.76	4134755.11	658.92730
600521.52 (00122909)	4134749.17	668.04845 (00122909)	600526.29	4134743.23	675.00152
600531.05 (00122909)	4134737.29	679.61871 (00122909)	600535.82	4134731.35	679.33338
600540.58 (00122909)	4134725.41	676.64754 (00122909)	600545.35	4134719.47	672.01792
600550.11 (00122909)	4134713.53	665.31874 (00122909)	600554.88	4134707.58	657.12834
600559.64 (00122909)	4134701.64	648.66680 (00122909)	600564.41	4134695.70	637.96424
600569.17 (00122909)	4134689.76	625.08016 (00122909)	600573.93	4134683.82	611.26567
600284.82 (99123009)	4134706.44	696.30999 (99123009)	600298.48	4134750.27	670.21635
600322.29 (99123009)	4134768.74	595.67912 (99123009)	600266.30	4134791.75	660.87757
600272.25 (99123009)	4134796.36	646.52879 (99123009)	600278.20	4134800.98	630.19967
600184.73 (99123009)	4134761.67	644.89132 (99123009)	600202.59	4134775.53	675.23487
600226.40 (99123009)	4134794.01	681.48446 (99123009)	600232.35	4134798.63	678.43925
600256.16 (99123009)	4134817.10	641.57351 (99123009)	600262.11	4134821.72	624.97384
600268.06 (98121617)	4134826.34	606.42174 (99123009)	600255.53	4134443.24	340.11957
600250.53 (98121617)	4134450.24	335.11213 (99012317)	600234.17	4134427.98	349.29676
600229.17 (98121617)	4134434.98	343.57132 (98121617)	600212.81	4134412.72	350.05654
600207.81 (99123009)	4134419.72	345.75599 (98121617)	600295.16	4134734.83	686.77975
600288.21 (99123009)	4134723.54	694.69284 (99123009)	600328.43	4134783.98	548.34182
600304.01 (99123009)	4134795.56	587.15526 (99123009)	600241.49	4134693.91	673.01219
600247.51 (99123009)	4134463.15	362.24346 (99012317)	600312.99	4134805.21	544.09892
600188.40 (99012317)	4134609.36	620.00446 (00010309)	600212.56	4134506.02	410.21395
600215.58 (99012317)	4134493.11	386.77066 (99012317)	600218.60	4134480.19	365.69617
600221.62 (98121617)	4134467.27	342.69044 (99012317)	600224.64	4134454.36	322.83871
600292.05 (99123009)	4134822.44	560.96083 (99123009)	600248.80	4134798.45	670.08937
600156.45 (00010309)	4134639.39	588.55670 (00010309)	600159.47	4134626.47	590.67074
600162.49 (00010309)	4134613.55	585.86325 (00010309)	600165.51	4134600.63	572.98084
600177.60 (00010309)	4134548.94	470.38826 (00010309)	600180.62	4134536.02	432.30579

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION
01/05/16

*** AERMET - VERSION 15181 *** ***
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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE A-1667

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI IN MICROGRAMS/M**3					**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
600183.64	4134523.10	409.59907	(99012317)	600186.66	4134510.18	387.86260	
(99012317)							
600189.68	4134497.25	363.87345	(99012317)	600192.70	4134484.33	342.68600	
(99012317)							
600195.73	4134471.41	320.77839	(99012317)	600198.75	4134458.49	305.15095	
(98121617)							
600201.77	4134445.57	323.21776	(98121617)	600204.79	4134432.64	336.74173	
(98121617)							
600276.61	4134843.66	559.64421	(99123009)	600494.00	4134792.43	590.20300	
(00122909)							
600484.25	4134805.17	553.44473	(00122909)	600494.00	4134806.71	584.42865	
(00122909)							
600484.29	4134819.47	548.72651	(00122909)	600494.00	4134821.00	579.51426	
(00122909)							
600534.66	4134711.40	672.94243	(00122909)	600542.72	4134708.44	667.93367	
(00122909)							
600528.07	4134727.24	677.32430	(00122909)	600547.39	4134736.97	681.62479	
(00122909)							
600539.18	4134738.91	681.47656	(00122909)	600514.54	4134744.72	661.41949	
(00122909)							
600555.50	4134734.00	676.86733	(00122909)	600553.63	4134749.78	677.36618	
(00122909)							
600545.11	4134751.79	678.60937	(00122909)	600536.59	4134753.80	676.54303	
(00122909)							
600528.07	4134755.81	671.02365	(00122909)	600561.89	4134746.78	673.90624	
(00122909)							
600560.14	4134762.53	671.80048	(00122909)	600551.87	4134764.48	674.53153	
(00122909)							
600543.61	4134766.43	674.33745	(00122909)	600535.34	4134768.38	671.43081	
(00122909)							
600527.07	4134770.34	664.82067	(00122909)	600518.80	4134772.29	654.04045	
(00122909)							
600510.54	4134774.24	639.04795	(00122909)	600568.28	4134759.55	662.97142	
(00122909)							
600566.41	4134775.34	669.44868	(00122909)	600557.89	4134777.35	675.59547	
(00122909)							
600549.37	4134779.36	677.03801	(00122909)	600540.85	4134781.37	674.87357	
(00122909)							
600532.33	4134783.38	668.80389	(00122909)	600523.81	4134785.39	658.77383	
(00122909)							
600515.30	4134787.40	644.31440	(00122909)	600506.78	4134789.41	625.56196	
(00122909)							
600574.67	4134772.33	655.80780	(00122909)	600572.90	4134788.09	668.40645	
(00122909)							
600564.60	4134790.05	677.82372	(00122909)	600556.29	4134792.01	680.25542	
(00122909)							
600547.99	4134793.97	679.38327	(00122909)	600539.68	4134795.93	675.17758	
(00122909)							
600531.37	4134797.89	666.71762	(00122909)	600523.07	4134799.85	654.73406	
(00122909)							
600514.76	4134801.81	639.12323	(00122909)	600506.46	4134803.77	619.79503	
(00122909)							
600581.05	4134785.11	655.30771	(00122909)	600579.18	4134800.89	666.16045	
(00122909)							
600570.67	4134802.90	675.00187	(00122909)	600562.15	4134804.91	680.98677	

(00122909)							
600553.63	4134806.92	680.04183	(00122909)	600545.11	4134808.93	676.04672	
(00122909)							
600536.59	4134810.95	668.54907	(00122909)	600528.07	4134812.96	657.96875	
(00122909)							
600519.56	4134814.97	643.78225	(00122909)	600511.04	4134816.98	625.96166	
(00122909)							
600502.52	4134818.99	604.46173	(00122909)	600587.44	4134797.89	655.21404	
(00122909)							
600590.97	4134824.36	642.33031	(00122909)	600582.53	4134826.35	656.48275	
(00122909)							
600574.10	4134828.34	668.32007	(00122909)	600565.67	4134830.33	676.41763	
(00122909)							
600557.24	4134832.32	676.97614	(00122909)	600548.81	4134834.31	673.25946	
(00122909)							
600540.38	4134836.30	666.53114	(00122909)	600531.94	4134838.29	656.55789	
(00122909)							
600523.51	4134840.28	645.00904	(00122909)	600515.08	4134842.27	629.64613	
(00122909)							
600506.65	4134844.26	610.99120	(00122909)	600599.18	4134821.36	629.51096	
(00122909)							
600602.58	4134847.87	633.15256	(00122909)	600593.89	4134849.92	647.47885	
(00122909)							
600585.21	4134851.97	659.09163	(00122909)	600576.52	4134854.02	667.54477	
(00122909)							

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600567.83	4134856.07	671.93947	(00122909)	600559.15	4134858.12	672.79232
(00122909)						
600550.46	4134860.17	670.59553	(00122909)	600541.77	4134862.22	665.47230
(00122909)						
600533.09	4134864.27	656.87455	(00122909)	600610.92	4134844.84	616.94242
(00122909)						
600614.36	4134871.34	616.59153	(00122909)	600605.76	4134873.37	632.84799
(00122909)						
600597.17	4134875.40	645.14659	(00122909)	600588.57	4134877.42	654.60022
(00122909)						
600579.97	4134879.45	661.61576	(00122909)	600571.38	4134881.48	665.20262
(00122909)						
600562.78	4134883.51	666.16235	(00122909)	600554.18	4134885.54	668.54348
(00122909)						
600622.66	4134868.32	592.84870	(00122909)	600626.14	4134894.81	586.13341
(00122909)						
600617.61	4134896.82	609.22482	(00122909)	600609.09	4134898.83	624.58396
(00122909)						
600600.56	4134900.84	637.40132	(00122909)	600592.04	4134902.86	648.45310
(00122909)						

600583.51	4134904.87	658.58140	(00122909)	600574.99	4134906.88	666.73637
(00122909)						
600634.40	4134891.80	561.95863	(00122909)	600572.59	4134652.25	609.31509
(00122909)						
600573.32	4134662.52	607.48142	(00122909)	600578.07	4134656.82	595.20594
(00122909)						
600582.82	4134651.13	581.18892	(00122909)	600587.57	4134645.43	565.82267
(00122909)						
600592.32	4134639.74	551.13108	(00122909)	600597.07	4134634.04	536.26859
(00122909)						
600601.82	4134628.35	519.46245	(00122909)	600606.57	4134622.65	500.62241
(00122909)						
600611.32	4134616.96	479.97124	(00122909)	600616.07	4134611.27	456.77700
(00122909)						
600620.82	4134605.57	432.73960	(00122909)	600625.57	4134599.88	408.99387
(00122909)						
600630.32	4134594.18	385.47546	(00122909)	600635.07	4134588.49	361.02919
(00122909)						
600639.82	4134582.79	339.14235	(99010917)	600564.34	4134682.41	630.23073
(00122909)						
600554.42	4134690.27	652.05977	(00122909)	600574.06	4134672.79	606.08716
(00122909)						
600578.81	4134667.09	594.22207	(00122909)	600583.56	4134661.40	580.78027
(00122909)						
600588.31	4134655.70	565.88561	(00122909)	600593.06	4134650.01	549.21789
(00122909)						
600597.81	4134644.31	532.83212	(00122909)	600602.56	4134638.62	516.65635
(00122909)						
600607.31	4134632.92	499.00946	(00122909)	600612.06	4134627.23	479.17971
(00122909)						
600616.81	4134621.54	457.81797	(00122909)	600621.56	4134615.84	434.98993
(00122909)						
600626.31	4134610.15	412.31120	(00122909)	600631.06	4134604.45	389.32443
(00122909)						
600635.81	4134598.76	365.41958	(00122909)	600640.56	4134593.06	343.07822
(99010917)						
600645.31	4134587.37	337.17229	(99010917)	600650.06	4134581.67	331.06536
(99010917)						
600654.81	4134575.98	324.68888	(99010917)	600659.56	4134570.29	317.78775
(99010917)						
600664.31	4134564.59	309.73352	(99010917)	600669.06	4134558.90	300.53735
(99010917)						
600673.81	4134553.20	290.75181	(99010917)	600678.56	4134547.51	280.35969
(99010917)						
600683.31	4134541.81	280.14834	(99010309)	600688.06	4134536.12	286.68477
(99010309)						
600692.81	4134530.42	292.59426	(99010309)	600697.56	4134524.73	297.76841
(99010309)						
600702.31	4134519.04	302.59215	(99010309)	600707.06	4134513.34	306.97085
(99010309)						
600711.81	4134507.65	310.90109	(99010309)	600716.56	4134501.95	314.52753
(99010309)						
600721.31	4134496.26	317.56253	(99010309)	600579.54	4134677.36	594.06865
(00122909)						
600584.29	4134671.67	580.85223	(00122909)	600589.04	4134665.97	566.42040
(00122909)						
600593.79	4134660.28	550.53417	(00122909)	600598.54	4134654.58	533.56254
(00122909)						
600603.29	4134648.89	515.76570	(00122909)	600608.04	4134643.19	497.83601
(00122909)						

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600612.79 (00122909)	4134637.50	479.19769 (00122909)	(00122909)	600617.54	4134631.81	458.86958
600622.29 (00122909)	4134626.11	436.88353 (00122909)	(00122909)	600627.04	4134620.42	415.19968
600631.79 (00122909)	4134614.72	392.96745 (00122909)	(00122909)	600636.54	4134609.03	369.82795
600641.29 (99010917)	4134603.33	347.11441 (99010917)	(99010917)	600646.04	4134597.64	341.78095
600650.79 (99010917)	4134591.94	335.60834 (99010917)	(99010917)	600655.54	4134586.25	328.82816
600660.29 (99010917)	4134580.56	322.53952 (99010917)	(99010917)	600665.04	4134574.86	315.32285
600669.79 (99010917)	4134569.17	306.96810 (99010917)	(99010917)	600674.54	4134563.47	297.49307
600679.29 (99010917)	4134557.78	286.93059 (99010917)	(99010917)	600684.04	4134552.08	276.13838
600688.79 (99010309)	4134546.39	273.43917 (99010309)	(99010309)	600693.54	4134540.69	280.27010
600698.29 (99010309)	4134535.00	286.42703 (99010309)	(99010309)	600703.04	4134529.31	291.79781
600707.79 (99010309)	4134523.61	296.74329 (99010309)	(99010309)	600712.54	4134517.92	301.34625
600717.29 (99010309)	4134512.22	305.67250 (99010309)	(99010309)	600722.04	4134506.53	309.48711
600726.79 (99010309)	4134500.83	312.73102 (99010309)	(99010309)	600731.54	4134495.14	315.46563
600736.29 (99011509)	4134489.44	323.11229 (99011509)	(99011509)	600741.04	4134483.75	333.25330
600745.79 (00122909)	4134478.06	342.98114 (99011509)	(99011509)	600580.53	4134696.35	604.33384
600570.05 (00122909)	4134704.64	632.70686 (00122909)	(00122909)	600559.58	4134712.93	656.16081
600590.51 (00122909)	4134686.51	572.24458 (00122909)	(00122909)	600595.26	4134680.82	554.56366
600600.01 (00122909)	4134675.12	536.09835 (00122909)	(00122909)	600604.76	4134669.43	518.64607
600609.51 (00122909)	4134663.73	500.35198 (00122909)	(00122909)	600614.26	4134658.04	481.38546
600619.01 (00122909)	4134652.34	461.47169 (00122909)	(00122909)	600623.76	4134646.65	441.31059
600628.51 (00122909)	4134640.96	421.01707 (00122909)	(00122909)	600633.26	4134635.26	400.01499
600638.01 (00120917)	4134629.57	378.08759 (00122909)	(00122909)	600642.76	4134623.87	355.64826
600647.51 (99010917)	4134618.18	350.56963 (99010917)	(99010917)	600652.26	4134612.48	345.73777
600657.01 (99010917)	4134606.79	340.03994 (99010917)	(99010917)	600661.76	4134601.09	333.70352
600666.51	4134595.40	326.69959 (99010917)	(99010917)	600671.26	4134589.71	319.01091

(99010917)							
600676.01	4134584.01	310.61296	(99010917)	600680.76	4134578.32	301.51441	
(99010917)							
600685.51	4134572.62	291.85004	(99010917)	600690.26	4134566.93	281.47220	
(99010917)							
600695.01	4134561.23	277.62735	(00011709)	600699.76	4134555.54	277.58223	
(00011709)							
600704.51	4134549.84	277.85938	(00011709)	600709.26	4134544.15	277.65219	
(00011709)							
600714.01	4134538.46	279.68538	(99010309)	600718.76	4134532.76	285.20287	
(99010309)							
600723.51	4134527.07	290.20658	(99010309)	600728.26	4134521.37	294.91713	
(99010309)							
600733.01	4134515.68	299.16709	(99010309)	600737.76	4134509.98	302.76332	
(99010309)							
600742.51	4134504.29	305.74901	(99010309)	600747.26	4134498.59	308.50339	
(99010309)							
600752.01	4134492.90	317.26659	(99011509)	600756.76	4134487.21	328.06724	
(99011509)							
600591.58	4134705.44	583.39622	(00122909)	600581.27	4134713.60	615.36890	
(00122909)							
600570.96	4134721.76	645.46066	(00122909)	600601.48	4134695.66	546.07194	
(00122909)							
600606.23	4134689.97	526.48463	(00122909)	600610.98	4134684.27	506.05216	
(00122909)							
600615.73	4134678.58	485.12375	(00122909)	600620.48	4134672.88	464.86782	
(00122909)							
600625.23	4134667.19	445.72650	(00122909)	600629.98	4134661.50	426.50161	
(00122909)							
600634.73	4134655.80	406.60361	(00122909)	600639.48	4134650.11	385.87409	
(00122909)							

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600644.23	4134644.41	368.00051 (00120917)	600648.98	4134638.72	358.52070
(99010917)					
600653.73	4134633.02	354.90763 (99010917)	600658.48	4134627.33	349.96720
(99010917)					
600663.23	4134621.63	344.35276 (99010917)	600667.98	4134615.94	338.10278
(99010917)					
600672.73	4134610.25	331.18350 (99010917)	600677.48	4134604.55	323.58771
(99010917)					
600682.23	4134598.86	315.32237 (99010917)	600686.98	4134593.16	307.13822
(99010917)					
600691.73	4134587.47	298.24813 (99010917)	600696.48	4134581.77	288.44677
(99010917)					
600701.23	4134576.08	283.70808 (00011709)	600705.98	4134570.38	283.76941
(00011709)					

600710.73 (00011709)	4134564.69	283.38158	(00011709)	600715.48	4134559.00	282.78110
600720.23 (00011709)	4134553.30	282.35033	(00011709)	600724.98	4134547.61	281.82257
600729.73 (00011709)	4134541.91	280.76007	(00011709)	600734.48	4134536.22	278.89189
600739.23 (99010309)	4134530.52	283.90110	(99010309)	600743.98	4134524.83	288.51019
600748.73 (99010309)	4134519.13	292.81912	(99010309)	600753.48	4134513.44	296.61760
600758.23 (99010309)	4134507.75	299.80010	(99010309)	600762.98	4134502.05	302.32094
600767.73 (00122909)	4134496.36	311.18105	(99011509)	600601.98	4134715.04	559.53476
600596.25 (00122909)	4134719.57	580.84593	(00122909)	600590.52	4134724.11	600.60029
600584.79 (00122909)	4134728.64	619.54683	(00122909)	600579.07	4134733.17	637.70157
600573.34 (00122909)	4134737.71	654.17240	(00122909)	600567.61	4134742.24	666.01744
600607.70 (00122909)	4134710.51	537.36506	(00122909)	600612.45	4134704.81	517.13134
600617.20 (00122909)	4134699.12	496.08504	(00122909)	600621.95	4134693.42	474.54205
600626.70 (00122909)	4134687.73	453.88099	(00122909)	600631.45	4134682.04	433.49953
600636.20 (00122909)	4134676.34	412.83563	(00122909)	600640.95	4134670.65	393.32060
600645.70 (00120917)	4134664.95	379.64915	(00120917)	600650.45	4134659.26	366.79366
600655.20 (99010917)	4134653.56	362.47293	(99010917)	600659.95	4134647.87	358.35524
600664.70 (99010917)	4134642.17	353.57360	(99010917)	600669.45	4134636.48	348.10489
600674.20 (99010917)	4134630.79	341.98723	(99010917)	600678.95	4134625.09	335.19732
600683.70 (99010917)	4134619.40	327.74449	(99010917)	600688.45	4134613.70	320.68150
600693.20 (99010917)	4134608.01	312.91897	(99010917)	600697.95	4134602.31	304.47155
600702.70 (00011709)	4134596.62	295.34475	(99010917)	600707.45	4134590.92	290.21284
600712.20 (00011709)	4134585.23	291.09850	(00011709)	600716.95	4134579.54	290.44285
600721.70 (00011709)	4134573.84	289.58390	(00011709)	600726.45	4134568.15	288.77605
600731.20 (00011709)	4134562.45	287.63274	(00011709)	600735.95	4134556.76	286.17216
600740.70 (00011709)	4134551.06	284.87925	(00011709)	600745.45	4134545.37	282.92738
600750.20 (99010309)	4134539.67	280.00904	(00011709)	600754.95	4134533.98	278.04128
600759.70 (99010309)	4134528.29	282.90082	(99010309)	600764.45	4134522.59	287.13330
600769.20 (99010309)	4134516.90	290.65469	(99010309)	600773.95	4134511.20	293.55707
600778.70 (00122909)	4134505.51	295.70134	(99010309)	600613.07	4134724.09	530.40553
600607.47 (00122909)	4134728.52	552.70195	(00122909)	600601.87	4134732.96	573.94171
600596.27 (00122909)	4134737.39	594.23913	(00122909)	600590.67	4134741.82	611.79645
600585.08 (00122909)	4134746.25	627.70902	(00122909)	600579.48	4134750.69	641.60352

600573.88 4134755.12 653.65121 (00122909) 600618.67 4134719.66 507.66081
 (00122909)

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600623.42	4134713.96	486.15709	(00122909)	600628.17	4134708.27	465.71715
(00122909)						
600632.92	4134702.57	444.78131	(00122909)	600637.67	4134696.88	423.90277
(00122909)						
600642.42	4134691.19	403.16011	(00120917)	600647.17	4134685.49	391.76593
(00120917)						
600651.92	4134679.80	379.55171	(00120917)	600656.67	4134674.10	367.97464
(99010917)						
600661.42	4134668.41	364.92051	(99010917)	600666.17	4134662.71	361.08223
(99010917)						
600670.92	4134657.02	356.55155	(99010917)	600675.67	4134651.32	351.27229
(99010917)						
600680.42	4134645.63	345.33374	(99010917)	600685.17	4134639.94	339.17598
(99010917)						
600689.92	4134634.24	332.99703	(99010917)	600694.67	4134628.55	325.93732
(99010917)						
600699.42	4134622.85	318.41136	(99010917)	600704.17	4134617.16	310.24877
(99010917)						
600708.92	4134611.46	301.38633	(99010917)	600713.67	4134605.77	295.96409
(00011709)						
600718.42	4134600.07	296.57420	(00011709)	600723.17	4134594.38	296.77509
(00011709)						
600727.92	4134588.69	296.54311	(00011709)	600732.67	4134582.99	295.84718
(00011709)						
600737.42	4134577.30	294.65837	(00011709)	600742.17	4134571.60	293.24077
(00011709)						
600746.92	4134565.91	292.03915	(00011709)	600751.67	4134560.21	290.30715
(00011709)						
600756.42	4134554.52	287.87005	(00011709)	600761.17	4134548.82	285.01936
(00011717)						
600765.92	4134543.13	282.83663	(00011717)	600770.67	4134537.44	279.69860
(00011717)						
600775.42	4134531.74	276.84995	(99010309)	600780.17	4134526.05	280.79822
(99010309)						
600784.92	4134520.35	283.95851	(99010309)	600789.67	4134514.66	286.56557
(99010309)						
600624.14	4134733.16	500.12226	(00122909)	600618.65	4134737.51	522.19201
(00122909)						
600613.15	4134741.87	542.93707	(00122909)	600607.65	4134746.22	562.85636
(00122909)						
600602.15	4134750.57	581.92572	(00122909)	600596.66	4134754.92	599.94875
(00122909)						
600591.16	4134759.27	616.17522	(00122909)	600585.66	4134763.63	630.12009

(00122909)	600580.16	4134767.98	642.97659	(00122909)	600629.64	4134728.81	479.59353
(00122909)	600634.39	4134723.11	459.22384	(00122909)	600639.14	4134717.42	437.78111
(00122909)	600643.89	4134711.73	417.63929	(00120917)	600648.64	4134706.03	404.07453
(00120917)	600653.39	4134700.34	391.87430	(00120917)	600658.14	4134694.64	377.79245
(00120917)	600662.89	4134688.95	370.26030	(99010917)	600667.64	4134683.25	367.32803
(99010917)	600672.39	4134677.56	363.32245	(99010917)	600677.14	4134671.86	358.83717
(99010917)	600681.89	4134666.17	353.83687	(99010917)	600686.64	4134660.48	348.84697
(99010917)	600691.39	4134654.78	343.62066	(99010917)	600696.14	4134649.09	337.69202
(99010917)	600700.89	4134643.39	331.10797	(99010917)	600705.64	4134637.70	323.84513
(99010917)	600710.39	4134632.00	315.69775	(99010917)	600715.14	4134626.31	307.14143
(99010917)	600719.89	4134620.61	301.43286	(00011709)	600724.64	4134614.92	302.50316
(00011709)	600729.39	4134609.23	303.14411	(00011709)	600734.14	4134603.53	303.11050
(00011709)	600738.89	4134597.84	302.79071	(00011709)	600743.64	4134592.14	302.13403
(00011709)	600748.39	4134586.45	301.65987	(00011709)	600753.14	4134580.75	300.83784
(00011709)	600757.89	4134575.06	299.48984	(00011709)	600762.64	4134569.36	297.36544
(00011709)	600767.39	4134563.67	294.14532	(00011709)	600772.14	4134557.98	290.97915
(00011717)	600776.89	4134552.28	288.39989	(00011717)	600781.64	4134546.59	284.69801
(00011717)	600786.39	4134540.89	279.72658	(00011717)	600791.14	4134535.20	273.23729
(00011717)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600795.89	4134529.50	273.81799	(99010309)	600800.64	4134523.81	276.93864
(99010309)						
600635.20	4134742.25	473.63730	(00122909)	600624.37	4134750.82	509.59876
(00122909)						
600618.95	4134755.10	529.60233	(00122909)	600613.54	4134759.39	549.50538
(00122909)						
600608.13	4134763.68	568.58988	(00122909)	600602.71	4134767.96	588.23006
(00122909)						

600591.88 (00122909)	4134776.54	627.28632 (00122909)	600640.61	4134737.96	454.93359
600645.36 (00120917)	4134732.27	439.68111 (00120917)	600650.11	4134726.57	426.89778
600654.86 (00120917)	4134720.88	412.26570 (00120917)	600659.61	4134715.18	395.52590
600664.36 (99010917)	4134709.49	377.79018 (00120917)	600669.11	4134703.79	373.58492
600673.86 (99010917)	4134698.10	371.29536 (99010917)	600678.61	4134692.40	367.89246
600683.36 (99010917)	4134686.71	362.90685 (99010917)	600688.11	4134681.02	357.94894
600692.86 (99010917)	4134675.32	352.75765 (99010917)	600697.61	4134669.63	347.59204
600702.36 (99010917)	4134663.93	341.95623 (99010917)	600707.11	4134658.24	335.65703
600711.86 (99010917)	4134652.54	328.66986 (99010917)	600716.61	4134646.85	321.06227
600721.36 (00011709)	4134641.15	312.79742 (99010917)	600726.11	4134635.46	306.76887
600730.86 (00011709)	4134629.77	308.14090 (00011709)	600735.61	4134624.07	309.52686
600740.36 (00011709)	4134618.38	310.92313 (00011709)	600745.11	4134612.68	311.30562
600749.86 (00011709)	4134606.99	311.09101 (00011709)	600754.61	4134601.29	310.69680
600759.36 (00011709)	4134595.60	310.03409 (00011709)	600764.11	4134589.90	308.96232
600768.86 (00011709)	4134584.21	307.27922 (00011709)	600773.61	4134578.52	304.72721
600778.36 (00011717)	4134572.82	300.68681 (00011717)	600783.11	4134567.13	298.00845
600787.86 (00011717)	4134561.43	294.72352 (00011717)	600792.61	4134555.74	290.93211
600797.36 (00011717)	4134550.04	285.67032 (00011717)	600802.11	4134544.35	278.89920
600806.86 (99010309)	4134538.65	270.40858 (00011717)	600811.61	4134532.96	266.83151
600646.24 (00122909)	4134751.34	452.06988 (00120917)	600635.55	4134759.80	482.19739
600624.86 (00122909)	4134768.27	519.53466 (00122909)	600614.17	4134776.73	570.53218
600603.48 (00120917)	4134785.19	612.86319 (00122909)	600656.33	4134741.42	434.20353
600661.08 (00120917)	4134735.72	421.31194 (00120917)	600665.83	4134730.03	403.74964
600670.58 (99010917)	4134724.33	385.20741 (99010917)	600675.33	4134718.64	382.14192
600680.08 (99010917)	4134712.94	378.24125 (99010917)	600684.83	4134707.25	373.78887
600689.58 (99010917)	4134701.55	369.65726 (99010917)	600694.33	4134695.86	364.96768
600699.08 (99010917)	4134690.17	359.54357 (99010917)	600703.83	4134684.47	353.38584
600708.58 (99010917)	4134678.78	346.51287 (99010917)	600713.33	4134673.08	339.74373
600718.08 (99010917)	4134667.39	333.07454 (99010917)	600722.83	4134661.69	325.75933
600727.58 (00011709)	4134656.00	317.83271 (99010917)	600732.33	4134650.30	312.18632
600737.08 (00011709)	4134644.61	313.66402 (00011709)	600741.83	4134638.92	314.92418
600746.58 (00011709)	4134633.22	315.91985 (00011709)	600751.33	4134627.53	317.14738

600756.08 (00011709)	4134621.83	318.86911	(00011709)	600760.83	4134616.14	320.51478
600765.58 (00011709)	4134610.44	319.95201	(00011709)	600770.33	4134604.75	319.06872
600775.08 (00011709)	4134599.05	317.42203	(00011709)	600779.83	4134593.36	314.06325
600784.58 (00011717)	4134587.67	309.87285	(00011709)	600789.33	4134581.97	306.56506

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600794.08 (00011717)	4134576.28	303.75254 (00011717)	600798.83	4134570.58	300.36179
600803.58 (00011717)	4134564.89	296.75661 (00011717)	600808.33	4134559.19	291.40654
600813.08 (00011717)	4134553.50	284.31955 (00011717)	600817.83	4134547.80	275.54328
600822.58 (00120917)	4134542.11	265.76347 (00011717)	600666.16	4134768.34	435.05961
600660.58 (00120917)	4134772.76	452.64820 (00120917)	600655.00	4134777.18	470.11196
600649.41 (00122909)	4134781.60	484.14054 (00120917)	600643.83	4134786.02	494.90271
600638.25 (00122909)	4134790.44	517.29236 (00122909)	600632.67	4134794.85	539.23999
600627.09 (00122909)	4134799.27	560.56749 (00122909)	600621.51	4134803.69	581.09585
600615.93 (00122909)	4134808.11	600.89569 (00122909)	600610.34	4134812.53	613.57320
600604.76 (00120917)	4134816.95	621.45350 (00122909)	600671.74	4134763.93	419.55716
600676.49 (99010917)	4134758.23	405.16867 (00120917)	600681.24	4134752.54	392.11428
600685.99 (99010917)	4134746.84	393.95362 (99010917)	600690.74	4134741.15	394.87473
600695.49 (99010917)	4134735.45	393.10206 (99010917)	600700.24	4134729.76	389.08428
600704.99 (99010917)	4134724.06	383.18866 (99010917)	600709.74	4134718.37	376.47936
600714.49 (99010917)	4134712.68	368.74706 (99010917)	600719.24	4134706.98	359.46778
600723.99 (99010917)	4134701.29	351.41153 (99010917)	600728.74	4134695.59	343.57460
600733.49 (99010917)	4134689.90	335.63448 (99010917)	600738.24	4134684.20	327.64185
600742.99 (00011709)	4134678.51	321.21559 (00011709)	600747.74	4134672.81	321.59301
600752.49	4134667.12	321.92413 (00011709)	600757.24	4134661.43	322.21860

(00011709)							
600761.99	4134655.73	322.46809	(00011709)	600766.74	4134650.04	322.67114	
(00011709)							
600771.49	4134644.34	323.32781	(00011709)	600776.24	4134638.65	324.96694	
(00011709)							
600780.99	4134632.95	326.18699	(00011709)	600785.74	4134627.26	327.45812	
(00011709)							
600790.49	4134621.56	328.34677	(00011709)	600795.24	4134615.87	328.34014	
(00011709)							
600799.99	4134610.18	324.17473	(00011709)	600804.74	4134604.48	319.48182	
(00011717)							
600809.49	4134598.79	315.53196	(00011717)	600814.24	4134593.09	311.23891	
(00011717)							
600818.99	4134587.40	306.75308	(00011717)	600823.74	4134581.70	302.40488	
(00011717)							
600828.49	4134576.01	297.09620	(00011717)	600833.24	4134570.31	290.76208	
(00011717)							
600837.99	4134564.62	283.38771	(00011717)	600842.74	4134558.93	274.95735	
(00011717)							
600686.11	4134785.32	403.92776	(00120917)	600680.33	4134789.90	422.25330	
(00120917)							
600674.55	4134794.48	439.27017	(00120917)	600668.76	4134799.05	454.53182	
(00120917)							
600662.98	4134803.63	469.19081	(00120917)	600657.19	4134808.21	482.07622	
(00120917)							
600651.41	4134812.79	493.57589	(00120917)	600645.63	4134817.37	503.72782	
(00120917)							
600639.84	4134821.95	525.05290	(00122909)	600634.06	4134826.53	546.68678	
(00122909)							
600628.27	4134831.11	567.46908	(00122909)	600622.49	4134835.69	587.28173	
(00122909)							
600616.71	4134840.26	602.64341	(00122909)	600691.90	4134780.74	387.93814	
(99010917)							
600696.65	4134775.05	388.96394	(99010917)	600701.40	4134769.35	389.08930	
(99010917)							
600706.15	4134763.66	388.33283	(99010917)	600710.90	4134757.96	386.65211	
(99010917)							
600715.65	4134752.27	384.11359	(99010917)	600720.40	4134746.57	380.77019	
(99010917)							
600725.15	4134740.88	376.58440	(99010917)	600729.90	4134735.18	371.60897	
(99010917)							
600734.65	4134729.49	365.92384	(99010917)	600739.40	4134723.80	358.58032	
(99010917)							

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
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600744.15	4134718.10	347.98502	(99010917)	600748.90	4134712.41	338.13885
(99010917)						

600753.65 (00011709)	4134706.71	329.17730	(00011709)	600758.40	4134701.02	330.16366
600763.15 (00011709)	4134695.32	330.99634	(00011709)	600767.90	4134689.63	330.84343
600772.65 (00011709)	4134683.93	330.04719	(00011709)	600777.40	4134678.24	328.67353
600782.15 (00011709)	4134672.55	328.63233	(00011709)	600786.90	4134666.85	328.78727
600791.65 (00011709)	4134661.16	328.83836	(00011709)	600796.40	4134655.46	328.73356
600801.15 (00011709)	4134649.77	328.39495	(00011709)	600805.90	4134644.07	328.25254
600810.65 (00011709)	4134638.38	328.15779	(00011709)	600815.40	4134632.68	326.83998
600820.15 (00011717)	4134626.99	324.06622	(00011709)	600824.90	4134621.30	321.40264
600829.65 (00011717)	4134615.60	318.43460	(00011717)	600834.40	4134609.91	315.02617
600839.15 (00011717)	4134604.21	311.59602	(00011717)	600843.90	4134598.52	307.29624
600848.65 (00011717)	4134592.82	302.07318	(00011717)	600853.40	4134587.13	295.89917
600858.15 (00011717)	4134581.43	288.73050	(00011717)	600862.90	4134575.74	280.59770
600706.47 (99010917)	4134801.98	381.02255	(99010917)	600700.88	4134806.40	379.69913
600695.29 (00120917)	4134810.82	396.08158	(00120917)	600689.71	4134815.25	414.01333
600684.12 (00120917)	4134819.67	430.83249	(00120917)	600678.53	4134824.09	446.45491
600672.95 (00120917)	4134828.51	460.80542	(00120917)	600667.36	4134832.94	473.93126
600661.77 (00120917)	4134837.36	485.79078	(00120917)	600656.18	4134841.78	496.43493
600650.60 (00122909)	4134846.21	505.81948	(00120917)	600645.01	4134850.63	517.73183
600639.42 (00122909)	4134855.05	537.72531	(00122909)	600633.84	4134859.48	556.96573
600628.25 (99010917)	4134863.90	575.41592	(00122909)	600712.06	4134797.55	380.86044
600716.81 (99010917)	4134791.86	381.60040	(99010917)	600721.56	4134786.17	380.85376
600726.31 (99010917)	4134780.47	379.29161	(99010917)	600731.06	4134774.78	376.89317
600735.81 (99010917)	4134769.08	373.71115	(99010917)	600740.56	4134763.39	369.71099
600745.31 (99010917)	4134757.69	364.98018	(99010917)	600750.06	4134752.00	359.45563
600754.81 (99010917)	4134746.30	353.28216	(99010917)	600759.56	4134740.61	346.45382
600764.31 (00011709)	4134734.92	339.52027	(00011709)	600769.06	4134729.22	341.29989
600773.81 (00011709)	4134723.53	342.58944	(00011709)	600778.56	4134717.83	343.63406
600783.31 (00011709)	4134712.14	340.98255	(00011709)	600788.06	4134706.44	337.42599
600792.81 (00011709)	4134700.75	335.73957	(00011709)	600797.56	4134695.05	334.60049
600802.31 (00011709)	4134689.36	333.97276	(00011709)	600807.06	4134683.67	333.25614
600811.81 (00011709)	4134677.97	331.64901	(00011709)	600816.56	4134672.28	330.66448
600821.31 (00011709)	4134666.58	329.91350	(00011709)	600826.06	4134660.89	329.50725

600830.81 (00011709)	4134655.19	328.78445	(00011709)	600835.56	4134649.50	327.80362
600840.31 (00011717)	4134643.80	325.30609	(00011709)	600845.06	4134638.11	323.25892
600849.81 (00011717)	4134632.42	321.50155	(00011717)	600854.56	4134626.72	318.96623
600859.31 (00011717)	4134621.03	315.63185	(00011717)	600864.06	4134615.33	311.43463
600868.81 (00011717)	4134609.64	306.36016	(00011717)	600873.56	4134603.94	300.36090
600878.31 (00011717)	4134598.25	293.44156	(00011717)	600883.06	4134592.55	285.60367
600726.46 (99010917)	4134818.92	373.96063	(99010917)	600720.71	4134823.48	373.52534

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
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*** AERMET - VERSION 15181 ***
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**MODELOPTs: RegDFault CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600714.95 (00120917)	4134828.03	372.29383 (99010917)	600709.20	4134832.59	371.67912
600703.45 (00120917)	4134837.14	391.06870 (00120917)	600697.69	4134841.70	409.45474
600691.94 (00120917)	4134846.25	426.69578 (00120917)	600686.18	4134850.81	442.74934
600680.43 (00120917)	4134855.36	456.81680 (00120917)	600674.68	4134859.92	468.85329
600668.92 (00120917)	4134864.47	480.68682 (00120917)	600663.17	4134869.03	491.58621
600657.42 (00120917)	4134873.58	501.59033 (00120917)	600651.66	4134878.14	511.52506
600645.91 (00122909)	4134882.69	524.52053 (00122909)	600640.15	4134887.25	543.66887
600732.21 (99010917)	4134814.37	373.51353 (99010917)	600736.96	4134808.67	372.78241
600741.71 (99010917)	4134802.98	371.23396 (99010917)	600746.46	4134797.29	368.35678
600751.21 (99010917)	4134791.59	365.90022 (99010917)	600755.96	4134785.90	362.08795
600760.71 (99010917)	4134780.20	357.59163 (99010917)	600765.46	4134774.51	352.36658
600770.21 (99010917)	4134768.81	346.50590 (99010917)	600774.96	4134763.12	339.97370
600779.71 (00011709)	4134757.42	340.76327 (00011709)	600784.46	4134751.73	343.44014
600789.21 (00011709)	4134746.04	345.38530 (00011709)	600793.96	4134740.34	346.79525
600798.71 (00011709)	4134734.65	347.84041 (00011709)	600803.46	4134728.95	348.75002
600808.21	4134723.26	347.07717 (00011709)	600812.96	4134717.56	343.66099

(00011709)							
600817.71	4134711.87	340.64622	(00011709)	600822.46	4134706.17	338.54049	
(00011709)							
600827.21	4134700.48	337.21489	(00011709)	600831.96	4134694.79	335.24850	
(00011709)							
600836.71	4134689.09	333.37687	(00011709)	600841.46	4134683.40	331.24549	
(00011709)							
600846.21	4134677.70	328.94915	(00011709)	600850.96	4134672.01	327.89033	
(00011709)							
600855.71	4134666.31	326.67490	(00011709)	600860.46	4134660.62	324.15588	
(00011709)							
600865.21	4134654.92	323.74332	(00011717)	600869.96	4134649.23	323.66522	
(00011717)							
600874.71	4134643.54	322.05636	(00011717)	600879.46	4134637.84	318.86334	
(00011717)							
600884.21	4134632.15	314.83754	(00011717)	600888.96	4134626.45	309.94457	
(00011717)							
600893.71	4134620.76	304.17425	(00011717)	600898.46	4134615.06	297.52008	
(00011717)							
600903.21	4134609.37	289.99179	(00011717)	600760.53	4134452.73	380.92102	
(99011509)							
600756.32	4134459.97	371.09351	(99011509)	600752.11	4134467.20	360.46221	
(99011509)							
600764.13	4134445.11	390.35949	(99011509)	600773.87	4134457.80	376.18926	
(99011509)							
600769.59	4134465.15	365.49901	(99011509)	600765.32	4134472.50	353.73293	
(99011509)							
600761.04	4134479.86	341.31272	(99011509)	600777.51	4134450.13	385.56136	
(99011509)							
600787.42	4134462.53	369.27295	(99011509)	600783.48	4134469.29	359.47300	
(99011509)							
600779.54	4134476.06	348.68238	(99011509)	600775.61	4134482.83	337.02720	
(99011509)							
600771.67	4134489.59	324.44982	(99011509)	600790.89	4134455.14	378.73138	
(99011509)							
600800.76	4134467.61	361.83368	(99011509)	600796.75	4134474.50	351.34947	
(99011509)							
600792.74	4134481.39	339.78575	(99011509)	600788.73	4134488.28	327.35948	
(99011509)							
600784.72	4134495.17	314.05172	(99011509)	600804.26	4134460.16	372.23528	
(99011509)							
600814.10	4134472.68	354.68890	(99011509)	600810.03	4134479.67	343.07268	
(99011509)							
600805.96	4134486.67	330.58712	(99011509)	600801.89	4134493.67	317.32720	
(99011509)							
600797.82	4134500.66	303.62656	(99011509)	600793.74	4134507.66	289.57056	
(99010309)							
600817.64	4134465.18	366.11167	(99011509)	600827.45	4134477.74	346.88688	
(99011509)							

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*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600823.33 (99011509)	4134484.82	334.37902	(99011509)	600819.20	4134491.91	321.07019
600815.08 (99011509)	4134499.00	307.14761	(99011509)	600810.95	4134506.09	293.04129
600806.83 (99011509)	4134513.18	282.02642	(99010309)	600831.01	4134470.19	359.20670
600840.80 (99011509)	4134482.79	338.71893	(99011509)	600836.63	4134489.96	325.29976
600832.46 (99011509)	4134497.13	310.94363	(99011509)	600828.29	4134504.29	296.87338
600824.12 (99010309)	4134511.46	282.15449	(99011509)	600819.95	4134518.63	274.36241
600815.78 (99011509)	4134525.79	271.03539	(99010309)	600844.39	4134475.21	351.79401
600854.16 (99011509)	4134487.84	330.80914	(99011509)	600849.95	4134495.08	316.82640
600845.74 (99011509)	4134502.31	302.03793	(99011509)	600841.53	4134509.55	286.83320
600837.32 (99010309)	4134516.79	271.30893	(99011509)	600833.11	4134524.02	266.74929
600828.90 (99011509)	4134531.26	263.21410	(99010309)	600857.77	4134480.22	344.29419
600878.73 (99011509)	4134497.08	315.14284	(99011509)	600874.49	4134504.36	300.32374
600870.26 (99011509)	4134511.63	284.74778	(99011509)	600866.03	4134518.91	268.25865
600861.79 (99010309)	4134526.18	255.87341	(99010309)	600857.56	4134533.46	253.03864
600853.32 (00011717)	4134540.74	249.38389	(99010309)	600849.09	4134548.01	256.19716
600882.34 (99011509)	4134489.44	329.80183	(99011509)	600903.30	4134506.31	296.93342
600899.04 (99011509)	4134513.62	282.32224	(99011509)	600894.79	4134520.93	267.81295
600890.54 (99010309)	4134528.24	251.88668	(99011509)	600886.29	4134535.55	243.19286
600882.03 (00121917)	4134542.85	242.02796	(00121917)	600877.78	4134550.16	242.84224
600873.53 (00011717)	4134557.47	251.86610	(00011717)	600869.28	4134564.78	264.22905
600906.92 (99011509)	4134498.66	312.09190	(99011509)	600927.87	4134515.54	275.77096
600923.60 (98122517)	4134522.88	259.59254	(99011509)	600919.33	4134530.21	244.54637
600915.06 (00121917)	4134537.55	242.57472	(98122517)	600910.80	4134544.88	241.35038
600906.53 (00121917)	4134552.21	243.86028	(00121917)	600902.26	4134559.55	244.88131
600897.99 (00011717)	4134566.88	245.14837	(00011717)	600893.73	4134574.22	258.01396
600889.46 (99011509)	4134581.55	269.85582	(00011717)	600931.50	4134507.88	292.31161
600952.44 (98122517)	4134524.77	255.49303	(99011509)	600948.16	4134532.13	246.17163
600943.88 (98122517)	4134539.48	243.23363	(98122517)	600939.60	4134546.84	240.05671
600935.32 (00121917)	4134554.20	240.71193	(00121917)	600931.04	4134561.55	243.48639
600926.76 (00121917)	4134568.91	245.02132	(00121917)	600922.48	4134576.27	245.08912

600918.20 (00011717)	4134583.62	251.18838	(00011717)	600913.92	4134590.98	263.54026
600909.63 (99011509)	4134598.33	274.87623	(00011717)	600956.08	4134517.09	272.28712
600781.09 (99011509)	4134434.66	399.89038	(99011509)	600797.50	4134422.93	403.83413
600795.46 (99011509)	4134434.22	398.24322	(99011509)	600793.41	4134445.50	389.17761
600811.83 (99011509)	4134422.72	404.12947	(99011509)	600809.80	4134433.87	398.58180
600807.78 (99011509)	4134445.01	389.56115	(99011509)	600828.14	4134411.52	405.11150
600826.14 (99011509)	4134422.55	404.77661	(99011509)	600824.14	4134433.59	399.80446
600822.14 (99011509)	4134444.62	391.00986	(99011509)	600820.14	4134455.66	378.88826
600842.44 (99011509)	4134411.47	405.84809	(99011509)	600840.45	4134422.42	405.49667
600838.47 (99011509)	4134433.36	400.76390	(99011509)	600836.48	4134444.30	392.13223

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*** 01/05/16

*** AERMET - VERSION 15181 *** **

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600834.50 (99011509)	4134455.25	380.15340 (99011509)	600843.43	4134400.00	400.94234
600856.73 (99011509)	4134411.43	406.71927 (99011509)	600854.76	4134422.30	406.26958
600852.79 (99011509)	4134433.17	401.59873 (99011509)	600850.82	4134444.04	393.01824
600848.85 (99011509)	4134454.91	381.14641 (99011509)	600846.88	4134465.77	366.36544
600857.71 (99011509)	4134400.00	402.09359 (99011509)	600870.94	4134411.85	407.47429
600868.82 (99011509)	4134423.56	406.53788 (99011509)	600866.69	4134435.26	400.71654
600864.57 (99011509)	4134446.96	390.58157 (99011509)	600862.45	4134458.67	376.67939
600860.33 (99011509)	4134470.37	359.91891 (99011509)	600872.00	4134400.00	403.09093
600897.22 (99011509)	4134411.67	408.37817 (99011509)	600895.16	4134423.02	407.28500
600893.11 (99011509)	4134434.37	401.79283 (99011509)	600891.05	4134445.72	393.31722
600888.99 (99011509)	4134457.07	381.46311 (99011509)	600886.93	4134468.42	366.10060
600884.87 (99011509)	4134479.77	347.44271 (99011509)	600898.25	4134400.00	404.49493
600923.50	4134411.54	408.75711 (99011509)	600921.49	4134422.62	407.54451

(99011509)							
600919.48	4134433.71	402.14022	(99011509)	600917.47	4134444.79	394.06655	
(99011509)							
600915.46	4134455.87	383.24903	(99011509)	600913.45	4134466.95	369.39369	
(99011509)							
600911.44	4134478.04	351.12010	(99011509)	600909.43	4134489.12	330.74286	
(99011509)							
600924.50	4134400.00	405.41632	(99011509)	600949.71	4134411.76	408.72348	
(99011509)							
600947.62	4134423.27	406.98213	(99011509)	600945.53	4134434.79	400.84020	
(99011509)							
600943.44	4134446.30	391.24531	(99011509)	600941.35	4134457.82	378.30428	
(99011509)							
600939.27	4134469.33	362.81076	(99011509)	600937.18	4134480.85	344.51693	
(99011509)							
600935.09	4134492.36	323.94002	(99011509)	600950.75	4134400.00	405.90645	
(99011509)							
600975.98	4134411.64	408.27834	(99011509)	600973.93	4134422.91	406.32078	
(99011509)							
600971.89	4134434.18	400.36791	(99011509)	600969.85	4134445.46	390.64734	
(99011509)							
600967.80	4134456.73	377.59583	(99011509)	600965.76	4134468.00	361.66719	
(99011509)							
600963.71	4134479.27	344.88911	(99011509)	600961.67	4134490.55	325.96994	
(99011509)							
600959.62	4134501.82	304.59225	(99011509)	600977.00	4134400.00	405.96821	
(99011509)							
600869.97	4134390.44	395.26811	(99011509)	600893.37	4134377.03	381.40999	
(99011509)							
600895.32	4134386.22	393.03921	(99011509)	600917.58	4134367.37	369.67987	
(99011509)							
600919.55	4134376.69	383.67956	(99011509)	600921.53	4134386.02	394.73749	
(99011509)							
600947.75	4134385.85	396.00321	(99011509)	600749.25	4134234.05	567.54883	
(99122817)							
600743.71	4134229.67	568.92651	(99122817)	600738.18	4134225.28	568.83105	
(99122817)							
600732.64	4134220.90	567.64717	(99122817)	600727.10	4134216.52	565.38044	
(99122817)							
600721.56	4134212.13	561.97219	(99122817)	600716.02	4134207.75	557.19910	
(99122817)							
600710.48	4134203.36	550.58947	(99122817)	600704.94	4134198.98	541.62560	
(99122817)							
600699.41	4134194.59	530.03350	(99122817)	600758.12	4134222.85	571.45379	
(99122817)							
600752.58	4134218.47	572.63953	(99122817)	600747.04	4134214.08	572.29133	
(99122817)							
600741.50	4134209.70	570.61441	(99122817)	600735.97	4134205.31	567.87030	
(99122817)							
600730.43	4134200.93	563.85690	(99122817)	600724.89	4134196.55	558.44039	
(99122817)							
600719.35	4134192.16	550.65759	(99122817)	600713.81	4134187.78	540.80856	
(99122817)							
600708.27	4134183.39	528.14379	(99122817)	600766.99	4134211.65	575.65080	
(99122817)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

A-1684

INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600761.45 (99122817)	4134207.27	576.57721	(99122817)	600755.91	4134202.88	576.01014
600750.37 (99122817)	4134198.50	573.70781	(99122817)	600744.83	4134194.11	569.51901
600739.29 (99122817)	4134189.73	563.91297	(99122817)	600733.76	4134185.34	556.87823
600728.22 (99122817)	4134180.96	547.95873	(99122817)	600722.68	4134176.58	537.35981
600717.14 (99122817)	4134172.19	525.03755	(99122817)	600777.74	4134186.69	582.64952
600772.20 (99122817)	4134182.30	580.91616	(99122817)	600766.66	4134177.92	576.91133
600761.13 (99122817)	4134173.53	571.13367	(99122817)	600755.59	4134169.15	563.62060
600750.05 (99122817)	4134164.76	554.23864	(99122817)	600744.51	4134160.38	543.10335
600738.97 (99122817)	4134155.99	530.58525	(99122817)	600733.43	4134151.61	516.25362
600794.04 (99122817)	4134166.11	586.83374	(99122817)	600788.50	4134161.72	583.49457
600782.96 (99122817)	4134157.34	578.26165	(99122817)	600777.42	4134152.95	571.18774
600771.88 (99122817)	4134148.57	562.34945	(99122817)	600766.34	4134144.18	551.71040
600821.41 (99122817)	4134154.29	590.45990	(99122817)	600815.87	4134149.91	590.82645
600810.33 (99122817)	4134145.52	588.74616	(99122817)	600804.79	4134141.14	584.58072
600799.25 (99122817)	4134136.75	578.15675	(99122817)	600793.71	4134132.37	569.91174
600788.17 (99122817)	4134127.99	559.92560	(99122817)	600782.64	4134123.60	548.25239
600777.10 (99122817)	4134119.22	534.95695	(99122817)	600771.56	4134114.83	520.19724
600766.02 (99122817)	4134110.45	504.12178	(99122817)	600854.31	4134146.87	583.92381
600848.78 (99122817)	4134142.48	589.46438	(99122817)	600843.24	4134138.10	593.05573
600837.70 (99122817)	4134133.71	594.67411	(99122817)	600832.16	4134129.33	593.73590
600826.62 (99122817)	4134124.94	590.01457	(99122817)	600821.08	4134120.56	584.37834
600815.55 (99122817)	4134116.17	576.86770	(99122817)	600810.01	4134111.79	567.57354
600804.47 (99122817)	4134107.40	556.55642	(99122817)	600798.93	4134103.02	543.95619
600793.39 (99122817)	4134098.64	529.88046	(99122817)	600787.85	4134094.25	514.47545
600782.31 (99122817)	4134089.87	497.84084	(99122817)	600689.04	4134187.28	503.49944
600677.86 (99122817)	4134179.88	469.35527	(99122817)	600671.86	4134176.13	449.29354
600665.86 (99122817)	4134172.38	428.28718	(99122817)	600659.86	4134168.63	406.75347

600653.86 (99122817)	4134164.88	384.96682 (99122817)		600647.86 (99122817)	4134161.13	363.52944
600641.86 (99122817)	4134157.38	357.71560 (00011217)		600697.04 (99122817)	4134175.47	497.81115
600691.43 (99122817)	4134171.51	480.28991 (99122817)		600685.43 (99122817)	4134167.76	461.08450
600679.43 (99122817)	4134164.01	440.24055 (99122817)		600673.43 (99122817)	4134160.26	418.66569
600667.43 (99122817)	4134156.51	397.17022 (99122817)		600661.43 (99122817)	4134152.76	375.89233
600655.43 (00011217)	4134149.01	360.48356 (00011217)		600649.43 (99122817)	4134145.26	359.08662
600703.53 (99122817)	4134162.60	486.28453 (99122817)		600693.00 (99122817)	4134155.65	450.84617
600687.00 (99122817)	4134151.90	430.05379 (99122817)		600681.00 (99122817)	4134148.15	408.92681
600675.00 (99122817)	4134144.40	387.88159 (99122817)		600669.00 (99122817)	4134140.65	367.33295
600663.00 (00011217)	4134136.90	361.77863 (00011217)		600657.00 (99122817)	4134133.15	361.45227
600651.00 (99122817)	4134129.40	362.05997 (00011217)		600718.04 (99122817)	4134140.76	470.34250
600706.91 (99122817)	4134133.39	433.30514 (99122817)		600700.91 (99122817)	4134129.64	413.24321
600694.91 (99122817)	4134125.89	393.00523 (99122817)		600688.91 (99122817)	4134122.14	372.73499

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600682.91 (00011217)	4134118.39	369.46164 (00011217)		600676.91 (00011217)	4134114.64	369.32945
600670.91 (00011217)	4134110.89	369.58010 (00011217)		600664.91 (99122817)	4134107.14	370.67160
600745.79 (99122817)	4134096.19	440.12410 (99122817)		600755.91 (99122817)	4134103.32	473.46573
600734.74 (00011217)	4134088.87	402.39479 (99122817)		600728.74 (99122817)	4134085.12	381.66634
600722.74 (00011217)	4134081.37	382.04882 (00011217)		600716.74 (99122817)	4134077.62	382.24980
600710.74 (00011217)	4134073.87	382.47096 (00011217)		600704.74 (99122817)	4134070.12	382.86478
600698.74 (00011217)	4134066.37	383.61590 (00011217)		600692.74 (99122817)	4134062.62	384.81806
600760.18 (99122817)	4134074.26	425.84298 (99122817)		600771.25 (99122817)	4134082.06	463.38584
600748.65 (00011217)	4134066.61	385.36403 (00011217)		600742.65 (99122817)	4134062.86	386.38119
600736.65	4134059.11	387.01847 (00011217)		600730.65	4134055.36	387.45019

(00011217)							
600724.65	4134051.61	387.87833	(00011217)	600718.65	4134047.86	388.46359	
(00011217)							
600712.65	4134044.11	389.20370	(00011217)	600706.65	4134040.36	389.80623	
(00011217)							
600641.60	4134120.86	365.89011	(00011217)	600657.67	4134100.10	373.31944	
(00011217)							
600684.64	4134054.59	387.24970	(00011217)	600700.71	4134033.83	389.68769	
(00011217)							
600773.98	4134438.26	398.58167	(99011509)	600592.69	4134142.61	378.35847	
(98121709)							
600582.69	4134135.41	411.94842	(98121709)	600596.87	4134136.82	373.56683	
(00011217)							
600586.87	4134129.62	397.10611	(98121709)	600601.04	4134131.02	373.28493	
(00011217)							
600591.04	4134123.82	384.13714	(98121709)	600605.22	4134125.22	372.85793	
(00011217)							
600595.22	4134118.02	372.75636	(98121709)	600609.39	4134119.43	372.13699	
(00011217)							
600599.39	4134112.23	368.70850	(99123017)	600613.56	4134113.63	371.28836	
(00011217)							
600603.56	4134106.43	367.20712	(99123017)	600622.74	4134111.43	373.66792	
(00011217)							
600612.74	4134104.23	358.93741	(00011217)	600602.74	4134097.03	371.34737	
(99123017)							
600661.93	4134161.89	396.58420	(99122817)	600626.91	4134105.64	373.72810	
(00011217)							
600616.91	4134098.44	358.34625	(00011217)	600606.91	4134091.24	370.19359	
(99123017)							
600663.03	4134144.54	362.44370	(99122817)	600631.08	4134099.84	374.55948	
(00011217)							
600621.08	4134092.64	358.10017	(00011217)	600611.08	4134085.44	369.12474	
(99123017)							
600650.21	4134112.82	369.18286	(00011217)	600656.84	4134122.94	364.71534	
(00011217)							
600625.26	4134086.84	358.24404	(00011217)	600615.26	4134079.64	368.50973	
(99123017)							
600654.25	4134106.83	371.95306	(00011217)	600660.80	4134116.82	367.05138	
(00011217)							
600667.35	4134126.81	364.80791	(00011217)	600682.81	4134157.68	433.59616	
(99122817)							
600678.27	4134187.20	484.00561	(99122817)	600629.43	4134081.05	358.40799	
(00011217)							
600619.43	4134073.85	368.06195	(99123017)	600665.61	4134099.82	372.47257	
(00011217)							
600684.85	4134129.18	378.10227	(99122817)	600691.27	4134138.96	411.63732	
(99122817)							
600690.57	4134195.01	517.75628	(99122817)	600637.78	4134069.45	358.58374	
(00011217)							
600627.78	4134062.25	367.58232	(99123017)	600677.96	4134094.35	374.56186	
(00011217)							
600684.70	4134104.62	372.81708	(00011217)	600691.44	4134114.90	371.65353	
(00011217)							
600708.28	4134140.58	450.62678	(99122817)	600710.71	4134151.79	478.31212	
(99122817)							
600707.91	4134170.00	507.75156	(99122817)	600702.30	4134206.43	544.64098	
(99122817)							
600702.49	4134107.43	374.83322	(00011217)	600709.09	4134117.50	406.34024	
(99122817)							
600715.70	4134127.58	440.05481	(99122817)	600724.69	4134148.64	497.25166	
(99122817)							

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600722.86 (00011217)	4134160.54	514.82024	(99122817)	600654.47	4134046.27	359.52831
600644.47 (00011217)	4134039.07	367.04108	(99123017)	600697.32	4134075.22	381.24260
600733.07 (99122817)	4134129.74	478.34120	(99122817)	600738.66	4134145.51	514.92836
600735.96 (99122817)	4134163.09	536.22333	(99122817)	600734.16	4134174.81	547.60110
600731.45 (00011217)	4134192.38	560.23659	(99122817)	600667.82	4134038.27	372.55863
600657.82 (00011217)	4134031.07	361.48931	(99123017)	600689.53	4134039.02	387.86809
600696.27 (00011217)	4134049.29	388.23507	(00011217)	600703.01	4134059.57	385.43194
600723.21 (99122817)	4134090.39	380.72205	(99122817)	600752.59	4134142.70	531.79680
600750.72 (99122817)	4134154.84	544.52394	(99122817)	600747.92	4134173.05	559.40003
600746.05 (00011217)	4134185.20	566.12523	(99122817)	600671.17	4134023.08	360.83204
600661.17 (00011217)	4134015.88	367.03378	(99123017)	600697.83	4134027.35	388.36957
600717.73 (00011217)	4134057.70	386.31771	(00011217)	600724.37	4134067.82	384.73772
600731.00 (99122817)	4134077.94	383.19794	(00011217)	600747.58	4134103.24	457.25277
600754.22 (99122817)	4134113.36	488.26409	(99122817)	600764.73	4134151.53	557.52179
600762.89 (99122817)	4134163.49	566.03069	(99122817)	600760.13	4134181.43	574.24385
600758.29 (99122817)	4134193.39	576.74515	(99122817)	600755.53	4134211.33	574.63763
600679.51 (99123017)	4134011.49	360.52934	(00011217)	600669.51	4134004.29	367.12910
600706.14 (00011217)	4134015.69	390.40364	(00011217)	600712.68	4134025.68	392.76751
600719.23 (00011217)	4134035.67	391.05483	(00011217)	600742.15	4134070.63	384.79131
600748.70 (99122817)	4134080.62	414.86394	(99122817)	600755.25	4134090.61	448.27372
600776.00 (99122817)	4134165.98	577.83423	(99122817)	600771.46	4134195.49	581.24972
600687.86 (99123017)	4133999.89	361.23939	(00011217)	600677.86	4133992.69	367.25281
600721.49 (00011217)	4133994.41	388.63128	(00011217)	600728.08	4134004.46	392.69149
600734.66 (00011217)	4134014.50	394.55343	(00011217)	600741.25	4134024.55	393.47849

600747.83 (00011217)	4134034.59	391.72682	(00011217)	600754.42	4134044.64	389.70050
600761.00 (99122817)	4134054.68	386.88190	(00011217)	600767.59	4134064.72	421.64441
600774.17 (99122817)	4134074.77	455.15531	(99122817)	600797.22	4134109.93	550.44301
600803.81 (99122817)	4134119.97	568.94028	(99122817)	600806.18	4134130.93	579.75942
600703.20 (99123017)	4133978.59	361.45575	(00011217)	600693.20	4133971.39	367.34166
600736.84 (00011217)	4133973.13	388.14793	(00011217)	600743.46	4133983.22	390.57476
600750.07 (00011217)	4133993.31	391.99300	(00011217)	600756.69	4134003.40	393.25985
600763.30 (00011217)	4134013.49	394.27007	(00011217)	600769.92	4134023.58	392.78287
600776.53 (99122817)	4134033.67	389.12540	(00011217)	600783.14	4134043.76	410.09857
600789.76 (99122817)	4134053.84	445.06394	(99122817)	600796.37	4134063.93	477.35850
600802.99 (99122817)	4134074.02	506.85211	(99122817)	600809.60	4134084.11	533.13400
600816.21 (99122817)	4134094.20	555.61768	(99122817)	600822.83	4134104.29	573.62573
600829.44 (99122817)	4134114.38	586.56217	(99122817)	600830.00	4134137.31	594.20311
600828.16 (99123017)	4134149.23	591.40123	(99122817)	600708.54	4133950.09	367.12733
600752.19 (00011217)	4133951.85	389.07964	(00011217)	600758.83	4133961.97	392.47885
600765.47 (00011217)	4133972.10	392.70086	(00011217)	600772.11	4133982.22	391.45828

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600778.75 (00011217)	4133992.35	390.82277 (00011217)	600785.38	4134002.47	389.24350
600792.02 (99122817)	4134012.60	385.70226 (00011217)	600798.66	4134022.72	394.81148
600805.30 (99122817)	4134032.85	431.49126 (99122817)	600811.94	4134042.98	465.55357
600818.57 (99122817)	4134053.10	496.07731 (99122817)	600825.21	4134063.23	523.98563
600831.85 (99122817)	4134073.35	549.24293 (99122817)	600838.49	4134083.48	568.85047
600845.13 (99122817)	4134093.60	583.60023 (99122817)	600851.76	4134103.73	594.06548
600857.48	4134119.84	595.71598 (99122817)	600855.64	4134131.80	591.98827

(99122817)							
600723.87	4133928.78	366.39377	(99123017)	600767.54	4133930.56	389.64024	
(00011217)							
600774.20	4133940.72	393.70334	(00011217)	600780.86	4133950.87	394.51936	
(00011217)							
600787.52	4133961.03	393.54187	(00011217)	600794.17	4133971.18	391.54251	
(00011217)							
600800.83	4133981.34	388.53512	(00011217)	600807.49	4133991.49	384.19813	
(00011217)							
600814.15	4134001.65	380.17876	(99122817)	600820.80	4134011.80	417.26921	
(99122817)							
600827.46	4134021.96	452.07378	(99122817)	600834.12	4134032.12	483.89690	
(99122817)							
600840.78	4134042.27	512.76008	(99122817)	600847.44	4134052.43	538.55306	
(99122817)							
600854.09	4134062.58	560.21581	(99122817)	600860.75	4134072.74	576.67746	
(99122817)							
600867.41	4134082.89	588.79064	(99122817)	600874.07	4134093.05	595.82513	
(99122817)							
600880.73	4134103.20	595.84482	(99122817)	600883.13	4134114.28	590.42450	
(99122817)							
600881.28	4134126.29	582.91147	(99122817)	600739.21	4133907.48	364.99056	
(99123017)							
600570.85	4134130.11	426.78373	(98121709)	600562.60	4134121.21	409.41845	
(98121709)							
600575.45	4134124.42	414.42942	(98121709)	600561.38	4134114.07	397.20756	
(98121709)							
600573.71	4134117.15	406.06500	(98121709)	600547.81	4134109.11	367.70873	
(98121709)							
600568.64	4134109.04	395.74331	(98121709)	600583.02	4134112.63	392.77365	
(98121709)							
600534.86	4134108.81	337.46736	(98121709)	600541.01	4134105.33	348.67627	
(98121709)							
600547.15	4134101.86	358.31317	(98121709)	600560.14	4134100.09	377.95246	
(98121709)							
600566.99	4134101.79	386.24732	(98121709)	600573.84	4134103.50	389.96618	
(98121709)							
600580.69	4134105.21	388.79008	(98121709)	600587.54	4134106.92	382.64460	
(98121709)							
600507.15	4134130.81	346.28672	(98011017)	600502.50	4134136.59	348.33208	
(98011017)							
600497.86	4134142.38	348.74173	(98011017)	600493.22	4134148.16	347.42011	
(98011017)							
600488.58	4134153.95	344.80053	(98011017)	600483.93	4134159.74	341.35118	
(98011017)							
600479.29	4134165.52	337.48246	(98011017)	600474.65	4134171.31	333.16503	
(98011017)							
600470.00	4134177.09	328.18893	(98011017)	600465.36	4134182.88	322.79043	
(98011017)							
600460.72	4134188.66	317.16541	(98011017)	600456.08	4134194.45	311.05861	
(98011017)							
600451.43	4134200.24	304.47801	(98011017)	600528.63	4134104.71	318.63423	
(98011017)							
600534.56	4134101.36	329.82233	(98121709)	600546.41	4134094.65	349.46091	
(98121709)							
600558.94	4134092.95	368.70236	(98121709)	600572.14	4134096.24	382.36352	
(98121709)							
600585.35	4134099.54	380.24568	(98121709)	600501.58	4134126.34	349.62724	
(98011017)							
600496.93	4134132.12	350.11687	(98011017)	600492.29	4134137.91	348.98195	
(98011017)							
600487.65	4134143.69	346.58383	(98011017)	600483.00	4134149.48	343.29138	
(98011017)							
600478.36	4134155.27	339.45607	(98011017)	600473.72	4134161.05	335.53404	

(98011017)
 600469.08 4134166.84 330.57638 (98011017) 600464.43 4134172.62 324.92488
 (98011017)

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600459.79	4134178.41	319.07082	(98011017)	600455.15	4134184.19	312.85749
(98011017)						
600450.50	4134189.98	306.16164	(98011017)	600445.86	4134195.77	298.92461
(98011017)						
600522.57	4134100.52	328.97157	(98011017)	600534.09	4134094.00	322.31930
(98121709)						
600545.61	4134087.48	341.14815	(98121709)	600557.79	4134085.83	360.08257
(98121709)						
600570.63	4134089.03	374.95192	(98121709)	600583.47	4134092.23	376.54113
(98121709)						
600496.01	4134121.87	351.43573	(98011017)	600491.36	4134127.65	350.50153
(98011017)						
600486.72	4134133.44	348.29111	(98011017)	600482.08	4134139.22	345.14736
(98011017)						
600477.43	4134145.01	341.36031	(98011017)	600472.79	4134150.80	337.27585
(98011017)						
600468.15	4134156.58	332.32316	(98011017)	600463.51	4134162.37	326.90850
(98011017)						
600458.86	4134168.15	320.95731	(98011017)	600454.22	4134173.94	314.61721
(98011017)						
600449.58	4134179.72	307.81553	(98011017)	600444.93	4134185.51	300.51025
(98011017)						
600440.29	4134191.30	292.70843	(98011017)	600512.39	4134098.66	342.93102
(98011017)						
600525.06	4134091.49	325.01667	(98011017)	600537.73	4134084.32	322.24456
(98121709)						
600544.07	4134080.73	332.26131	(98121709)	600564.53	4134080.67	363.17138
(98121709)						
600578.66	4134084.19	372.18196	(98121709)	600592.78	4134087.71	366.00217
(98121709)						
600599.85	4134089.48	370.93465	(99123017)	600490.43	4134117.40	351.97523
(98011017)						
600485.79	4134123.18	349.92223	(98011017)	600481.15	4134128.97	346.90953
(98011017)						
600476.51	4134134.75	343.19295	(98011017)	600471.86	4134140.54	338.97854
(98011017)						
600467.22	4134146.32	334.13138	(98011017)	600462.58	4134152.11	328.71705
(98011017)						
600457.93	4134157.90	322.81563	(98011017)	600453.29	4134163.68	316.30557
(98011017)						
600448.65	4134169.47	309.39743	(98011017)	600444.01	4134175.25	302.06761
(98011017)						

600439.36 (98011017)	4134181.04	294.23186	(98011017)	600434.72	4134186.82	285.87957
600506.44 (98011017)	4134094.40	348.89913	(98011017)	600512.58	4134090.93	342.97499
600518.72 (98011017)	4134087.45	335.03263	(98011017)	600524.87	4134083.97	325.39879
600531.01 (98121709)	4134080.50	314.28860	(98011017)	600537.15	4134077.02	315.19958
600543.30 (98121709)	4134073.54	324.82781	(98121709)	600556.29	4134071.78	345.48141
600563.14 (98121709)	4134073.48	355.63715	(98121709)	600569.99	4134075.19	362.61503
600576.84 (98121709)	4134076.90	366.54946	(98121709)	600583.69	4134078.61	367.18465
600590.54 (99123017)	4134080.32	364.51451	(98121709)	600597.39	4134082.02	364.69537
600604.23 (98011017)	4134083.73	370.94668	(99123017)	600484.86	4134112.93	351.48447
600480.22 (98011017)	4134118.71	348.59504	(98011017)	600475.58	4134124.50	344.94100
600470.93 (98011017)	4134130.28	340.71996	(98011017)	600466.29	4134136.07	335.90611
600461.65 (98011017)	4134141.85	330.56924	(98011017)	600457.01	4134147.64	324.66566
600452.36 (98011017)	4134153.43	318.16611	(98011017)	600447.72	4134159.21	311.11404
600443.08 (98011017)	4134165.00	303.60244	(98011017)	600438.43	4134170.78	295.73416
600433.79 (98011017)	4134176.57	287.35824	(98011017)	600429.15	4134182.35	278.44874
600500.56 (98011017)	4134090.11	353.07443	(98011017)	600512.54	4134083.33	343.24830
600524.52 (98121709)	4134076.55	326.00749	(98011017)	600536.50	4134069.77	308.30333
600555.16 (98121709)	4134064.66	338.08876	(98121709)	600568.51	4134067.99	355.95179
600575.19 (98121709)	4134069.65	360.86841	(98121709)	600588.55	4134072.98	362.02956

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
 *** 01/05/16
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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600595.22 (99123017)	4134074.65	358.26190	(98121709)	600608.58	4134077.98	371.07519
600479.29 (98011017)	4134108.46	350.14433	(98011017)	600474.65	4134114.24	346.61604
600470.01 (98011017)	4134120.03	342.33705	(98011017)	600465.36	4134125.81	337.47273
600460.72	4134131.60	332.22982	(98011017)	600456.08	4134137.38	326.48601

(98011017)							
600451.44	4134143.17	320.04175	(98011017)	600446.79	4134148.96	312.96369	
(98011017)							
600442.15	4134154.74	305.33236	(98011017)	600437.51	4134160.53	297.29771	
(98011017)							
600432.86	4134166.31	288.80817	(98011017)	600428.22	4134172.10	279.88382	
(98011017)							
600423.58	4134177.88	270.48251	(98011017)	600502.36	4134081.46	352.63737	
(98011017)							
600515.26	4134074.16	340.07027	(98011017)	600528.16	4134066.86	319.42875	
(98011017)							
600541.06	4134059.56	309.87687	(98121709)	600554.71	4134057.71	332.06023	
(98121709)							
600561.90	4134059.50	343.11815	(98121709)	600583.47	4134064.88	358.95625	
(98121709)							
600605.05	4134070.26	367.08375	(99123017)	600612.24	4134072.05	371.31126	
(99123017)							
600473.72	4134103.98	348.10141	(98011017)	600469.08	4134109.77	343.89585	
(98011017)							
600464.44	4134115.56	339.01567	(98011017)	600459.79	4134121.34	333.71011	
(98011017)							
600455.15	4134127.13	327.97673	(98011017)	600450.51	4134132.91	321.76281	
(98011017)							
600445.86	4134138.70	314.87187	(98011017)	600441.22	4134144.48	307.10677	
(98011017)							
600436.58	4134150.27	298.91815	(98011017)	600431.94	4134156.06	290.34625	
(98011017)							
600427.29	4134161.84	281.33015	(98011017)	600422.65	4134167.63	271.90492	
(98011017)							
600418.01	4134173.41	262.04262	(98011017)	600484.15	4134076.52	356.95610	
(98011017)							
600490.30	4134073.04	357.75564	(98011017)	600496.44	4134069.57	356.61386	
(98011017)							
600502.58	4134066.09	353.39802	(98011017)	600508.73	4134062.62	348.08516	
(98011017)							
600514.87	4134059.14	340.80258	(98011017)	600521.01	4134055.66	331.72848	
(98011017)							
600527.16	4134052.19	320.88626	(98011017)	600533.30	4134048.71	308.31100	
(98011017)							
600539.44	4134045.23	297.22741	(99122517)	600552.44	4134043.47	318.23641	
(98121709)							
600559.29	4134045.17	329.39965	(98121709)	600566.14	4134046.88	338.58983	
(98121709)							
600572.98	4134048.59	345.36840	(98121709)	600579.83	4134050.30	349.82047	
(98121709)							
600586.68	4134052.01	351.72489	(98121709)	600593.53	4134053.71	351.04572	
(98121709)							
600600.38	4134055.42	348.01196	(98121709)	600607.23	4134057.13	362.32045	
(99123017)							
600614.08	4134058.84	370.55430	(99123017)	600620.93	4134060.55	371.80701	
(99123017)							
600462.58	4134095.04	341.48962	(98011017)	600457.94	4134100.83	336.31251	
(98011017)							
600453.29	4134106.62	330.75873	(98011017)	600448.65	4134112.40	324.43657	
(98011017)							
600444.01	4134118.19	317.61201	(98011017)	600439.37	4134123.97	310.03725	
(98011017)							
600434.72	4134129.76	301.89184	(98011017)	600430.08	4134135.54	293.28764	
(98011017)							
600425.44	4134141.33	284.20066	(98011017)	600420.79	4134147.12	274.67949	
(98011017)							
600416.15	4134152.90	264.79716	(98011017)	600411.51	4134158.69	254.52877	
(98011017)							
600406.87	4134164.47	243.91168	(98011017)	600467.10	4134070.92	350.24941	

(98011017)	600473.48	4134067.31	354.78641	(98011017)	600479.86	4134063.70	357.95713
(98011017)	600486.24	4134060.09	359.48826	(98011017)	600492.62	4134056.48	359.07867
(98011017)	600499.00	4134052.87	356.55726	(98011017)	600505.38	4134049.26	351.83058
(98011017)	600511.76	4134045.65	344.98167	(98011017)	600518.14	4134042.04	336.11435

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFault CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600524.52	4134038.43	325.26727	(98011017)	600530.90	4134034.82	312.47813
(98011017)						
600537.28	4134031.21	297.75235	(98011017)	600550.77	4134029.38	313.18338
(99122517)						
600557.89	4134031.15	320.78273	(99122517)	600565.00	4134032.92	328.07449
(98121709)						
600572.11	4134034.70	335.88362	(98121709)	600579.22	4134036.47	341.49395
(98121709)						
600586.34	4134038.24	344.67548	(98121709)	600593.45	4134040.02	345.32289
(98121709)						
600446.79	4134091.89	326.62835	(98011017)	600442.15	4134097.67	319.80197
(98011017)						
600437.51	4134103.46	312.39228	(98011017)	600432.87	4134109.25	304.38063
(98011017)						
600428.22	4134115.03	295.79564	(98011017)	600423.58	4134120.82	286.77521
(98011017)						
600418.94	4134126.60	277.32844	(98011017)	600414.29	4134132.39	267.46499
(98011017)						
600409.65	4134138.17	257.18863	(98011017)	600405.01	4134143.96	246.54690
(98011017)						
600400.37	4134149.75	235.61494	(98011017)	600395.72	4134155.53	224.42449
(98011017)						
600474.16	4134051.69	357.95089	(98011017)	600480.30	4134048.21	360.46233
(98011017)						
600486.44	4134044.73	361.35895	(98011017)	600492.59	4134041.26	360.45861
(98011017)						
600498.73	4134037.78	357.61326	(98011017)	600504.87	4134034.30	352.80070
(98011017)						
600511.02	4134030.83	346.02818	(98011017)	600517.16	4134027.35	337.38082
(98011017)						
600523.30	4134023.88	326.87380	(98011017)	600529.45	4134020.40	314.45174
(98011017)						
600535.59	4134016.92	300.23573	(98011017)	600548.58	4134015.16	308.75677
(99122517)						
600555.43	4134016.86	317.95856	(99122517)	600617.08	4134032.23	360.44558
(99123017)						

600623.92 (99123017)	4134033.94	370.08777	(99123017)	600630.77	4134035.65	373.64149
600637.62 (98011017)	4134037.36	372.07027	(99123017)	600444.78	4134053.06	333.88122
600451.11 (98011017)	4134049.48	341.49909	(98011017)	600457.45	4134045.89	348.19588
600489.12 (98011017)	4134027.97	362.66081	(98011017)	600495.46	4134024.39	360.36649
600501.80 (98011017)	4134020.80	356.01622	(98011017)	600508.13	4134017.22	349.60549
600514.47 (98011017)	4134013.63	341.15189	(98011017)	600520.80	4134010.05	330.70526
600527.14 (98011017)	4134006.46	318.19501	(98011017)	600533.47	4134002.88	303.69962
600575.12 (98121709)	4134008.10	322.42419	(98121709)	600582.19	4134009.86	328.38419
600589.25 (98121709)	4134011.62	332.26174	(98121709)	600596.31	4134013.38	334.13607
600603.38 (98121709)	4134015.14	333.99802	(98121709)	600610.44	4134016.91	331.80176
600617.50 (99123017)	4134018.67	349.55525	(99123017)	600624.57	4134020.43	363.92214
600631.63 (99123017)	4134022.19	372.14709	(99123017)	600638.69	4134023.95	374.51207
600645.76 (98011017)	4134025.71	372.24059	(99123017)	600424.51	4134074.01	301.09608
600419.87 (98011017)	4134079.79	292.01410	(98011017)	600415.23	4134085.58	282.50304
600410.58 (98011017)	4134091.36	272.59553	(98011017)	600405.94	4134097.15	262.28273
600401.30 (98011017)	4134102.93	251.62895	(98011017)	600396.65	4134108.72	240.65054
600392.01 (98011017)	4134114.51	229.44732	(98011017)	600387.37	4134120.29	218.05540
600382.73 (98011017)	4134126.08	206.51369	(98011017)	600378.08	4134131.86	194.86555
600373.44 (98011017)	4134137.65	183.20139	(98011017)	600433.44	4134044.23	321.84283
600439.59 (98011017)	4134040.76	330.66987	(98011017)	600445.73	4134037.28	338.65866
600451.87 (98011017)	4134033.80	345.77694	(98011017)	600458.02	4134030.33	351.97844
600464.16 (98011017)	4134026.85	357.12908	(98011017)	600470.30	4134023.38	361.09093

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*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
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600501.02	4134005.99	357.11291 (98011017)	600507.16	4134002.52	350.77741
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(98011017)							
600513.31	4133999.04	342.49115	(98011017)	600519.45	4133995.57	332.29988	
(98011017)							
600544.73	4133986.85	296.23462	(99122517)	600551.58	4133988.55	306.84527	
(99122517)							
600558.43	4133990.26	315.25754	(99122517)	600565.28	4133991.97	320.70072	
(99122517)							
600572.13	4133993.68	322.27945	(99122517)	600578.98	4133995.38	319.85734	
(99122517)							
600585.83	4133997.09	323.70515	(98121709)	600592.68	4133998.80	327.31206	
(98121709)							
600599.52	4134000.51	329.16981	(98121709)	600606.37	4134002.22	329.14231	
(98121709)							
600613.22	4134003.92	327.29603	(98121709)	600620.07	4134005.63	342.25732	
(99123017)							
600626.92	4134007.34	358.30497	(99123017)	600633.77	4134009.05	369.06581	
(99123017)							
600640.62	4134010.76	374.43148	(99123017)	600647.47	4134012.46	375.06085	
(99123017)							
600654.32	4134014.17	372.12398	(99123017)	600427.30	4134047.71	312.23124	
(98011017)							
600413.37	4134065.07	284.99227	(98011017)	600408.73	4134070.85	275.04670	
(98011017)							
600404.08	4134076.64	264.70613	(98011017)	600399.44	4134082.42	254.04010	
(98011017)							
600394.80	4134088.21	243.07515	(98011017)	600390.16	4134093.99	231.86825	
(98011017)							
600385.51	4134099.78	220.43559	(98011017)	600380.87	4134105.57	208.88137	
(98011017)							
600376.23	4134111.35	197.24414	(98011017)	600371.58	4134117.14	185.55363	
(98011017)							
600366.94	4134122.92	173.90316	(98011017)	600362.30	4134128.71	164.66287	
(00120709)							
600422.46	4134035.20	308.07038	(98011017)	600428.77	4134031.63	318.46031	
(98011017)							
600435.07	4134028.06	327.99656	(98011017)	600441.38	4134024.50	336.68067	
(98011017)							
600447.68	4134020.93	344.45432	(98011017)	600453.99	4134017.36	351.26636	
(98011017)							
600460.29	4134013.79	356.99511	(98011017)	600466.60	4134010.23	361.51773	
(98011017)							
600472.90	4134006.66	364.64531	(98011017)	600479.21	4134003.09	366.20451	
(98011017)							
600485.51	4133999.52	366.02147	(98011017)	600529.65	4133974.55	309.47791	
(98011017)							
600542.99	4133972.73	290.71317	(99122517)	600550.01	4133974.49	302.34049	
(99122517)							
600557.04	4133976.24	311.80575	(99122517)	600564.07	4133977.99	318.45009	
(99122517)							
600571.10	4133979.75	321.70211	(99122517)	600578.13	4133981.50	321.15459	
(99122517)							
600585.16	4133983.25	316.56548	(99122517)	600592.19	4133985.00	320.92739	
(98121709)							
600599.22	4133986.76	323.68542	(98121709)	600606.25	4133988.51	324.61981	
(98121709)							
600613.28	4133990.26	323.76505	(98121709)	600620.31	4133992.02	327.41670	
(99123017)							
600627.34	4133993.77	347.06650	(99123017)	600634.37	4133995.52	361.89013	
(99123017)							
600641.40	4133997.28	371.38873	(99123017)	600648.43	4133999.03	375.69482	
(99123017)							
600655.46	4134000.78	375.56835	(99123017)	600662.48	4134002.53	372.26952	
(99123017)							
600416.16	4134038.77	296.92400	(98011017)	600402.23	4134056.12	267.07236	

(98011017)							
600397.58	4134061.91	256.37054	(98011017)	600392.94	4134067.70	245.40500	
(98011017)							
600388.30	4134073.48	234.19696	(98011017)	600383.66	4134079.27	222.78442	
(98011017)							
600379.01	4134085.05	211.20637	(98011017)	600374.37	4134090.84	199.55684	
(98011017)							
600369.73	4134096.62	187.87622	(98011017)	600365.08	4134102.41	176.20215	
(98011017)							
600360.44	4134108.20	164.62184	(98011017)	600355.80	4134113.98	155.53861	
(00120709)							
600351.16	4134119.77	150.17765	(00120709)	600411.47	4134026.18	292.25531	
(98011017)							
600417.92	4134022.53	304.11426	(98011017)	600424.37	4134018.88	315.16601	
(98011017)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 01/05/16

*** AERMET - VERSION 15181 ***
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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600430.82 (98011017)	4134015.23	325.37875 (98011017)	600437.27	4134011.58	334.71393
600443.72 (98011017)	4134007.93	343.11670 (98011017)	600450.17	4134004.28	350.50342
600456.62 (98011017)	4134000.63	356.79345 (98011017)	600463.07	4133996.98	361.82533
600469.52 (98011017)	4133993.33	365.45762 (98011017)	600475.97	4133989.68	367.49494
600482.42 (98011017)	4133986.03	367.76356 (98011017)	600488.87	4133982.38	366.14460
600495.32 (98011017)	4133978.73	362.49809 (98011017)	600527.58	4133960.48	312.64025
600541.22 (99122517)	4133958.62	284.64163 (99122517)	600548.41	4133960.41	297.37457
600555.60 (99122517)	4133962.21	308.13964 (99122517)	600562.80	4133964.00	316.27339
600569.99 (99122517)	4133965.79	321.16611 (99122517)	600577.18	4133967.59	322.30074
600584.37 (98121709)	4133969.38	319.37013 (99122517)	600591.56	4133971.17	314.32860
600598.75 (98121709)	4133972.97	317.96454 (98121709)	600605.95	4133974.76	319.83934
600613.14 (98121709)	4133976.55	319.91537 (98121709)	600620.33	4133978.35	318.24063
600627.52 (99123017)	4133980.14	332.98121 (99123017)	600634.71	4133981.93	351.52718
600641.90 (99123017)	4133983.73	365.09983 (99123017)	600649.09	4133985.52	373.36624
600656.29 (99123017)	4133987.31	376.70504 (99123017)	600663.48	4133989.11	375.97722

600670.67 (98011017)	4133990.90	372.41559 (99123017)	600405.01	4134029.83	279.67882
600386.44 (98011017)	4134052.97	236.45696 (98011017)	600381.80	4134058.75	225.05014
600377.16 (98011017)	4134064.54	213.49214 (98011017)	600372.51	4134070.33	201.82979
600367.87 (98011017)	4134076.11	190.14490 (98011017)	600363.23	4134081.90	178.48978
600358.59 (98011017)	4134087.68	166.91413 (98011017)	600353.94	4134093.47	155.45051
600349.30 (00120709)	4134099.25	147.00583 (00120709)	600344.66	4134105.04	141.84827
600340.01 (98011017)	4134110.83	139.48765 (98122817)	600390.89	4134009.81	258.07882
600397.23 (98011017)	4134006.22	271.53883 (98011017)	600403.58	4134002.63	284.49374
600409.92 (98011017)	4133999.04	296.80549 (98011017)	600416.27	4133995.44	308.41663
600422.61 (98011017)	4133991.85	319.26770 (98011017)	600428.96	4133988.26	329.29509
600435.31 (98011017)	4133984.67	338.47060 (98011017)	600441.65	4133981.08	346.69664
600448.00 (98011017)	4133977.49	353.91591 (98011017)	600454.34	4133973.90	360.00315
600460.69 (98011017)	4133970.31	364.84966 (98011017)	600467.03	4133966.72	368.30097
600492.42 (98011017)	4133952.36	365.26243 (98011017)	600498.76	4133948.77	359.74437
600505.11 (98011017)	4133945.18	352.17566 (98011017)	600511.45	4133941.59	342.56133
600517.80 (98011017)	4133938.00	330.89529 (98011017)	600524.14	4133934.41	317.32702
600544.64 (99122517)	4133934.34	285.44880 (99122517)	600551.71	4133936.11	297.81836
600558.79 (99122517)	4133937.87	308.30263 (99122517)	600565.86	4133939.64	316.30725
600572.94 (99122517)	4133941.40	321.27852 (99122517)	600580.01	4133943.17	322.78322
600587.08 (99122517)	4133944.93	320.55435 (99122517)	600594.16	4133946.69	314.57564
600601.23 (98121709)	4133948.46	308.78540 (98121709)	600608.31	4133950.22	311.28791
600615.38 (98121709)	4133951.99	312.25355 (98121709)	600622.46	4133953.75	311.65045
600629.53 (99123017)	4133955.51	309.51122 (98121709)	600636.60	4133957.28	330.64358
600643.68 (99123017)	4133959.04	348.83791 (99123017)	600650.75	4133960.81	362.82698
600657.83 (99123017)	4133962.57	372.14054 (99123017)	600664.90	4133964.33	377.03937

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 *** 01/05/16

*** AERMET - VERSION 15181 *** *** ***
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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **
 A-1698

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600671.98	4133966.10	378.09734	(99123017)	600679.05	4133967.86	376.16346
(99123017)						
600686.12	4133969.63	372.27547	(99123017)	600384.54	4134013.40	244.13048
(98011017)						
600379.90	4134019.18	232.79310	(98011017)	600365.97	4134036.54	198.01554
(98011017)						
600361.33	4134042.33	186.36236	(98011017)	600356.68	4134048.11	174.74727
(98011017)						
600352.04	4134053.90	163.26731	(98011017)	600347.40	4134059.68	151.98292
(98011017)						
600342.76	4134065.47	140.89848	(98011017)	600338.11	4134071.25	133.57641
(00120709)						
600333.47	4134077.04	128.76250	(00120709)	600328.83	4134082.83	123.90839
(00120709)						
600324.18	4134088.61	132.60042	(98122817)	600319.54	4134094.40	143.72867
(98122817)						
600370.33	4133993.42	220.12756	(98011017)	600376.60	4133989.88	234.41936
(98011017)						
600382.86	4133986.33	248.47023	(98011017)	600389.13	4133982.79	262.17122
(98011017)						
600395.39	4133979.24	275.45739	(98011017)	600401.66	4133975.70	288.20802
(98011017)						
600407.92	4133972.16	300.33744	(98011017)	600414.19	4133968.61	311.79670
(98011017)						
600420.45	4133965.07	322.51592	(98011017)	600426.71	4133961.52	332.44059
(98011017)						
600432.98	4133957.98	341.50157	(98011017)	600439.24	4133954.43	349.63103
(98011017)						
600445.51	4133950.89	356.73506	(98011017)	600464.30	4133940.25	370.80105
(98011017)						
600470.57	4133936.71	372.64234	(98011017)	600476.83	4133933.16	372.84516
(98011017)						
600483.10	4133929.62	371.28764	(98011017)	600489.36	4133926.07	367.89710
(98011017)						
600495.63	4133922.53	362.57911	(98011017)	600501.89	4133918.99	355.30656
(98011017)						
600508.16	4133915.44	346.04646	(98011017)	600514.42	4133911.90	334.86519
(98011017)						
600520.69	4133908.35	321.80404	(98011017)	600533.93	4133906.55	289.72617
(98011017)						
600540.92	4133908.29	272.14441	(99122517)	600561.87	4133913.51	307.89042
(99122517)						
600568.85	4133915.26	315.81478	(99122517)	600575.84	4133917.00	320.90374
(99122517)						
600582.82	4133918.74	322.76331	(99122517)	600589.81	4133920.48	321.15612
(99122517)						
600596.79	4133922.22	316.06098	(99122517)	600603.78	4133923.96	307.75276
(99122517)						
600610.76	4133925.71	303.00982	(98121709)	600617.74	4133927.45	304.62049
(98121709)						
600624.73	4133929.19	304.85234	(98121709)	600631.71	4133930.93	303.70007
(98121709)						
600638.70	4133932.67	307.07242	(99123017)	600645.68	4133934.41	328.07461
(99123017)						
600652.66	4133936.15	346.05657	(99123017)	600659.65	4133937.90	360.28307
(99123017)						
600666.63	4133939.64	370.45637	(99123017)	600673.62	4133941.38	376.57126
(99123017)						
600680.60	4133943.12	379.09714	(99123017)	600687.58	4133944.86	378.63109

(99123017)							
600694.57	4133946.60	375.99609	(99123017)	600701.55	4133948.35	371.95384	
(99123017)							
600364.07	4133996.97	205.72472	(98011017)	600359.43	4134002.75	194.09801	
(98011017)							
600345.50	4134020.11	159.66556	(98011017)	600340.85	4134025.90	148.50840	
(98011017)							
600336.21	4134031.68	137.66341	(98011017)	600331.57	4134037.47	127.13079	
(98011017)							
600326.93	4134043.25	121.71324	(00120709)	600322.28	4134049.04	117.23340	
(00120709)							
600317.64	4134054.83	112.73536	(00120709)	600313.00	4134060.61	115.55219	
(98122817)							
600308.35	4134066.40	125.95358	(98122817)	600303.71	4134072.18	136.60561	
(98122817)							
600299.07	4134077.97	147.39959	(98122817)	600350.02	4133976.91	181.72530	
(98011017)							
600356.44	4133973.27	196.39482	(98011017)	600362.86	4133969.64	211.16770	
(98011017)							
600369.28	4133966.00	225.90454	(98011017)	600375.70	4133962.37	240.45809	
(98011017)							

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** **

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600382.13	4133958.74	254.79368	(98011017)	600388.55	4133955.10	268.70923
(98011017)						
600394.97	4133951.47	282.15730	(98011017)	600401.39	4133947.84	295.04156
(98011017)						
600407.81	4133944.20	307.26388	(98011017)	600414.24	4133940.57	318.78464
(98011017)						
600420.66	4133936.94	329.47809	(98011017)	600439.92	4133926.03	355.95860
(98011017)						
600446.35	4133922.40	362.61607	(98011017)	600452.77	4133918.77	367.97599
(98011017)						
600459.19	4133915.13	371.95473	(98011017)	600465.61	4133911.50	374.38049
(98011017)						
600472.03	4133907.87	375.14509	(98011017)	600478.46	4133904.23	374.12955
(98011017)						
600484.88	4133900.60	371.20411	(98011017)	600491.30	4133896.96	366.30315
(98011017)						
600497.72	4133893.33	359.38177	(98011017)	600504.14	4133889.70	350.39811
(98011017)						
600510.57	4133886.06	339.42148	(98011017)	600516.99	4133882.43	326.53354
(98011017)						
600530.57	4133880.58	294.64420	(98011017)	600537.73	4133882.37	275.89703
(98011017)						
600544.89	4133884.15	273.42225	(99122517)	600552.05	4133885.94	286.89230
(99122517)						

600573.53	4133891.29	316.08215	(99122517)	600580.69	4133893.08	320.65750
(99122517)						
600587.85	4133894.86	321.92760	(99122517)	600595.00	4133896.65	320.07377
(99122517)						
600602.16	4133898.43	314.40207	(99122517)	600609.32	4133900.22	305.58648
(99122517)						
600616.48	4133902.01	296.12525	(98121709)	600623.64	4133903.79	297.69908
(98121709)						
600630.80	4133905.58	297.97381	(98121709)	600637.96	4133907.36	296.92595
(98121709)						
600645.12	4133909.15	296.32936	(99123017)	600652.28	4133910.93	318.35177
(99123017)						
600659.44	4133912.72	337.76902	(99123017)	600666.60	4133914.50	353.77402
(99123017)						
600673.76	4133916.29	365.98394	(99123017)	600680.92	4133918.07	374.23191
(99123017)						
600688.08	4133919.86	378.78275	(99123017)	600695.24	4133921.64	380.07069
(99123017)						
600702.40	4133923.43	378.83309	(99123017)	600709.56	4133925.21	375.74633
(99123017)						
600716.72	4133927.00	371.43335	(99123017)	600343.59	4133980.54	167.24275
(98011017)						
600338.95	4133986.32	156.07420	(98011017)	600334.31	4133992.11	145.16178
(98011017)						
600320.38	4134009.47	115.25258	(00120709)	600315.74	4134015.25	111.20047
(00120709)						
600311.09	4134021.04	107.06033	(00120709)	600306.45	4134026.82	102.88602
(00120709)						
600301.81	4134032.61	100.07499	(98122817)	600297.17	4134038.40	109.59630
(98122817)						
600292.52	4134044.18	119.49513	(98122817)	600287.88	4134049.97	129.68983
(98122817)						
600283.24	4134055.75	140.07840	(98122817)	600278.59	4134061.54	150.56265
(98122817)						
600329.47	4133960.52	144.55872	(98011017)	600335.82	4133956.93	158.15530
(98011017)						
600342.16	4133953.34	172.11780	(98011017)	600348.51	4133949.75	186.44968
(98011017)						
600354.86	4133946.15	200.95339	(98011017)	600361.20	4133942.56	215.47565
(98011017)						
600367.55	4133938.97	229.99894	(98011017)	600373.90	4133935.38	244.36963
(98011017)						
600380.24	4133931.79	258.42300	(98011017)	600386.59	4133928.20	272.16068
(98011017)						
600392.94	4133924.61	285.42587	(98011017)	600399.28	4133921.02	298.12042
(98011017)						
600418.32	4133910.24	332.11382	(98011017)	600424.67	4133906.65	341.81061
(98011017)						
600431.02	4133903.06	350.55052	(98011017)	600437.36	4133899.47	358.24271
(98011017)						
600443.71	4133895.88	364.79263	(98011017)	600450.06	4133892.29	370.05780
(98011017)						
600456.40	4133888.70	373.95387	(98011017)	600462.75	4133885.11	376.34611
(98011017)						
600469.10	4133881.51	377.11531	(98011017)	600475.44	4133877.92	376.14522
(98011017)						

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFault CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600481.79	4133874.33	373.35125	(98011017)	600488.14	4133870.74	368.63985
(98011017)						
600494.48	4133867.15	361.99759	(98011017)	600500.83	4133863.56	353.06861
(98011017)						
600507.18	4133859.97	342.15152	(98011017)	600513.52	4133856.38	329.53519
(98011017)						
600526.95	4133854.55	298.80939	(98011017)	600534.02	4133856.31	280.95073
(98011017)						
600541.10	4133858.08	262.02757	(98011017)	600548.17	4133859.84	271.79216
(99122517)						
600555.25	4133861.61	285.26240	(99122517)	600562.32	4133863.37	297.30308
(99122517)						
600569.40	4133865.14	306.23688	(99122517)	600583.55	4133868.67	316.51370
(99122517)						
600590.63	4133870.43	317.30378	(99122517)	600597.70	4133872.19	315.54005
(99122517)						
600604.78	4133873.96	311.03997	(99122517)	600611.85	4133875.72	303.55729
(99122517)						
600618.93	4133877.49	293.51066	(99122517)	600626.00	4133879.25	290.17916
(98121709)						
600633.08	4133881.02	291.11008	(98121709)	600640.15	4133882.78	290.86465
(98121709)						
600647.23	4133884.54	289.40978	(98121709)	600654.31	4133886.31	292.38448
(99123017)						
600661.38	4133888.07	314.05466	(99123017)	600668.46	4133889.84	333.34958
(99123017)						
600675.53	4133891.60	349.68409	(99123017)	600682.61	4133893.37	362.66851
(99123017)						
600689.68	4133895.13	371.87353	(99123017)	600696.76	4133896.90	377.92648
(99123017)						
600703.84	4133898.66	380.43022	(99123017)	600710.91	4133900.42	380.35426
(99123017)						
600717.99	4133902.19	378.30115	(99123017)	600725.06	4133903.95	374.74840
(99123017)						
600732.14	4133905.72	370.19298	(99123017)	600323.12	4133964.11	131.47657
(98011017)						
600318.48	4133969.90	121.46327	(98011017)	600313.84	4133975.68	111.89119
(98011017)						
600299.91	4133993.04	98.03915	(00120709)	600295.26	4133998.82	94.18096
(00120709)						
600290.62	4134004.61	90.29344	(00120709)	600285.98	4134010.40	94.68679
(98122817)						
600281.34	4134016.18	103.75527	(98122817)	600276.69	4134021.97	113.20714
(98122817)						
600272.05	4134027.75	122.95467	(98122817)	600267.41	4134033.54	132.94896
(98122817)						
600262.76	4134039.32	143.07815	(98122817)	600258.12	4134045.11	153.24593
(98122817)						
600448.80	4134210.23	299.98855	(00120709)	600439.21	4134221.05	290.74519
(00120709)						
600441.87	4134210.94	291.45168	(00120709)	600429.54	4134232.17	279.74462
(00120709)						
600432.22	4134221.95	281.20356	(00120709)	600434.91	4134211.73	282.31913

(00120709)	600437.60	4134201.51	286.00853	(98011017)	600419.81	4134243.49	267.28794
(00120709)	600422.52	4134233.19	269.42871	(00120709)	600425.23	4134222.89	271.21833
(00120709)	600427.94	4134212.58	272.66268	(00120709)	600430.65	4134202.28	275.08392
(98011017)	600412.77	4134244.60	256.24966	(00120709)	600415.50	4134234.23	258.70466
(00120709)	600418.23	4134223.85	260.81574	(00120709)	600420.96	4134213.48	262.57816
(00120709)	600423.69	4134203.10	263.95667	(00120709)	600426.42	4134192.73	270.92973
(98011017)	600407.31	4134255.45	248.89195	(00120709)	600405.73	4134245.72	244.83945
(00120709)	600408.47	4134235.29	247.62184	(00120709)	600411.22	4134224.85	250.06757
(00120709)	600413.97	4134214.41	252.14946	(00120709)	600416.71	4134203.98	253.89721
(00120709)	600419.46	4134193.54	258.58698	(98011017)	600398.68	4134246.85	233.11002
(00120709)	600401.44	4134236.35	236.23865	(00120709)	600404.20	4134225.86	239.00846
(00120709)	600406.96	4134215.37	241.41827	(00120709)	600409.73	4134204.88	243.53598
(00120709)	600412.49	4134194.39	245.44760	(98011017)	600415.25	4134183.90	253.84317
(98011017)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600387.38	4134238.52	212.80860	(00120709)	600390.16	4134227.94	216.23927
(00120709)						
600392.95	4134217.36	219.34828	(00120709)	600395.73	4134206.79	222.12243
(00120709)						
600398.51	4134196.21	224.59222	(00120709)	600401.30	4134185.63	226.75514
(00120709)						
600404.08	4134175.05	235.17110	(98011017)	600387.22	4134284.31	215.69368
(00120709)						
600381.18	4134275.10	211.92865	(98122817)	600375.14	4134265.89	214.87722
(98122817)						
600376.11	4134230.07	212.99315	(98122817)	600378.91	4134219.42	207.47288
(98122817)						
600381.71	4134208.77	200.15086	(00120709)	600384.52	4134198.12	203.26296
(00120709)						
600387.32	4134187.48	206.10062	(00120709)	600390.12	4134176.83	208.62062
(00120709)						
600392.92	4134166.18	215.34745	(98011017)	600379.29	4134296.01	211.48530
(00120909)						

600373.22 (98122817)	4134286.75	211.97527 (98122817)	600367.15	4134277.50	215.26491
600361.08 (98122817)	4134268.24	218.30826 (98122817)	600356.41	4134253.63	221.25312
600364.86 (98122817)	4134221.52	215.84146 (98122817)	600367.68	4134210.82	209.98527
600370.50 (98122817)	4134200.11	201.34521 (98122817)	600373.31	4134189.41	189.93136
600376.13 (98122809)	4134178.70	188.25440 (00120709)	600367.20	4134301.37	224.89680
600361.36 (98122817)	4134292.46	215.02530 (98122809)	600355.51	4134283.56	217.00024
600349.67 (98122817)	4134274.65	220.43774 (98122817)	600343.83	4134265.74	224.17828
600342.26 (98122817)	4134256.13	226.21412 (98122817)	600344.97	4134245.83	225.57685
600347.68 (98122817)	4134235.53	224.47193 (98122817)	600353.11	4134214.92	219.28543
600355.82 (00120709)	4134204.62	213.87470 (98122817)	600369.37	4134153.10	176.08257
600359.17 (98122809)	4134312.92	245.18983 (98122809)	600353.28	4134303.95	237.11982
600347.40 (98122817)	4134294.98	228.27812 (98122809)	600341.52	4134286.01	221.48952
600335.63 (98122817)	4134277.04	225.53772 (98122817)	600329.75	4134268.07	229.50346
600328.17 (98122817)	4134258.40	231.57969 (98122817)	600330.90	4134248.02	230.64900
600333.63 (98122817)	4134237.65	229.23109 (98122817)	600336.36	4134227.27	227.37490
600347.28 (98122817)	4134185.77	208.17513 (98122817)	600350.01	4134175.40	197.96840
600352.74 (98122817)	4134165.02	185.68610 (98122817)	600355.47	4134154.65	171.82429
600358.20 (98122809)	4134144.27	160.40376 (00120709)	600351.18	4134324.54	260.92982
600345.26 (98122809)	4134315.51	255.98125 (98122809)	600339.34	4134306.49	248.99304
600333.42 (98122809)	4134297.47	241.28489 (98122809)	600327.50	4134288.44	232.80545
600321.58 (98122817)	4134279.42	230.24686 (98122817)	600315.67	4134270.39	233.14954
600314.08 (98122817)	4134260.66	235.13224 (98122817)	600316.83	4134250.23	235.12180
600330.56 (98122817)	4134198.04	223.98079 (98122817)	600333.30	4134187.61	218.10618
600336.05 (98122817)	4134177.17	210.05791 (98122817)	600338.80	4134166.73	199.84052
600341.54 (98122817)	4134156.30	187.70319 (98122817)	600344.29	4134145.86	174.04403
600347.04 (98122809)	4134135.42	159.37736 (98122817)	600343.23	4134336.21	273.68633
600337.28 (98122809)	4134327.14	270.70422 (98122809)	600331.33	4134318.07	265.62956
600325.38 (98122809)	4134309.00	259.82446 (98122809)	600319.43	4134299.93	253.18169
600313.48 (98122809)	4134290.86	245.01842 (98122809)	600307.53	4134281.79	235.52739
600301.58 (98122817)	4134272.72	235.30515 (98122817)	600308.27	4134231.46	237.37033
600311.03 (98122817)	4134220.97	235.58763 (98122817)	600313.79	4134210.48	233.28893

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*** 01/05/16

*** AERMET - VERSION 15181 *** **

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600322.07	4134179.01	219.88109	(98122817)	600324.83	4134168.52	211.74439
(98122817)						
600327.59	4134158.03	201.53771	(98122817)	600330.35	4134147.54	189.52428
(98122817)						
600333.11	4134137.05	176.07553	(98122817)	600335.87	4134126.56	161.65241
(98122817)						
600326.15	4134353.89	292.52069	(98122809)	600320.21	4134344.83	292.54419
(98122809)						
600314.27	4134335.78	289.74388	(98122809)	600308.33	4134326.73	286.53871
(98122809)						
600302.39	4134317.67	282.63456	(98122809)	600296.45	4134308.62	276.85964
(98122809)						
600290.51	4134299.57	269.32405	(98122809)	600284.58	4134290.51	261.09246
(98122809)						
600274.08	4134267.17	241.58990	(98122817)	600276.83	4134256.70	241.78853
(98122817)						
600279.59	4134246.23	243.11597	(98122817)	600282.34	4134235.76	244.09150
(98122817)						
600285.10	4134225.29	244.41735	(98122817)	600287.85	4134214.81	242.75546
(98122817)						
600290.61	4134204.34	239.86066	(98122817)	600293.36	4134193.87	236.31672
(98122817)						
600301.63	4134162.46	222.15754	(98122817)	600304.39	4134151.99	213.84896
(98122817)						
600307.14	4134141.52	203.73144	(98122817)	600309.90	4134131.05	192.01217
(98122817)						
600312.65	4134120.57	179.01129	(98122817)	600315.41	4134110.10	165.12646
(98122817)						
600312.02	4134376.07	311.35032	(98121617)	600306.09	4134367.03	308.15881
(98121617)						
600300.16	4134357.99	304.84743	(98122809)	600294.23	4134348.95	304.93888
(98122809)						
600288.30	4134339.91	303.89471	(98122809)	600282.37	4134330.87	301.67065
(98122809)						
600276.44	4134321.83	298.24478	(98122809)	600270.51	4134312.79	293.42008
(98122809)						
600258.65	4134294.71	281.12858	(98122809)	600252.72	4134285.67	273.18023
(98122809)						
600248.17	4134271.40	254.26788	(98122809)	600250.92	4134260.94	243.88670
(98122817)						
600253.67	4134250.49	244.93075	(98122817)	600256.42	4134240.03	246.57599
(98122817)						
600259.17	4134229.58	247.80157	(98122817)	600261.92	4134219.12	248.58017
(98122817)						
600264.67	4134208.67	248.61667	(98122817)	600267.43	4134198.21	247.57061
(98122817)						
600270.18	4134187.75	244.32838	(98122817)	600272.93	4134177.30	240.37662

(98122817)	600281.18	4134145.93	223.90922	(98122817)	600283.93	4134135.48	215.52756
(98122817)	600294.94	4134093.65	168.10568	(98122817)	600293.69	4134391.85	329.95311
(98121617)	600287.62	4134382.60	326.03398	(98121617)	600281.56	4134373.35	321.92095
(98121617)	600275.49	4134364.10	318.25335	(98121617)	600269.42	4134354.85	315.04926
(98122809)	600263.35	4134345.60	314.51310	(98122809)	600257.29	4134336.35	312.87723
(98122809)	600239.08	4134308.60	301.28968	(98122809)	600233.02	4134299.35	295.27084
(98122809)	600226.95	4134290.10	288.27627	(98122809)	600222.29	4134275.50	271.43455
(98122809)	600225.11	4134264.80	254.75537	(98122809)	600227.92	4134254.11	243.82313
(98122817)	600230.74	4134243.41	246.66223	(98122817)	600233.55	4134232.71	248.85693
(98122817)	600236.37	4134222.01	250.49160	(98122817)	600239.18	4134211.31	251.58996
(98122817)	600242.00	4134200.62	252.11086	(98122817)	600244.81	4134189.92	250.70644
(98122817)	600247.63	4134179.22	247.57586	(98122817)	600258.89	4134136.43	229.94230
(98122817)	600261.70	4134125.73	222.37443	(98122817)	600264.52	4134115.03	213.19890
(98122817)	600267.33	4134104.33	202.54265	(98122817)	600270.15	4134093.63	190.64786
(98122817)	600272.96	4134082.94	177.80560	(98122817)	600275.78	4134072.24	164.30127
(98122817)	600279.66	4134414.18	344.22783	(98121617)	600273.61	4134404.96	345.22517
(98121617)							

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*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600267.56 (98121617)	4134395.73	342.01747 (98121617)	600261.51	4134386.51	338.25515
600255.46 (98121617)	4134377.29	333.58288 (98121617)	600249.41	4134368.07	330.15431
600243.36 (98122809)	4134358.85	325.94165 (98121617)	600237.31	4134349.63	322.93512
600225.22 (98122809)	4134331.18	319.43781 (98122809)	600219.17	4134321.96	316.17899
600213.12 (98122809)	4134312.74	311.92912 (98122809)	600207.07	4134303.52	306.72412
600201.02 (98122809)	4134294.30	300.14439 (98122809)	600196.38	4134279.74	285.20017

600199.18 (98122809)	4134269.08	270.76090	(98122809)	600201.99	4134258.41	254.85429
600204.80 (98122817)	4134247.75	245.38048	(98120217)	600207.60	4134237.08	246.32608
600210.41 (98122817)	4134226.42	249.34681	(98122817)	600221.64	4134183.76	251.94049
600224.44 (98122817)	4134173.09	249.60991	(98122817)	600227.25	4134162.43	247.10915
600230.06 (98122817)	4134151.76	244.91683	(98122817)	600232.86	4134141.10	241.55330
600238.48 (98122817)	4134119.77	230.70255	(98122817)	600241.28	4134109.10	223.06817
600244.09 (98122817)	4134098.44	213.99023	(98122817)	600246.90	4134087.77	203.56697
600249.70 (98122817)	4134077.11	192.02218	(98122817)	600252.51	4134066.44	179.59323
600255.32 (98122809)	4134055.78	166.55359	(98122817)	600374.52	4134301.25	219.98697
600337.14 (98121617)	4134348.56	283.94029	(98122809)	600323.13	4134366.30	300.49390
600318.45 (98121617)	4134372.22	306.40575	(98121617)	600309.11	4134384.05	317.30875
600304.44 (98121617)	4134389.96	322.95597	(98121617)	600290.42	4134407.70	339.93295
600271.73 (98121617)	4134431.36	343.31359	(98121617)	600267.06	4134437.27	341.73394
600234.35 (99012317)	4134478.67	382.31040	(99012317)	600229.68	4134484.58	388.33770
600225.01 (00010309)	4134490.49	393.77775	(99012317)	600201.64	4134520.06	424.88986
600196.97 (00010309)	4134525.98	435.77664	(00010309)	600192.30	4134531.89	446.17386
600187.63 (00010309)	4134537.80	456.08654	(00010309)	600182.95	4134543.72	465.51375
600336.21 (98122809)	4134338.22	279.14611	(98122809)	600331.54	4134344.14	285.50858
600317.52 (98121617)	4134361.88	299.61913	(98121617)	600303.50	4134379.62	317.23352
600298.83 (98121617)	4134385.53	323.18531	(98121617)	600289.49	4134397.36	335.18929
600284.81 (98121617)	4134403.27	340.30274	(98121617)	600266.12	4134426.93	345.93784
600261.45 (99012317)	4134432.84	344.41241	(98121617)	600242.76	4134456.50	342.84955
600238.09 (99012317)	4134462.41	351.57739	(99012317)	600233.42	4134468.32	358.83299
600228.75 (99012317)	4134474.24	366.06361	(99012317)	600210.06	4134497.89	389.26995
600205.38 (99012317)	4134503.81	396.86254	(99012317)	600200.71	4134509.72	404.06978
600196.04 (99012317)	4134515.64	410.41796	(99012317)	600191.37	4134521.55	416.07739
600330.61 (98122809)	4134333.79	279.55951	(98122809)	600325.93	4134339.71	286.34108
600316.59 (98122809)	4134351.53	296.74168	(98122809)	600311.92	4134357.45	300.05789
600297.90 (98121617)	4134375.19	316.60703	(98121617)	600283.88	4134392.93	334.44492
600279.21 (98121617)	4134398.84	339.76443	(98121617)	600260.52	4134422.50	348.25370
600255.85 (98121617)	4134428.41	347.10052	(98121617)	600251.18	4134434.33	344.67889
600246.50 (98121617)	4134440.24	341.64542	(98121617)	600241.83	4134446.16	336.87058

600237.16	4134452.07	330.09284	(98121617)	600232.49	4134457.98	335.39992
(99012317)						
600227.81	4134463.90	342.89012	(99012317)	600209.12	4134487.55	368.78155
(99012317)						

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 *** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600204.45	4134493.47	374.04495	(99012317)	600199.78	4134499.38	380.32121
(99012317)						
600195.11	4134505.29	387.61600	(99012317)	600176.42	4134528.95	410.09339
(99012317)						
600171.74	4134534.86	410.81195	(99012317)	600395.09	4134240.66	226.17933
(00120709)						
600325.00	4134329.37	279.27620	(98122809)	600310.98	4134347.11	297.75272
(98122809)						
600306.31	4134353.02	301.37233	(98122809)	600296.97	4134364.85	310.35701
(98121617)						
600292.29	4134370.76	316.20103	(98121617)	600278.28	4134388.50	333.76758
(98121617)						
600254.92	4134418.07	350.30997	(98121617)	600250.24	4134423.99	349.52464
(98121617)						
600245.57	4134429.90	347.54480	(98121617)	600240.90	4134435.81	344.27501
(98121617)						
600236.23	4134441.73	340.04270	(98121617)	600231.55	4134447.64	333.48000
(98121617)						
600212.86	4134471.30	341.20915	(99012317)	600208.19	4134477.21	347.67533
(99012317)						
600203.52	4134483.12	353.69689	(99012317)	600198.85	4134489.04	359.03491
(99012317)						
600180.16	4134512.69	385.04472	(99012317)	600175.48	4134518.61	391.24259
(99012317)						
600170.81	4134524.52	396.09772	(99012317)	600166.14	4134530.43	397.74919
(99012317)						
600370.79	4134259.89	216.73791	(98122817)	600324.07	4134319.02	270.28733
(98122809)						
600319.40	4134324.94	278.63274	(98122809)	600305.38	4134342.68	297.93593
(98122809)						
600291.36	4134360.42	309.32528	(98121617)	600286.69	4134366.33	315.47952
(98121617)						
600272.67	4134384.07	332.54158	(98121617)	600249.31	4134413.64	352.09695
(98121617)						
600244.64	4134419.56	351.70610	(98121617)	600225.95	4134443.21	335.53006
(98121617)						
600216.60	4134455.04	318.24811	(98121617)	600211.93	4134460.95	318.74227
(99012317)						
600207.26	4134466.87	325.80441	(99012317)	600202.59	4134472.78	332.43628
(99012317)						
600197.91	4134478.70	337.97605	(99012317)	600179.22	4134502.35	362.70123

(99012317)							
600174.55	4134508.26	369.73337	(99012317)	600169.88	4134514.18	375.76828	
(99012317)							
600165.21	4134520.09	380.88427	(99012317)	600160.54	4134526.01	384.24463	
(99012317)							
600350.24	4134262.86	222.18091	(98122817)	600312.86	4134310.17	268.68464	
(98122809)							
600298.84	4134327.91	292.58273	(98122809)	600294.17	4134333.82	298.54142	
(98122809)							
600280.15	4134351.56	310.73941	(98122809)	600266.14	4134369.30	325.16029	
(98121617)							
600252.12	4134387.05	341.70467	(98121617)	600238.10	4134404.79	354.49100	
(98121617)							
600233.43	4134410.70	355.19657	(98121617)	600228.76	4134416.62	352.96824	
(98121617)							
600224.08	4134422.53	349.34321	(98121617)	600219.41	4134428.44	344.64345	
(98121617)							
600214.74	4134434.36	339.12870	(98121617)	600210.07	4134440.27	332.24180	
(98121617)							
600191.38	4134463.93	300.24783	(99012317)	600186.71	4134469.84	306.23303	
(99012317)							
600182.03	4134475.75	312.61929	(99012317)	600177.36	4134481.67	319.28566	
(99012317)							
600172.69	4134487.58	325.79342	(99012317)	600168.02	4134493.49	333.30742	
(99012317)							
600163.34	4134499.41	340.66318	(99012317)	600158.67	4134505.32	347.29050	
(99012317)							
600154.00	4134511.24	352.47341	(99012317)	600149.33	4134517.15	356.55451	
(99012317)							
600315.67	4134283.57	233.39744	(98122809)	600306.32	4134295.40	255.05082	
(98122809)							
600301.65	4134301.31	265.24409	(98122809)	600287.63	4134319.05	291.89778	
(98122809)							
600273.62	4134336.79	307.76467	(98122809)	600259.60	4134354.53	318.01003	
(98122809)							
600254.93	4134360.45	323.13512	(98121617)	600240.91	4134378.19	338.77541	
(98121617)							
600226.89	4134395.93	351.30890	(98121617)	600222.22	4134401.85	352.68988	
(98121617)							

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
 *** 01/05/16
 *** AERMET - VERSION 15181 *** **
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**MODELOPTs: RegDFault CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600217.55	4134407.76	352.07472	(98121617)	600203.53	4134425.50	341.40157
(98121617)						
600194.19	4134437.33	326.81553	(98121617)	600189.51	4134443.24	318.36669
(98121617)						
600184.84	4134449.16	308.91295	(98121617)	600180.17	4134455.07	298.93870
(98121617)						

600175.50 (99012317)	4134460.98	288.30340	(98121617)	600170.82	4134466.90	282.36613
600166.15 (99012317)	4134472.81	290.77082	(99012317)	600161.48	4134478.72	298.94505
600156.81 (99012317)	4134484.64	306.77955	(99012317)	600152.13	4134490.55	314.26015
600147.46 (99012317)	4134496.47	321.33577	(99012317)	600142.79	4134502.38	326.88321
600138.12 (98122809)	4134508.29	331.58973	(99012317)	600299.79	4134280.63	238.21149
600295.11 (98122809)	4134286.54	248.78608	(98122809)	600281.10	4134304.28	279.95876
600267.08 (98122809)	4134322.02	301.76306	(98122809)	600262.41	4134327.94	307.01133
600248.39 (98121617)	4134345.68	318.94804	(98122809)	600234.37	4134363.42	332.00189
600229.70 (98121617)	4134369.33	336.93855	(98121617)	600215.68	4134387.07	348.46467
600211.01 (98121617)	4134392.99	350.20282	(98121617)	600206.34	4134398.90	350.40053
600201.67 (98121617)	4134404.82	349.01825	(98121617)	600196.99	4134410.73	346.38905
600192.32 (98121617)	4134416.64	342.00863	(98121617)	600187.65	4134422.56	336.49521
600182.98 (98121617)	4134428.47	329.47965	(98121617)	600178.30	4134434.39	321.56296
600173.63 (98121617)	4134440.30	313.30036	(98121617)	600168.96	4134446.21	305.75329
600164.29 (98121617)	4134452.13	297.47242	(98121617)	600159.61	4134458.04	288.42349
600154.94 (99012317)	4134463.95	278.71716	(98121617)	600150.27	4134469.87	272.93021
600145.60 (99012317)	4134475.78	280.86526	(99012317)	600140.92	4134481.70	288.75210
600136.25 (99012317)	4134487.61	296.29638	(99012317)	600131.58	4134493.52	303.12381
600126.91 (00120709)	4134499.44	308.83453	(99012317)	600370.82	4134144.64	177.22739
600342.78 (98122817)	4134180.12	207.40057	(98122817)	600300.73	4134233.35	239.92036
600296.06 (98122817)	4134239.26	241.22177	(98122817)	600291.39	4134245.17	241.49775
600286.71 (98122809)	4134251.09	241.37559	(98122817)	600268.02	4134274.74	249.43264
600263.35 (98122809)	4134280.66	261.24058	(98122809)	600249.33	4134298.40	288.57076
600244.66 (98122809)	4134304.31	295.78552	(98122809)	600235.32	4134316.14	308.08955
600230.64 (98122809)	4134322.05	313.21118	(98122809)	600216.63	4134339.79	324.78863
600211.95 (98121617)	4134345.71	327.41914	(98122809)	600207.28	4134351.62	331.61674
600193.26 (98121617)	4134369.36	344.67204	(98121617)	600188.59	4134375.28	348.29620
600183.92 (98121617)	4134381.19	349.91117	(98121617)	600179.25	4134387.10	349.51890
600174.58 (98121617)	4134393.02	348.03024	(98121617)	600169.90	4134398.93	344.94963
600165.23 (98121617)	4134404.85	340.86954	(98121617)	600160.56	4134410.76	336.41218
600155.89 (98121617)	4134416.67	331.50714	(98121617)	600151.21	4134422.59	326.20884
600146.54 (98121617)	4134428.50	320.17783	(98121617)	600141.87	4134434.41	313.58972

600137.20 (98121617)	4134440.33	306.48633	(98121617)	600132.52	4134446.24	298.78497
600127.85 (98121617)	4134452.16	290.90662	(98121617)	600123.18	4134458.07	282.64001
600118.51 (00120709)	4134463.98	274.46200	(98121617)	600359.61	4134135.78	161.70501
600331.57 (98122817)	4134171.26	208.99627	(98122817)	600308.21	4134200.83	233.34867
600303.54 (98122817)	4134206.75	236.27745	(98122817)	600298.87	4134212.66	238.85100

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 ***
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*MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600294.19 (98122817)	4134218.58	241.60340 (98122817)	600270.83	4134248.14	243.90999
600266.16 (98122817)	4134254.06	243.37710 (98122817)	600261.49	4134259.97	243.44616
600256.81 (98122809)	4134265.89	243.66742 (98122817)	600242.80	4134283.63	274.49196
600238.12 (98122809)	4134289.54	283.61568 (98122809)	600224.11	4134307.28	304.87037
600210.09 (98122809)	4134325.02	319.98658 (98122809)	600205.42	4134330.94	323.73614
600200.75 (98122809)	4134336.85	326.08451 (98122809)	600196.07	4134342.76	327.52400
600182.06 (98121617)	4134360.51	339.98307 (98121617)	600177.38	4134366.42	344.44546
600172.71 (98121617)	4134372.33	348.38519 (98121617)	600168.04	4134378.25	349.80566
600163.37 (98121617)	4134384.16	347.99001 (98121617)	600158.69	4134390.08	345.46931
600154.02 (98121617)	4134395.99	342.22588 (98121617)	600149.35	4134401.90	338.44945
600144.68 (98121617)	4134407.82	333.87786 (98121617)	600140.00	4134413.73	330.02089
600135.33 (98121617)	4134419.64	325.41011 (98121617)	600130.66	4134425.56	319.88243
600125.99 (98121617)	4134431.47	313.53100 (98121617)	600121.31	4134437.39	306.33914
600116.64 (98121617)	4134443.30	299.47126 (98121617)	600111.97	4134449.21	292.16443
600107.30 (98121617)	4134455.13	284.50580 (98121617)	600102.62	4134461.04	276.02090
600097.95 (98121617)	4134466.95	266.50134 (98121617)	600093.28	4134472.87	255.99147
600348.40 (98122817)	4134126.93	148.16935 (98122817)	600320.36	4134162.41	210.45052
600315.69	4134168.32	217.48405 (98122817)	600311.02	4134174.24	223.35514

(98122817)							
600282.98	4134209.72	243.35869	(98122817)	600278.31	4134215.63	245.30325	
(98122817)							
600273.64	4134221.55	246.54711	(98122817)	600268.97	4134227.46	246.89109	
(98122817)							
600240.93	4134262.94	244.70774	(98122809)	600236.26	4134268.86	255.94400	
(98122809)							
600231.59	4134274.77	266.61474	(98122809)	600226.92	4134280.68	276.71265	
(98122809)							
600217.57	4134292.51	293.87752	(98122809)	600212.90	4134298.43	300.81186	
(98122809)							
600203.55	4134310.25	312.64155	(98122809)	600198.88	4134316.17	316.35918	
(98122809)							
600194.21	4134322.08	319.63975	(98122809)	600189.54	4134327.99	322.03270	
(98122809)							
600184.86	4134333.91	323.77753	(98122809)	600170.85	4134351.65	333.47377	
(98121617)							
600166.17	4134357.56	338.67143	(98121617)	600161.50	4134363.48	342.60553	
(98121617)							
600156.83	4134369.39	345.23954	(98121617)	600152.16	4134375.30	346.50288	
(98121617)							
600147.48	4134381.22	345.25728	(98121617)	600142.81	4134387.13	342.79514	
(98121617)							
600138.14	4134393.05	340.20600	(98121617)	600133.47	4134398.96	337.17679	
(98121617)							
600128.79	4134404.87	333.63412	(98121617)	600124.12	4134410.79	329.70297	
(98121617)							
600119.45	4134416.70	325.06758	(98121617)	600114.78	4134422.62	319.56244	
(98121617)							
600110.10	4134428.53	313.60070	(98121617)	600105.43	4134434.44	307.41065	
(98121617)							
600100.76	4134440.36	301.11588	(98121617)	600096.09	4134446.27	293.87801	
(98121617)							
600091.42	4134452.18	285.88220	(98121617)	600086.74	4134458.10	276.97798	
(98121617)							
600082.07	4134464.01	267.46993	(98121617)	600332.47	4134104.74	141.07765	
(98122817)							
600327.80	4134110.65	152.68285	(98122817)	600323.13	4134116.57	164.16229	
(98122817)							
600299.77	4134146.13	212.74253	(98122817)	600295.09	4134152.05	219.71943	
(98122817)							
600290.42	4134157.96	225.67272	(98122817)	600262.39	4134193.45	248.54304	
(98122817)							
600257.71	4134199.36	250.08004	(98122817)	600253.04	4134205.27	250.59942	
(98122817)							

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 *** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600248.37 (98122817)	4134211.19	250.77842	(98122817)	600243.70	4134217.10	250.64833
600220.34 (98120217)	4134246.67	245.17226	(98122817)	600215.66	4134252.58	245.06179
600210.99 (98122809)	4134258.50	251.24814	(98122809)	600206.32	4134264.41	261.81812
600187.63 (98122809)	4134288.07	295.27343	(98122809)	600182.96	4134293.98	300.67753
600178.28 (98122809)	4134299.89	305.40151	(98122809)	600173.61	4134305.81	309.64082
600168.94 (98122809)	4134311.72	313.83468	(98122809)	600164.27	4134317.63	317.57445
600150.25 (98121617)	4134335.38	324.85639	(98121617)	600145.58	4134341.29	330.04003
600140.90 (98121617)	4134347.20	334.08833	(98121617)	600136.23	4134353.12	336.70701
600131.56 (98121617)	4134359.03	338.58349	(98121617)	600126.89	4134364.95	339.88135
600122.21 (98121617)	4134370.86	340.16177	(98121617)	600117.54	4134376.77	339.62660
600112.87 (98121617)	4134382.69	338.43367	(98121617)	600108.20	4134388.60	337.09689
600103.53 (98121617)	4134394.51	334.88670	(98121617)	600098.85	4134400.43	331.78650
600094.18 (98121617)	4134406.34	327.85920	(98121617)	600089.51	4134412.26	323.82394
600084.84 (98121617)	4134418.17	319.56870	(98121617)	600080.16	4134424.08	315.44549
600075.49 (98121617)	4134430.00	310.77345	(98121617)	600070.82	4134435.91	305.37150
600066.15 (98121617)	4134441.82	298.26056	(98121617)	600061.47	4134447.74	290.37464
600291.28 (98122817)	4134072.19	149.15190	(98122817)	600286.61	4134078.11	159.97190
600281.93 (98122817)	4134084.02	170.59766	(98122817)	600277.26	4134089.93	180.88515
600253.90 (98122817)	4134119.50	222.76628	(98122817)	600249.23	4134125.42	228.69072
600216.52 (98122817)	4134166.81	248.98206	(98122817)	600211.85	4134172.73	250.72014
600207.18 (98122817)	4134178.64	252.08271	(98122817)	600202.50	4134184.55	253.08024
600197.83 (98122817)	4134190.47	253.70423	(98122817)	600193.16	4134196.38	253.92964
600188.49 (98122817)	4134202.29	252.47111	(98122817)	600183.81	4134208.21	250.52141
600179.14 (98122817)	4134214.12	248.04574	(98122817)	600174.47	4134220.04	244.97086
600169.80 (98120217)	4134225.95	241.49043	(98120217)	600165.12	4134231.86	246.37925
600160.45 (98120217)	4134237.78	250.55401	(98120217)	600155.78	4134243.69	254.07464
600151.11 (98122809)	4134249.61	262.17510	(98122809)	600146.43	4134255.52	270.54425
600141.76 (98122809)	4134261.43	278.38316	(98122809)	600137.09	4134267.35	285.65060
600132.42 (98122809)	4134273.26	292.29618	(98122809)	600127.74	4134279.17	298.34522
600123.07 (98122809)	4134285.09	303.76424	(98122809)	600109.06	4134302.83	315.55613
600104.38 (98122809)	4134308.74	317.39919	(98122809)	600099.71	4134314.66	317.92336
600095.04 (98121617)	4134320.57	318.49766	(98121617)	600090.37	4134326.48	322.41223

600085.69 (98121617)	4134332.40	325.89401	(98121617)	600081.02	4134338.31	329.60117
600076.35 (98121617)	4134344.23	333.39636	(98121617)	600071.68	4134350.14	336.26364
600067.00 (98121617)	4134356.05	338.54815	(98121617)	600062.33	4134361.97	340.07636
600057.66 (98121617)	4134367.88	340.85340	(98121617)	600052.99	4134373.79	340.60744
600048.31 (98121617)	4134379.71	340.74150	(98121617)	600043.64	4134385.62	340.40298
600038.97 (98121617)	4134391.54	339.68318	(98121617)	600034.30	4134397.45	338.37664
600029.62 (98121617)	4134403.36	336.51256	(98121617)	600024.95	4134409.28	332.87483
600020.28 (98122817)	4134415.19	327.15110	(98121617)	600270.68	4134055.92	152.39702

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** **

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YMMDDHH)	Y-COORD (M)	CONC (YMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600266.01 (98122817)	4134061.83	162.84144 (98122817)	600261.34	4134067.75	173.09037
600256.66 (98122817)	4134073.66	183.00883 (98122817)	600233.30	4134103.23	223.64416
600228.63 (98122817)	4134109.14	229.52691 (98122817)	600214.61	4134126.88	242.43429
600209.94 (98122817)	4134132.80	245.30301 (98122817)	600205.27	4134138.71	247.52722
600200.60 (98122817)	4134144.62	249.17910 (98122817)	600195.92	4134150.54	250.30054
600191.25 (98122817)	4134156.45	250.93606 (98122817)	600186.58	4134162.37	251.11849
600181.91 (98122817)	4134168.28	251.24093 (98122817)	600177.23	4134174.19	251.68153
600172.56 (98122817)	4134180.11	251.68553 (98122817)	600167.89	4134186.02	251.20630
600163.22 (98122817)	4134191.94	250.19761 (98122817)	600158.54	4134197.85	248.21674
600153.87 (98122817)	4134203.76	244.82771 (98122817)	600149.20	4134209.68	240.76295
600144.53 (98120217)	4134215.59	241.21300 (98120217)	600139.85	4134221.50	246.14537
600135.18 (98120217)	4134227.42	250.39099 (98120217)	600130.51	4134233.33	253.97843
600125.84 (98122809)	4134239.25	257.92480 (98122809)	600121.16	4134245.16	266.25395
600116.49 (98122809)	4134251.07	274.07076 (98122809)	600111.82	4134256.99	281.34740
600107.15	4134262.90	288.04846 (98122809)	600102.48	4134268.81	294.18082

(98122809)							
600088.46	4134286.56	308.69704	(98122809)	600083.79	4134292.47	311.08234	
(98122809)							
600079.11	4134298.38	313.08691	(98122809)	600074.44	4134304.30	314.52473	
(98122809)							
600069.77	4134310.21	315.69690	(98122809)	600065.10	4134316.12	320.59036	
(98121617)							
600060.42	4134322.04	326.12246	(98121617)	600055.75	4134327.95	330.99809	
(98121617)							
600051.08	4134333.87	334.99016	(98121617)	600046.41	4134339.78	338.27330	
(98121617)							
600041.73	4134345.69	341.29936	(98121617)	600037.06	4134351.61	343.37857	
(98121617)							
600032.39	4134357.52	344.44434	(98121617)	600027.72	4134363.44	345.04795	
(98121617)							
600023.04	4134369.35	344.89089	(98121617)	600018.37	4134375.26	344.02182	
(98121617)							
600013.70	4134381.18	343.24363	(98121617)	600009.03	4134387.09	341.55708	
(98121617)							
600004.35	4134393.00	338.61724	(98121617)	599999.68	4134398.92	334.76259	
(98121617)							
600180.65	4134609.15	609.38747	(00010309)	600178.12	4134600.06	597.00215	
(00010309)							
600173.84	4134611.14	600.65505	(00010309)	600167.67	4134623.27	598.33468	
(00010309)							
600157.52	4134605.56	565.92137	(00010309)	600159.71	4134594.69	548.66809	
(00010309)							
600168.46	4134551.18	451.03002	(00010309)	600153.34	4134617.05	575.40868	
(00010309)							
600150.65	4134607.42	556.02681	(00010309)	600152.87	4134596.42	537.47043	
(00010309)							
600155.08	4134585.42	514.80383	(00010309)	600163.93	4134541.43	406.97304	
(99012317)							
600150.32	4134623.18	577.43877	(00010309)	600143.78	4134609.28	546.39126	
(00010309)							
600146.02	4134598.18	526.66725	(00010309)	600148.25	4134587.08	502.72571	
(00010309)							
600157.19	4134542.66	399.37915	(99012317)	600147.32	4134638.76	582.26054	
(00010309)							
600139.95	4134630.72	570.14295	(00010309)	600132.59	4134622.69	549.34448	
(00010309)							
600129.98	4134613.33	528.27402	(00010309)	600132.13	4134602.64	508.62784	
(00010309)							
600134.28	4134591.95	485.15417	(00010309)	600136.43	4134581.27	459.29380	
(00010309)							
600138.58	4134570.58	432.26551	(00010309)	600145.03	4134538.52	379.22122	
(99012317)							
600147.18	4134527.84	368.94338	(99012317)	600141.38	4134651.13	576.28708	
(00010309)							
600133.89	4134642.95	570.22643	(00010309)	600126.39	4134634.77	554.74183	
(00010309)							

RF *** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI		IN MICROGRAMS/M**3		**	
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
600118.89 (00010309)	4134626.59	532.01941	(00010309)	600116.24	4134617.06	509.54199	
600118.43 (00010309)	4134606.19	489.20650	(00010309)	600120.61	4134595.31	465.22694	
600122.80 (00010309)	4134584.43	438.54627	(00010309)	600124.99	4134573.56	410.37789	
600127.18 (99012317)	4134562.68	384.05669	(99012317)	600133.74	4134530.05	356.77550	
600135.93 (00010309)	4134519.17	344.93540	(99012317)	600131.80	4134659.53	565.68486	
600124.20 (00010309)	4134651.23	561.45827	(00010309)	600116.59	4134642.93	548.64909	
600108.99 (00010309)	4134634.63	527.22118	(00010309)	600102.49	4134620.82	491.13403	
600104.71 (00010309)	4134609.78	470.36479	(00010309)	600106.93	4134598.75	446.13235	
600109.15 (00010309)	4134587.71	419.27871	(00010309)	600111.37	4134576.68	390.43785	
600113.59 (99012317)	4134565.64	374.03665	(99012317)	600115.81	4134554.61	365.46061	
600122.47 (99012317)	4134521.51	334.50525	(99012317)	600124.69	4134510.47	322.34898	
600126.10 (00010309)	4134672.16	553.77503	(00010309)	600118.41	4134663.76	554.55683	
600110.71 (00010309)	4134655.36	547.26793	(00010309)	600103.01	4134646.96	531.56048	
600095.32 (00010309)	4134638.57	508.74620	(00010309)	600088.74	4134624.59	472.26090	
600090.99 (00010309)	4134613.42	452.08475	(00010309)	600093.24	4134602.25	427.62285	
600095.48 (00120517)	4134591.08	400.93498	(00010309)	600097.73	4134579.92	374.04513	
600099.97 (99012317)	4134568.75	365.90791	(99012317)	600102.22	4134557.58	356.91226	
600104.47 (99012317)	4134546.42	347.99485	(99012317)	600111.21	4134512.91	313.48625	
600113.45 (99123009)	4134501.75	300.76195	(99012317)	600199.82	4134741.14	658.44158	
600115.09 (00010309)	4134678.99	544.22618	(00010309)	600107.59	4134670.81	543.96470	
600100.10 (00010309)	4134662.63	536.79022	(00010309)	600092.60	4134654.45	522.34018	
600085.10 (00010309)	4134646.27	501.29335	(00010309)	600077.61	4134638.09	476.56317	
600074.95 (00010309)	4134628.56	454.33024	(00010309)	600077.14	4134617.69	435.32198	
600079.33 (00010309)	4134606.81	412.18951	(00010309)	600081.52	4134595.93	386.85168	
600083.70 (99012317)	4134585.06	370.31024	(00120517)	600085.89	4134574.18	359.51817	
600088.08 (99012317)	4134563.30	351.38755	(99012317)	600090.27	4134552.43	342.55656	
600092.46 (99012317)	4134541.55	333.84024	(99012317)	600094.64	4134530.67	323.75769	
600194.81 (00010309)	4134754.51	658.21911	(99123009)	600113.15	4134695.73	526.82557	
600105.57 (00010309)	4134687.46	534.20735	(00010309)	600098.00	4134679.19	534.72677	

600090.42 (00010309)	4134670.92	528.43462	(00010309)	600082.84	4134662.65	515.37124
600075.26 (00010309)	4134654.38	496.58414	(00010309)	600067.68	4134646.11	472.54570
600061.20 (00010309)	4134632.34	436.77986	(00010309)	600063.42	4134621.34	417.48328
600065.63 (00120517)	4134610.34	395.02141	(00010309)	600067.84	4134599.34	379.93928
600070.05 (99012317)	4134588.35	363.56204	(00120517)	600072.26	4134577.35	351.96106
600074.48 (99012317)	4134566.35	344.42210	(99012317)	600076.69	4134555.35	335.09865
600078.90 (99012317)	4134544.35	326.69570	(99012317)	600089.96	4134489.36	265.38302
600189.79 (00010309)	4134767.89	657.29481	(99123009)	600103.73	4134704.29	515.59557
600096.08 (00010309)	4134695.94	523.55326	(00010309)	600088.42	4134687.59	525.55639
600080.77 (00010309)	4134679.24	520.66872	(00010309)	600073.12	4134670.89	509.25780
600065.47 (00010309)	4134662.54	491.84626	(00010309)	600057.81	4134654.19	469.38975

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**MODELOPTs: RegDFAULT CONC ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600050.16 (00010309)	4134645.84	442.70541	(00010309)	600047.45	4134636.12	419.80043
600049.69 (00120517)	4134625.01	400.37314	(00010309)	600051.92	4134613.91	388.13018
600054.15 (00120517)	4134602.81	373.56804	(00120517)	600056.39	4134591.70	357.12707
600058.62 (99012317)	4134580.60	344.41249	(99012317)	600060.85	4134569.50	337.67282
600063.09 (99012317)	4134558.39	329.15743	(99012317)	600078.72	4134480.67	245.72012
600174.11 (99123009)	4134777.27	635.87290	(99123009)	600184.78	4134781.27	655.74468
600155.71 (00010309)	4134795.65	613.95807	(99123009)	600086.46	4134720.08	495.19707
600078.76 (00010309)	4134711.69	504.12943	(00010309)	600071.07	4134703.29	507.61747
600063.37 (00010309)	4134694.89	505.42856	(00010309)	600055.68	4134686.50	497.54823
600047.98 (00010309)	4134678.10	483.47433	(00010309)	600040.29	4134669.70	464.21581
600032.59 (00010309)	4134661.31	440.72507	(00010309)	600024.90	4134652.91	413.71097
600022.17	4134643.13	393.33316	(00120517)	600024.42	4134631.97	385.47843

(00120517)	600026.66	4134620.80	375.69692	(00120517)	600028.91	4134609.64	362.26231
(00120517)	600031.15	4134598.47	345.79528	(00120517)	600042.38	4134542.64	298.66509
(99012317)	600044.63	4134531.48	287.93226	(99012317)	600046.88	4134520.31	277.32791
(99012317)	600058.10	4134464.49	266.53349	(98121617)	600164.89	4134801.84	634.22246
(99123009)	600175.56	4134805.84	650.94656	(99123009)	600146.57	4134820.31	613.53999
(99123009)	600139.03	4134812.08	593.36421	(99123009)	600071.17	4134738.03	471.74303
(00010309)	600063.63	4134729.81	482.88668	(00010309)	600056.09	4134721.58	489.04323
(00010309)	600048.54	4134713.35	490.27015	(00010309)	600041.00	4134705.12	486.52080
(00010309)	600033.46	4134696.90	477.78133	(00010309)	600025.92	4134688.67	464.34410
(00010309)	600018.38	4134680.44	446.34486	(00010309)	600010.84	4134672.21	424.39572
(00010309)	600003.30	4134663.99	399.45982	(00010309)	599996.86	4134650.29	381.71372
(00120517)	599999.06	4134639.35	372.89012	(00120517)	600001.26	4134628.41	363.28905
(00120517)	600010.07	4134584.64	311.97946	(99012317)	600012.27	4134573.70	305.44480
(99012317)	600014.47	4134562.76	297.84162	(99012317)	600016.67	4134551.82	289.22242
(99012317)	600018.87	4134540.88	279.65102	(99012317)	600021.07	4134529.94	269.25493
(99012317)	600023.27	4134518.99	259.27943	(99012317)	600025.47	4134508.05	249.19491
(99012317)	600027.67	4134497.11	238.76180	(99012317)	600038.68	4134442.41	297.45497
(98121617)	600155.67	4134826.42	630.25725	(99123009)	600166.34	4134830.42	643.81602
(99123009)	600137.33	4134844.86	605.15617	(99123009)	600129.75	4134836.59	588.67421
(99123009)	600053.90	4134753.83	452.44801	(00010309)	600046.32	4134745.56	463.70683
(00010309)	600038.73	4134737.28	470.84180	(00010309)	600031.15	4134729.01	473.94345
(00010309)	600023.57	4134720.73	471.93894	(00010309)	600015.98	4134712.46	465.25892
(00010309)	600008.40	4134704.18	454.21693	(00010309)	600000.81	4134695.90	439.01355
(00010309)	599993.23	4134687.63	420.29934	(00010309)	599985.64	4134679.35	398.21206
(00010309)	599978.06	4134671.08	388.15428	(00120517)	599980.44	4134613.28	326.33627
(00120517)	599982.65	4134602.28	310.79130	(00120517)	599984.86	4134591.27	300.22710
(99012317)	599987.08	4134580.27	293.49445	(99012317)	599989.29	4134569.26	286.04692
(99012317)	599991.50	4134558.26	277.77990	(99012317)	599993.72	4134547.25	268.81339
(99012317)							

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*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI IN MICROGRAMS/M**3				**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
599995.93	4134536.25	259.08130	(99012317)	599998.14	4134525.24	248.90547
(99012317)						
600018.07	4134426.20	315.57808	(98121617)	600146.46	4134851.00	618.33593
(99123009)						
600157.12	4134855.00	630.24936	(99123009)	600128.10	4134869.42	593.94209
(99123009)						
600120.48	4134861.11	583.00431	(99123009)	600112.85	4134852.79	566.49643
(99123009)						
600036.64	4134769.63	433.44681	(00010309)	600029.02	4134761.32	445.57630
(00010309)						
600021.40	4134753.00	453.56028	(00010309)	600013.78	4134744.69	457.44706
(00010309)						
600006.16	4134736.37	456.95592	(00010309)	599998.54	4134728.06	452.61279
(00010309)						
599990.91	4134719.74	443.59867	(00010309)	599983.29	4134711.42	430.75446
(00010309)						
599975.67	4134703.11	414.30506	(00010309)	599968.05	4134694.79	394.92575
(00010309)						
599960.43	4134686.48	386.74990	(00120517)	599950.75	4134642.20	343.64598
(00120517)						
599952.97	4134631.14	330.20320	(00120517)	599955.20	4134620.08	315.27998
(00120517)						
599957.42	4134609.03	301.36076	(00120517)	599959.64	4134597.97	289.47575
(99012317)						
599961.87	4134586.91	283.84746	(99012317)	599964.09	4134575.85	276.18606
(99012317)						
599966.32	4134564.79	267.62460	(99012317)	599968.54	4134553.73	258.45488
(99012317)						
599970.77	4134542.68	249.35751	(99012317)	599972.99	4134531.62	239.57946
(99012317)						
599975.21	4134520.56	230.07235	(99012317)	599997.46	4134409.98	325.76186
(98121617)						
600137.24	4134875.58	603.12122	(99123009)	600147.91	4134879.58	611.20705
(99123009)						
600234.60	4134518.59	504.61322	(00010309)	600240.83	4134506.74	472.19606
(00010309)						
600368.01	4134352.14	270.32292	(98122809)	600360.52	4134362.73	280.18768
(98121617)						
600246.44	4134527.32	570.16015	(00010309)	600253.92	4134517.34	551.17793
(00010309)						
600364.27	4134369.59	285.28446	(98121617)	600373.62	4134358.99	272.76675
(98121617)						
600612.70	4134331.32	518.41442	(99122817)	600644.75	4134278.94	534.50542
(99122817)						
600664.13	4134289.94	544.35888	(99122817)	600632.79	4134344.48	515.38708
(99122817)						
600622.27	4134338.26	516.91411	(99122817)	600627.53	4134305.73	528.96721
(99122817)						
600647.14	4134318.88	532.86480	(99122817)	600619.87	4134318.88	525.78922
(99122817)						
600640.45	4134331.08	524.74674	(99122817)	600629.20	4134325.58	525.30312
(99122817)						

600636.62 (99122817)	4134312.42	531.91762 (99122817)		600636.14 (99122817)	4134292.33	531.39884 (99122817)
600646.90 (99122817)	4134298.07	535.88543 (99122817)		600656.23 (99122817)	4134303.81	538.76662 (99122817)
600654.56 (99122817)	4134283.24	539.28540 (99122817)		600589.73 (99122817)	4134278.46	487.51581 (99122817)

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600272.44 (99123016)	4134683.22	86.28022 (99123016)		600265.29 (99123016)	4134682.89	86.04448 (99123016)
600258.14 (99123016)	4134682.57	85.21317 (99123016)		600274.64 (99123016)	4134690.12	86.74115 (99123016)
600260.95 (99123016)	4134689.50	86.31575 (99123016)		600247.26 (99123016)	4134688.88	84.34215 (99123016)
600291.16 (99123016)	4134700.33	86.44944 (99123016)		600278.23 (99123016)	4134703.89	87.34067 (99123016)
600271.19 (99123016)	4134703.57	87.56626 (99123016)		600264.15 (99123016)	4134703.25	87.61725 (99123016)
600257.11 (99123016)	4134702.93	87.16385 (99123016)		600250.07 (99123016)	4134702.61	86.47323 (99123016)
600243.03 (99123016)	4134702.29	85.59946 (99123016)		600235.99 (99123016)	4134701.97	84.51913 (99123016)
600301.10 (99123016)	4134710.06	85.35067 (99123016)		600295.07 (99123016)	4134714.02	86.19491 (99123016)
600281.85 (99123016)	4134717.65	87.27740 (99123016)		600274.65 (99123016)	4134717.33	87.64269 (99123016)
600267.45 (99123016)	4134717.00	87.84651 (99123016)		600260.25 (99123016)	4134716.67	87.78556 (99123016)
600253.05 (99123016)	4134716.35	87.44625 (99123016)		600245.85 (99123016)	4134716.02	86.87504 (99123016)
600238.65 (99123016)	4134715.69	86.12539 (99123016)		600231.45 (99123016)	4134715.37	85.23806 (99123016)
600224.25 (99123016)	4134715.04	84.23129 (99123016)		600311.24 (99123016)	4134719.66	83.61981 (99123016)
600305.10 (99123016)	4134723.69	84.53382 (99123016)		600298.97 (99123016)	4134727.72	85.41223 (99123016)
600285.50 (99123016)	4134731.42	86.88767 (99123016)		600278.17 (99123016)	4134731.09	87.29476 (99123016)
600270.84 (99123016)	4134730.76	87.59727 (99123016)		600263.50 (99123016)	4134730.42	87.73656 (99123016)
600256.17 (99123016)	4134730.09	87.61679 (99123016)		600248.84 (99123016)	4134729.76	87.35950 (99123016)
600241.50 (99123016)	4134729.43	86.87152 (99123016)		600234.17 (99123016)	4134729.09	86.24471 (99123016)
600226.84 (99123016)	4134728.76	85.61380 (99123016)		600219.51 (99123016)	4134728.43	84.84282 (99123016)
600212.17 (99123016)	4134728.09	83.88739 (99123016)		600321.53 (99123016)	4134729.16	81.23011 (99123016)

(99123016)	600315.30	4134733.25	82.17738	(99123016)	600309.08	4134737.34	83.07976
(99123016)	600302.85	4134741.44	83.86824	(99123016)	600289.17	4134745.19	85.75260
(99123016)	600281.73	4134744.86	86.36743	(99123016)	600274.28	4134744.52	86.87116
(99123016)	600266.83	4134744.18	87.21702	(99123016)	600259.39	4134743.84	87.35173
(99123016)	600251.94	4134743.50	87.35476	(99123016)	600244.50	4134743.17	87.13571
(99123016)	600237.05	4134742.83	86.77685	(99123016)	600229.61	4134742.49	86.31956
(99123016)	600222.16	4134742.15	85.85383	(99123016)	600214.71	4134741.81	85.20677
(99123016)	600207.27	4134741.48	83.93784	(99123016)	600331.95	4134738.57	77.87099
(99123016)	600325.64	4134742.72	78.74529	(99123016)	600319.33	4134746.87	79.60984
(99123016)	600313.02	4134751.01	80.45812	(99123016)	600306.71	4134755.16	81.32089
(99123016)	600292.86	4134758.96	83.81986	(99123016)	600285.32	4134758.62	84.77830
(99123016)	600277.77	4134758.28	85.52344	(99123016)	600270.23	4134757.94	86.13907
(99123016)	600262.69	4134757.60	86.58643	(99123016)	600255.15	4134757.25	86.81610
(99123016)	600247.60	4134756.91	86.90561	(99123016)	600240.06	4134756.57	86.81656
(99123016)	600232.52	4134756.23	86.54164	(99123016)	600224.98	4134755.88	86.18055
(99123016)	600217.43	4134755.54	85.66740	(99123016)	600209.89	4134755.20	84.92324
(99123016)	600202.35	4134754.86	83.82128	(99123016)	600346.05	4134745.57	72.54343
(99123016)	600340.07	4134749.50	73.52770	(99123016)	600334.09	4134753.43	74.46591
(99123016)	600328.11	4134757.36	75.35371	(99123016)	600322.13	4134761.29	76.18259
(99123016)	600316.15	4134765.22	77.07828	(99123016)	600310.17	4134769.15	77.95089

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** **

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600297.04	4134772.76	80.57474	(99123016)	600289.89	4134772.43	82.10748	
(99123016)	600282.74	4134772.11	83.24947	(99123016)	600275.59	4134771.78	84.18486
(99123016)							

600268.44 (99123016)	4134771.46	84.99110 (99123016)	600261.29	4134771.14	85.59815
600254.14 (99123016)	4134770.81	86.00498 (99123016)	600246.99	4134770.49	86.28747
600239.84 (99123016)	4134770.16	86.36186 (99123016)	600232.69	4134769.84	86.27927
600225.54 (99123016)	4134769.51	86.07820 (99123016)	600218.39	4134769.19	85.67393
600211.24 (99123016)	4134768.86	85.10159 (99123016)	600204.09	4134768.54	84.35408
600196.94 (99123016)	4134768.21	83.48484 (99123016)	600350.40	4134758.97	67.32156
600344.34 (99123016)	4134762.95	68.51841 (99123016)	600338.28	4134766.94	69.62179
600332.22 (99123016)	4134770.92	70.76079 (99123016)	600326.15	4134774.91	71.80739
600320.09 (99123016)	4134778.89	72.81573 (99123016)	600314.03	4134782.87	73.75225
600300.72 (99123016)	4134786.53	76.61816 (99123016)	600293.47	4134786.20	78.44366
600286.23 (99123016)	4134785.87	80.09406 (99123016)	600278.98	4134785.54	81.51986
600271.74 (99123016)	4134785.21	82.76193 (99123016)	600264.49	4134784.88	83.82955
600257.24 (99123016)	4134784.56	84.56723 (99123016)	600250.00	4134784.23	85.13306
600242.75 (99123016)	4134783.90	85.49139 (99123016)	600235.50	4134783.57	85.68125
600228.26 (99123016)	4134783.24	85.74707 (99123016)	600221.01	4134782.91	85.59908
600213.76 (99123016)	4134782.58	85.28268 (99123016)	600206.52	4134782.25	84.84167
600199.27 (99123016)	4134781.92	84.18308 (99123016)	600192.02	4134781.59	83.23286
600307.59 (99123016)	4134811.84	68.03452 (99123016)	600300.25	4134811.51	70.52853
600292.92 (99123016)	4134811.17	72.77212 (99123016)	600285.58	4134810.84	74.95465
600278.25 (99123016)	4134810.51	76.89751 (99123016)	600270.91	4134810.17	78.61937
600263.58 (99123016)	4134809.84	80.15654 (99123016)	600256.24	4134809.51	81.42567
600248.91 (99123016)	4134809.17	82.52855 (99123016)	600241.57	4134808.84	83.40967
600234.24 (99123016)	4134808.51	84.11311 (99123016)	600226.90	4134808.18	84.55583
600219.57 (99123016)	4134807.84	84.78311 (99123016)	600212.23	4134807.51	84.83547
600204.90 (99123016)	4134807.18	84.66926 (99123016)	600197.56	4134806.84	84.09567
600190.23 (99123016)	4134806.51	83.35633 (99123016)	600182.89	4134806.18	82.45031
600292.25 (99123016)	4134836.14	66.61617 (99123016)	600284.84	4134835.80	69.21891
600277.43 (99123016)	4134835.47	71.56584 (99123016)	600270.03	4134835.13	73.69071
600262.62 (99123016)	4134834.79	75.57036 (99123016)	600255.22	4134834.46	77.35619
600247.81 (99123016)	4134834.12	78.96295 (99123016)	600240.40	4134833.79	80.36340
600233.00 (99123016)	4134833.45	81.55951 (99123016)	600225.59	4134833.11	82.45234
600218.19 (99123016)	4134832.78	82.86594 (99123016)	600210.78	4134832.44	83.07885

600203.37 (99123016)	4134832.10	83.09883	(99123016)	600195.97	4134831.77	82.93276
600188.56 (99123016)	4134831.43	82.58734	(99123016)	600181.15	4134831.10	82.05691
600173.75 (99123016)	4134830.76	81.35147	(99123016)	600269.10	4134860.09	68.28456
600261.64 (99123016)	4134859.75	70.53248	(99123016)	600254.17	4134859.41	72.54833
600246.71 (99123016)	4134859.07	74.35368	(99123016)	600239.24	4134858.73	75.89135
600231.78 (99123016)	4134858.39	77.22938	(99123016)	600224.31	4134858.05	78.43733

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600216.85 (99123016)	4134857.71	79.33359	(99123016)	600209.38	4134857.37	80.01548
600201.92 (99123016)	4134857.04	80.49192	(99123016)	600194.45	4134856.70	80.76694
600186.99 (99123016)	4134856.36	80.84222	(99123016)	600179.52	4134856.02	80.73062
600172.05 (99123016)	4134855.68	80.31754	(99123016)	600164.59	4134855.34	79.63902
600253.11 (99123016)	4134884.36	65.64245	(99123016)	600245.60	4134884.02	67.90632
600238.08 (99123016)	4134883.67	69.95736	(99123016)	600230.57	4134883.33	71.77668
600223.06 (99123016)	4134882.99	73.37394	(99123016)	600215.54	4134882.65	74.75208
600208.03 (99123016)	4134882.31	75.91071	(99123016)	600200.51	4134881.97	76.82307
600193.00 (99123016)	4134881.63	77.32962	(99123016)	600185.48	4134881.29	77.66084
600177.97 (99123016)	4134880.94	77.79351	(99123016)	600170.45	4134880.60	77.69906
600162.94 (99123016)	4134880.26	77.44805	(99123016)	600155.42	4134879.92	77.01508
600492.93 (00122916)	4134784.82	79.39419	(00122916)	600497.70	4134778.88	81.55212
600502.46 (00122916)	4134772.94	83.47276	(00122916)	600507.23	4134767.00	85.20714
600511.99 (00122916)	4134761.05	86.91225	(00122916)	600516.76	4134755.11	88.38120
600521.52 (00122916)	4134749.17	89.58204	(00122916)	600526.29	4134743.23	90.49488
600531.05 (00122916)	4134737.29	91.09733	(00122916)	600535.82	4134731.35	91.06241
600540.58	4134725.41	90.70652	(00122916)	600545.35	4134719.47	90.08809

(00122916)	600550.11	4134713.53	89.19100	(00122916)	600554.88	4134707.58	88.09007
(00122916)	600559.64	4134701.64	86.94266	(00122916)	600564.41	4134695.70	85.49973
(00122916)	600569.17	4134689.76	83.77312	(00122916)	600573.93	4134683.82	81.92444
(00122916)	600284.82	4134706.44	87.03875	(99123016)	600298.48	4134750.27	83.77704
(99123016)	600322.29	4134768.74	74.45989	(99123016)	600266.30	4134791.75	82.60970
(99123016)	600272.25	4134796.36	80.81610	(99123016)	600278.20	4134800.98	78.77496
(99123016)	600184.73	4134761.67	80.61141	(99123016)	600202.59	4134775.53	84.40436
(99123016)	600226.40	4134794.01	85.18556	(99123016)	600232.35	4134798.63	84.80491
(99123016)	600256.16	4134817.10	80.19669	(99123016)	600262.11	4134821.72	78.12173
(99123016)	600268.06	4134826.34	75.80272	(99123016)	600255.53	4134443.24	42.51495
(98121624)	600250.53	4134450.24	41.88902	(99012324)	600234.17	4134427.98	43.66209
(98121624)	600229.17	4134434.98	42.94641	(98121624)	600212.81	4134412.72	43.75707
(98121624)	600207.81	4134419.72	43.21950	(98121624)	600295.16	4134734.83	85.84747
(99123016)	600288.21	4134723.54	86.83660	(99123016)	600328.43	4134783.98	68.54273
(99123016)	600304.01	4134795.56	73.39441	(99123016)	600241.49	4134693.91	84.12652
(99123016)	600247.51	4134463.15	45.28043	(99012324)	600312.99	4134805.21	68.01237
(99123016)	600188.40	4134609.36	78.12246	(00010316)	600212.56	4134506.02	51.27674
(99012324)	600215.58	4134493.11	48.34633	(99012324)	600218.60	4134480.19	45.71202
(99012324)	600221.62	4134467.27	42.83630	(99012324)	600224.64	4134454.36	40.35484
(98121624)	600292.05	4134822.44	70.12010	(99123016)	600248.80	4134798.45	83.76117
(99123016)	600156.45	4134639.39	73.98042	(00010316)	600159.47	4134626.47	74.19759
(00010316)	600162.49	4134613.55	73.54741	(00010316)	600165.51	4134600.63	71.88557
(00010316)	600177.60	4134548.94	58.91328	(00010316)	600180.62	4134536.02	54.13129
(00010316)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 01/05/16

*** AERMET - VERSION 15181 ***
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600183.64 (99012324)	4134523.10	51.19988	(99012324)	600186.66	4134510.18	48.48283
600189.68 (99012324)	4134497.25	45.48418	(99012324)	600192.70	4134484.33	42.83575
600195.73 (98121624)	4134471.41	40.09730	(99012324)	600198.75	4134458.49	38.14387
600201.77 (98121624)	4134445.57	40.40222	(98121624)	600204.79	4134432.64	42.09272
600276.61 (00122916)	4134843.66	69.95553	(99123016)	600494.00	4134792.43	79.23854
600484.25 (00122916)	4134805.17	74.40073	(00122916)	600494.00	4134806.71	78.37802
600484.29 (00122916)	4134819.47	73.69361	(00122916)	600494.00	4134821.00	77.64360
600534.66 (00122916)	4134711.40	90.64907	(00122916)	600542.72	4134708.44	89.83810
600528.07 (00122916)	4134727.24	91.04138	(00122916)	600547.39	4134736.97	91.00000
600539.18 (00122916)	4134738.91	91.14483	(00122916)	600514.54	4134744.72	88.88434
600555.50 (00122916)	4134734.00	90.22239	(00122916)	600553.63	4134749.78	90.16567
600545.11 (00122916)	4134751.79	90.49347	(00122916)	600536.59	4134753.80	90.37280
600528.07 (00122916)	4134755.81	89.78079	(00122916)	600561.89	4134746.78	89.54876
600560.14 (00122916)	4134762.53	89.19868	(00122916)	600551.87	4134764.48	89.71145
600543.61 (00122916)	4134766.43	89.83058	(00122916)	600535.34	4134768.38	89.57977
600527.07 (00122916)	4134770.34	88.82982	(00122916)	600518.80	4134772.29	87.51911
600510.54 (00122916)	4134774.24	85.64078	(00122916)	600568.28	4134759.55	87.90743
600566.41 (00122916)	4134775.34	88.66998	(00122916)	600557.89	4134777.35	89.61974
600549.37 (00122916)	4134779.36	89.95438	(00122916)	600540.85	4134781.37	89.80792
600532.33 (00122916)	4134783.38	89.13942	(00122916)	600523.81	4134785.39	87.93909
600515.30 (00122916)	4134787.40	86.14488	(00122916)	600506.78	4134789.41	83.77360
600574.67 (00122916)	4134772.33	86.77049	(00122916)	600572.90	4134788.09	88.32234
600564.60 (00122916)	4134790.05	89.68104	(00122916)	600556.29	4134792.01	90.14267
600547.99 (00122916)	4134793.97	90.16636	(00122916)	600539.68	4134795.93	89.74504
600531.37 (00122916)	4134797.89	88.76065	(00122916)	600523.07	4134799.85	87.30247
600514.76 (00122916)	4134801.81	85.35595	(00122916)	600506.46	4134803.77	82.90929
600581.05 (00122916)	4134785.11	86.49306	(00122916)	600579.18	4134800.89	87.84479
600570.67 (00122916)	4134802.90	89.13585	(00122916)	600562.15	4134804.91	90.05155
600553.63 (00122916)	4134806.92	90.07463	(00122916)	600545.11	4134808.93	89.69065
600536.59 (00122916)	4134810.95	88.83921	(00122916)	600528.07	4134812.96	87.57125
600519.56 (00122916)	4134814.97	85.81876	(00122916)	600511.04	4134816.98	83.57842

600502.52 (00122916)	4134818.99	80.84307 (00122916)	600587.44	4134797.89	86.28362
600590.97 (00122916)	4134824.36	84.51959 (00122916)	600582.53	4134826.35	86.47804
600574.10 (00122916)	4134828.34	88.13241 (00122916)	600565.67	4134830.33	89.30115
600557.24 (00122916)	4134832.32	89.50388 (00122916)	600548.81	4134834.31	89.14841
600540.38 (00122916)	4134836.30	88.39086 (00122916)	600531.94	4134838.29	87.20019
600523.51 (00122916)	4134840.28	85.78531 (00122916)	600515.08	4134842.27	83.86301
600506.65 (00122916)	4134844.26	81.49950 (00122916)	600599.18	4134821.36	82.72499
600602.58 (00122916)	4134847.87	83.07357 (00122916)	600593.89	4134849.92	85.05853
600585.21 (00122916)	4134851.97	86.69144 (00122916)	600576.52	4134854.02	87.91445

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** **

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600567.83 (00122916)	4134856.07	88.61210 (00122916)	600559.15	4134858.12	88.84564
600550.46 (00122916)	4134860.17	88.67590 (00122916)	600541.77	4134862.22	88.11501
600533.09 (00122916)	4134864.27	87.09306 (00122916)	600610.92	4134844.84	80.85290
600614.36 (00122916)	4134871.34	80.72287 (00122916)	600605.76	4134873.37	82.94598
600597.17 (00122916)	4134875.40	84.66439 (00122916)	600588.57	4134877.42	86.01504
600579.97 (00122916)	4134879.45	87.04813 (00122916)	600571.38	4134881.48	87.63527
600562.78 (00122916)	4134883.51	87.87612 (00122916)	600554.18	4134885.54	88.27715
600622.66 (00122916)	4134868.32	77.56026 (00122916)	600626.14	4134894.81	76.64694
600617.61 (00122916)	4134896.82	79.72400 (00122916)	600609.09	4134898.83	81.82364
600600.56 (00122916)	4134900.84	83.59736 (00122916)	600592.04	4134902.86	85.13962
600583.51 (00122916)	4134904.87	86.55561 (00122916)	600574.99	4134906.88	87.70988
600634.40 (00122916)	4134891.80	73.43545 (00122916)	600572.59	4134652.25	82.43247
600573.32 (00122916)	4134662.52	81.87221 (00122916)	600578.07	4134656.82	80.24780
600582.82	4134651.13	78.41367 (00122916)	600587.57	4134645.43	76.41944

(00122916)							
600592.32	4134639.74	74.52415	(00122916)	600597.07	4134634.04	72.61853	
(00122916)							
600601.82	4134628.35	70.47435	(00122916)	600606.57	4134622.65	68.07980	
(00122916)							
600611.32	4134616.96	65.46299	(00122916)	600616.07	4134611.27	62.52933	
(00122916)							
600620.82	4134605.57	59.49810	(00122916)	600625.57	4134599.88	58.74384m	
(99010924)							
600630.32	4134594.18	58.15587m	(99010924)	600635.07	4134588.49	59.03185	
(00011716)							
600639.82	4134582.79	60.16831	(00011716)	600564.34	4134682.41	84.73173	
(00122916)							
600554.42	4134690.27	87.75919	(00122916)	600574.06	4134672.79	81.44242	
(00122916)							
600578.81	4134667.09	79.85111	(00122916)	600583.56	4134661.40	78.06647	
(00122916)							
600588.31	4134655.70	76.10579	(00122916)	600593.06	4134650.01	73.92858	
(00122916)							
600597.81	4134644.31	71.79797	(00122916)	600602.56	4134638.62	69.70410	
(00122916)							
600607.31	4134632.92	67.43094	(00122916)	600612.06	4134627.23	64.88633	
(00122916)							
600616.81	4134621.54	62.15360	(00122916)	600621.56	4134615.84	59.59494m	
(99010924)							
600626.31	4134610.15	59.15715m	(99010924)	600631.06	4134604.45	58.65818m	
(99010924)							
600635.81	4134598.76	57.99017m	(99010924)	600640.56	4134593.06	57.41794	
(00011716)							
600645.31	4134587.37	58.47083	(00011716)	600650.06	4134581.67	59.49377	
(00011716)							
600654.81	4134575.98	60.48907	(00011716)	600659.56	4134570.29	61.44961	
(00011716)							
600664.31	4134564.59	62.32917	(00011716)	600669.06	4134558.90	63.12636	
(00011716)							
600673.81	4134553.20	63.90030	(00011716)	600678.56	4134547.51	64.65029	
(00011716)							
600683.31	4134541.81	65.36356	(00011716)	600688.06	4134536.12	66.05330	
(00011716)							
600692.81	4134530.42	66.68162	(00011716)	600697.56	4134524.73	67.21565	
(00011716)							
600702.31	4134519.04	67.71486	(00011716)	600707.06	4134513.34	68.11576	
(00011716)							
600711.81	4134507.65	68.37429	(00011716)	600716.56	4134501.95	68.45237	
(00011716)							
600721.31	4134496.26	68.21467	(00011716)	600579.54	4134677.36	79.62093	
(00122916)							
600584.29	4134671.67	77.84975	(00122916)	600589.04	4134665.97	75.92963	
(00122916)							
600593.79	4134660.28	73.83126	(00122916)	600598.54	4134654.58	71.60296	
(00122916)							
600603.29	4134648.89	69.27769	(00122916)	600608.04	4134643.19	66.94401	
(00122916)							

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI		IN MICROGRAMS/M**3		**	
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
600612.79 (00122916)	4134637.50	64.52735	(00122916)	600617.54	4134631.81	61.90121	
600622.29 (99010924)	4134626.11	59.74267m	(99010924)	600627.04	4134620.42	59.47271m	
600631.79 (99010924)	4134614.72	59.10824m	(99010924)	600636.54	4134609.03	58.56942m	
600641.29 (99010924)	4134603.33	57.85240m	(99010924)	600646.04	4134597.64	56.96349m	
600650.79 (00011716)	4134591.94	56.99758	(00011716)	600655.54	4134586.25	57.94443	
600660.29 (00011716)	4134580.56	58.92887	(00011716)	600665.04	4134574.86	59.85436	
600669.79 (00011716)	4134569.17	60.70018	(00011716)	600674.54	4134563.47	61.47338	
600679.29 (00011716)	4134557.78	62.17214	(00011716)	600684.04	4134552.08	62.88614	
600688.79 (00011716)	4134546.39	63.62745	(00011716)	600693.54	4134540.69	64.30041	
600698.29 (00011716)	4134535.00	64.90881	(00011716)	600703.04	4134529.31	65.40980	
600707.79 (00011716)	4134523.61	65.85793	(00011716)	600712.54	4134517.92	66.23466	
600717.29 (00011716)	4134512.22	66.50164	(00011716)	600722.04	4134506.53	66.54424	
600726.79 (00011716)	4134500.83	66.26975	(00011716)	600731.54	4134495.14	65.59163	
600736.29 (00011716)	4134489.44	64.43682	(00011716)	600741.04	4134483.75	62.66703	
600745.79 (00122916)	4134478.06	60.27209	(00011716)	600580.53	4134696.35	80.64620	
600570.05 (00122916)	4134704.64	84.51604	(00122916)	600559.58	4134712.93	87.73785	
600590.51 (00122916)	4134686.51	76.32924	(00122916)	600595.26	4134680.82	73.98052	
600600.01 (00122916)	4134675.12	71.53463	(00122916)	600604.76	4134669.43	69.22239	
600609.51 (00122916)	4134663.73	66.80847	(00122916)	600614.26	4134658.04	64.31481	
600619.01 (99010924)	4134652.34	61.70635	(00122916)	600623.76	4134646.65	60.01846m	
600628.51 (99010924)	4134640.96	60.01377m	(99010924)	600633.26	4134635.26	59.87951m	
600638.01 (99010924)	4134629.57	59.57312m	(99010924)	600642.76	4134623.87	59.09188m	
600647.51 (99010924)	4134618.18	58.42827m	(99010924)	600652.26	4134612.48	57.62296m	
600657.01 (99010924)	4134606.79	56.67332m	(99010924)	600661.76	4134601.09	55.61725m	
600666.51 (00011716)	4134595.40	55.54129	(00011716)	600671.26	4134589.71	56.38880	
600676.01 (00011716)	4134584.01	57.19389	(00011716)	600680.76	4134578.32	57.95850	
600685.51 (00011716)	4134572.62	58.70473	(00011716)	600690.26	4134566.93	59.41687	
600695.01 (00011716)	4134561.23	60.08088	(00011716)	600699.76	4134555.54	60.67750	

600704.51 (00011716)	4134549.84	61.30647 (00011716)	600709.26	4134544.15	61.83970
600714.01 (00011716)	4134538.46	62.31671 (00011716)	600718.76	4134532.76	62.73485
600723.51 (00011716)	4134527.07	63.04226 (00011716)	600728.26	4134521.37	63.22887
600733.01 (00011716)	4134515.68	63.19576 (00011716)	600737.76	4134509.98	62.81922
600742.51 (00011716)	4134504.29	62.02102 (00011716)	600747.26	4134498.59	60.76171
600752.01 (00011716)	4134492.90	58.95573 (00011716)	600756.76	4134487.21	56.59521
600591.58 (00122916)	4134705.44	77.53532 (00122916)	600581.27	4134713.60	81.85590
600570.96 (00122916)	4134721.76	85.92069 (00122916)	600601.48	4134695.66	72.55521
600606.23 (00122916)	4134689.97	69.96007 (00122916)	600610.98	4134684.27	67.25864
600615.73 (00122916)	4134678.58	64.49732 (00122916)	600620.48	4134672.88	61.82422
600625.23 (99010924)	4134667.19	60.03513m (99010924)	600629.98	4134661.50	60.28509m
600634.73 (99010924)	4134655.80	60.40221m (99010924)	600639.48	4134650.11	60.35385m

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600644.23 (99010924)	4134644.41	60.12535m (99010924)	600648.98	4134638.72	59.75345m
600653.73 (99010924)	4134633.02	59.15127m (99010924)	600658.48	4134627.33	58.32787m
600663.23 (99010924)	4134621.63	57.39213m (99010924)	600667.98	4134615.94	56.35046m
600672.73 (99010924)	4134610.25	55.19725m (99010924)	600677.48	4134604.55	53.93128m
600682.23 (00011716)	4134598.86	54.41850 (00011716)	600686.98	4134593.16	55.23073
600691.73 (00011716)	4134587.47	56.00777 (00011716)	600696.48	4134581.77	56.73722
600701.23 (00011716)	4134576.08	57.39650 (00011716)	600705.98	4134570.38	57.98751
600710.73 (00011716)	4134564.69	58.48903 (00011716)	600715.48	4134559.00	58.93973
600720.23 (00011716)	4134553.30	59.40429 (00011716)	600724.98	4134547.61	59.84403
600729.73 (00011716)	4134541.91	60.20296 (00011716)	600734.48	4134536.22	60.44441
600739.23	4134530.52	60.52380 (00011716)	600743.98	4134524.83	60.38783

(00011716)							
600748.73	4134519.13	59.97104	(00011716)	600753.48	4134513.44	59.13356	
(00011716)							
600758.23	4134507.75	57.77558	(00011716)	600762.98	4134502.05	55.84750	
(00011716)							
600767.73	4134496.36	53.37130	(00011716)	600601.98	4134715.04	74.12304	
(00122916)							
600596.25	4134719.57	76.97116	(00122916)	600590.52	4134724.11	79.61984	
(00122916)							
600584.79	4134728.64	82.16168	(00122916)	600579.07	4134733.17	84.59755	
(00122916)							
600573.34	4134737.71	86.81339	(00122916)	600567.61	4134742.24	88.43659	
(00122916)							
600607.70	4134710.51	71.16455	(00122916)	600612.45	4134704.81	68.48588	
(00122916)							
600617.20	4134699.12	65.70428	(00122916)	600621.95	4134693.42	62.86035	
(00122916)							
600626.70	4134687.73	60.21207m	(99010924)	600631.45	4134682.04	60.46546m	
(99010924)							
600636.20	4134676.34	60.59995m	(99010924)	600640.95	4134670.65	60.84068m	
(99010924)							
600645.70	4134664.95	60.90014m	(99010924)	600650.45	4134659.26	60.81218m	
(99010924)							
600655.20	4134653.56	60.41215m	(99010924)	600659.95	4134647.87	59.72587m	
(99010924)							
600664.70	4134642.17	58.92893m	(99010924)	600669.45	4134636.48	58.01748m	
(99010924)							
600674.20	4134630.79	56.99787m	(99010924)	600678.95	4134625.09	55.86622m	
(99010924)							
600683.70	4134619.40	54.62408m	(99010924)	600688.45	4134613.70	53.44692m	
(99010924)							
600693.20	4134608.01	53.03015	(00011716)	600697.95	4134602.31	53.82552	
(00011716)							
600702.70	4134596.62	54.58635	(00011716)	600707.45	4134590.92	55.29813	
(00011716)							
600712.20	4134585.23	55.98002	(00011716)	600716.95	4134579.54	56.42200	
(00011716)							
600721.70	4134573.84	56.81637	(00011716)	600726.45	4134568.15	57.19892	
(00011716)							
600731.20	4134562.45	57.52139	(00011716)	600735.95	4134556.76	57.78851	
(00011716)							
600740.70	4134551.06	58.08054	(00011716)	600745.45	4134545.37	58.28192	
(00011716)							
600750.20	4134539.67	58.36070	(00011716)	600754.95	4134533.98	58.19514	
(00011716)							
600759.70	4134528.29	57.70641	(00011716)	600764.45	4134522.59	56.75577	
(00011716)							
600769.20	4134516.90	55.28187	(00011716)	600773.95	4134511.20	53.27624	
(00011716)							
600778.70	4134505.51	50.76567	(00011716)	600613.07	4134724.09	70.06773	
(00122916)							
600607.47	4134728.52	73.03405	(00122916)	600601.87	4134732.96	75.86538	
(00122916)							
600596.27	4134737.39	78.57462	(00122916)	600590.67	4134741.82	80.93483	
(00122916)							
600585.08	4134746.25	83.08217	(00122916)	600579.48	4134750.69	84.96856	
(00122916)							
600573.88	4134755.12	86.61479	(00122916)	600618.67	4134719.66	67.04331	
(00122916)							

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600623.42 (00122916)	4134713.96	64.20425 (00122916)	600628.17	4134708.27	61.49868
600632.92 (99010924)	4134702.57	60.85306m (99010924)	600637.67	4134696.88	61.14904m
600642.42 (99010924)	4134691.19	61.36078m (99010924)	600647.17	4134685.49	61.50081m
600651.92 (99010924)	4134679.80	61.58444m (99010924)	600656.67	4134674.10	61.32911m
600661.42 (99010924)	4134668.41	60.82009m (99010924)	600666.17	4134662.71	60.18037m
600670.92 (99010924)	4134657.02	59.42526m (99010924)	600675.67	4134651.32	58.54538m
600680.42 (99010924)	4134645.63	57.55562m (99010924)	600685.17	4134639.94	56.52933m
600689.92 (99010924)	4134634.24	55.49951m (99010924)	600694.67	4134628.55	54.32289m
600699.42 (00011716)	4134622.85	53.06856m (99010924)	600704.17	4134617.16	52.00058
600708.92 (00011716)	4134611.46	52.77312 (00011716)	600713.67	4134605.77	53.51150
600718.42 (00011716)	4134600.07	54.14442 (00011716)	600723.17	4134594.38	54.69123
600727.92 (00011716)	4134588.69	55.15448 (00011716)	600732.67	4134582.99	55.53466
600737.42 (00011716)	4134577.30	55.82811 (00011716)	600742.17	4134571.60	56.07766
600746.92 (00011716)	4134565.91	56.34856 (00011716)	600751.67	4134560.21	56.54448
600756.42 (00011716)	4134554.52	56.64509 (00011716)	600761.17	4134548.82	56.63778
600765.92 (00011716)	4134543.13	56.37444 (00011716)	600770.67	4134537.44	55.77862
600775.42 (00011716)	4134531.74	54.73957 (00011716)	600780.17	4134526.05	53.17050
600784.92 (00011716)	4134520.35	51.05369 (00011716)	600789.67	4134514.66	48.53200
600624.14 (00122916)	4134733.16	65.90249 (00122916)	600618.65	4134737.51	68.83404
600613.15 (00122916)	4134741.87	71.59814 (00122916)	600607.65	4134746.22	74.25599
600602.15 (00122916)	4134750.57	76.80477 (00122916)	600596.66	4134754.92	79.21774
600591.16 (00122916)	4134759.27	81.40024 (00122916)	600585.66	4134763.63	83.29013
600580.16 (00122916)	4134767.98	85.03570 (00122916)	600629.64	4134728.81	63.16419
600634.39 (99010924)	4134723.11	61.22586m (99010924)	600639.14	4134717.42	61.67185m
600643.89 (99010924)	4134711.73	61.82812m (99010924)	600648.64	4134706.03	61.81471m

600653.39 (99010924)	4134700.34	62.00979m (99010924)	600658.14	4134694.64	61.97624m
600662.89 (99010924)	4134688.95	61.71005m (99010924)	600667.64	4134683.25	61.22134m
600672.39 (99010924)	4134677.56	60.55374m (99010924)	600677.14	4134671.86	59.80619m
600681.89 (99010924)	4134666.17	58.97281m (99010924)	600686.64	4134660.48	58.14116m
600691.39 (99010924)	4134654.78	57.27011m (99010924)	600696.14	4134649.09	56.28200m
600700.89 (99010924)	4134643.39	55.18466m (99010924)	600705.64	4134637.70	53.97419m
600710.39 (00011716)	4134632.00	52.61629m (99010924)	600715.14	4134626.31	51.23714
600719.89 (00011716)	4134620.61	51.99530 (00011716)	600724.64	4134614.92	52.69185
600729.39 (00011716)	4134609.23	53.29814 (00011716)	600734.14	4134603.53	53.78654
600738.89 (00011716)	4134597.84	54.20898 (00011716)	600743.64	4134592.14	54.56489
600748.39 (00011716)	4134586.45	54.92610 (00011716)	600753.14	4134580.75	55.22788
600757.89 (00011716)	4134575.06	55.44786 (00011716)	600762.64	4134569.36	55.56012
600767.39 (00011716)	4134563.67	55.52344 (00011716)	600772.14	4134557.98	55.28649
600776.89 (00011716)	4134552.28	54.87786 (00011716)	600781.64	4134546.59	54.11153
600786.39 (00011716)	4134540.89	52.93134 (00011716)	600791.14	4134535.20	51.28035

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600795.89 (00011716)	4134529.50	49.16468 (00011716)	600800.64	4134523.81	46.64696
600635.20 (00122916)	4134742.25	62.24582 (00122916)	600624.37	4134750.82	67.06721
600618.95 (00122916)	4134755.10	69.73174 (00122916)	600613.54	4134759.39	72.38179
600608.13 (00122916)	4134763.68	74.92670 (00122916)	600602.71	4134767.96	77.53889
600591.88 (99010924)	4134776.54	82.72156 (00122916)	600640.61	4134737.96	62.19357m
600645.36 (99010924)	4134732.27	62.86493m (99010924)	600650.11	4134726.57	63.17916m
600654.86 (99010924)	4134720.88	63.23012m (99010924)	600659.61	4134715.18	62.98568m
600664.36	4134709.49	62.58536m (99010924)	600669.11	4134703.79	62.26415m

(99010924)							
600673.86	4134698.10	61.88256m	(99010924)	600678.61	4134692.40	61.31541m	
(99010924)							
600683.36	4134686.71	60.48448m	(99010924)	600688.11	4134681.02	59.65816m	
(99010924)							
600692.86	4134675.32	58.79294m	(99010924)	600697.61	4134669.63	57.93201m	
(99010924)							
600702.36	4134663.93	56.99270m	(99010924)	600707.11	4134658.24	55.94284m	
(99010924)							
600711.86	4134652.54	54.77831m	(99010924)	600716.61	4134646.85	53.51038m	
(99010924)							
600721.36	4134641.15	52.13290m	(99010924)	600726.11	4134635.46	50.68622	
(00011716)							
600730.86	4134629.77	51.43369	(00011716)	600735.61	4134624.07	52.14971	
(00011716)							
600740.36	4134618.38	52.83326	(00011716)	600745.11	4134612.68	53.35592	
(00011716)							
600749.86	4134606.99	53.77192	(00011716)	600754.61	4134601.29	54.14205	
(00011716)							
600759.36	4134595.60	54.45604	(00011716)	600764.11	4134589.90	54.70063	
(00011716)							
600768.86	4134584.21	54.85155	(00011716)	600773.61	4134578.52	54.88030	
(00011716)							
600778.36	4134572.82	54.66417	(00011716)	600783.11	4134567.13	54.31981	
(00011716)							
600787.86	4134561.43	53.72954	(00011716)	600792.61	4134555.74	52.85557	
(00011716)							
600797.36	4134550.04	51.54993	(00011716)	600802.11	4134544.35	49.79556	
(00011716)							
600806.86	4134538.65	47.58897	(00011716)	600811.61	4134532.96	45.04014	
(00011716)							
600646.24	4134751.34	62.28387m	(99010924)	600635.55	4134759.80	63.31065	
(00122916)							
600624.86	4134768.27	68.29229	(00122916)	600614.17	4134776.73	74.98683	
(00122916)							
600603.48	4134785.19	80.58207	(00122916)	600656.33	4134741.42	64.22929m	
(99010924)							
600661.08	4134735.72	64.71932m	(99010924)	600665.83	4134730.03	64.56292m	
(99010924)							
600670.58	4134724.33	64.20124m	(99010924)	600675.33	4134718.64	63.69032m	
(99010924)							
600680.08	4134712.94	63.04021m	(99010924)	600684.83	4134707.25	62.29814m	
(99010924)							
600689.58	4134701.55	61.60954m	(99010924)	600694.33	4134695.86	60.82795m	
(99010924)							
600699.08	4134690.17	59.92393m	(99010924)	600703.83	4134684.47	58.89764m	
(99010924)							
600708.58	4134678.78	57.75215m	(99010924)	600713.33	4134673.08	56.62396m	
(99010924)							
600718.08	4134667.39	55.51242m	(99010924)	600722.83	4134661.69	54.29322m	
(99010924)							
600727.58	4134656.00	52.97212m	(99010924)	600732.33	4134650.30	51.55084m	
(99010924)							
600737.08	4134644.61	50.33831	(00011716)	600741.83	4134638.92	51.04929	
(00011716)							
600746.58	4134633.22	51.69468	(00011716)	600751.33	4134627.53	52.33860	
(00011716)							
600756.08	4134621.83	53.01826	(00011716)	600760.83	4134616.14	53.66078	
(00011716)							
600765.58	4134610.44	53.99413	(00011716)	600770.33	4134604.75	54.26371	
(00011716)							
600775.08	4134599.05	54.41683	(00011716)	600779.83	4134593.36	54.33099	
(00011716)							
600784.58	4134587.67	54.12488	(00011716)	600789.33	4134581.97	53.84714	

(00011716)

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*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600794.08 (00011716)	4134576.28	53.40701 (00011716)		600798.83	4134570.58	52.71661
600803.58 (00011716)	4134564.89	51.77404 (00011716)		600808.33	4134559.19	50.37673
600813.08 (00011716)	4134553.50	48.52544 (00011716)		600817.83	4134547.80	46.25084
600822.58 (99010924)	4134542.11	43.68961 (00011716)		600666.16	4134768.34	63.87366m
600660.58 (99010924)	4134772.76	63.65566m (99010924)		600655.00	4134777.18	63.40180m
600649.41 (00012824)	4134781.60	63.77990m (00012824)		600643.83	4134786.02	64.94385m
600638.25 (00122916)	4134790.44	67.66396 (00122916)		600632.67	4134794.85	70.56523
600627.09 (00122916)	4134799.27	73.38768 (00122916)		600621.51	4134803.69	76.10836
600615.93 (00122916)	4134808.11	78.73499 (00122916)		600610.34	4134812.53	80.46377
600604.76 (99010924)	4134816.95	81.58555 (00122916)		600671.74	4134763.93	64.35920m
600676.49 (99010924)	4134758.23	64.90562m (99010924)		600681.24	4134752.54	65.35238m
600685.99 (99010924)	4134746.84	65.65894m (99010924)		600690.74	4134741.15	65.81245m
600695.49 (99010924)	4134735.45	65.51701m (99010924)		600700.24	4134729.76	64.84738m
600704.99 (99010924)	4134724.06	63.86478m (99010924)		600709.74	4134718.37	62.74656m
600714.49 (99010924)	4134712.68	61.45784m (99010924)		600719.24	4134706.98	59.91130m
600723.99 (99010924)	4134701.29	58.56859m (99010924)		600728.74	4134695.59	57.26243m
600733.49 (99010924)	4134689.90	55.93908m (99010924)		600738.24	4134684.20	54.60698m
600742.99 (99010924)	4134678.51	53.26486m (99010924)		600747.74	4134672.81	51.64936m
600752.49 (00011716)	4134667.12	49.94909m (99010924)		600757.24	4134661.43	49.52176
600761.99 (00011716)	4134655.73	50.06381 (00011716)		600766.74	4134650.04	50.57390
600771.49 (00011716)	4134644.34	51.11658 (00011716)		600776.24	4134638.65	51.75889
600780.99 (00011716)	4134632.95	52.32442 (00011716)		600785.74	4134627.26	52.87200

600790.49 (00011716)	4134621.56	53.35084 (00011716)	600795.24	4134615.87	53.69503
600799.99 (00011716)	4134610.18	53.48755 (00011716)	600804.74	4134604.48	53.10472
600809.49 (00011716)	4134598.79	52.54815 (00011716)	600814.24	4134593.09	51.80759
600818.99 (00011716)	4134587.40	50.85819 (00011716)	600823.74	4134581.70	49.70033
600828.49 (00011716)	4134576.01	48.19519 (00011716)	600833.24	4134570.31	46.33808
600837.99 (00011716)	4134564.62	44.16218 (00011716)	600842.74	4134558.93	41.72633
600686.11 (99010924)	4134785.32	64.38868m (99010924)	600680.33	4134789.90	63.96096m
600674.55 (99010924)	4134794.48	63.38005m (99010924)	600668.76	4134799.05	62.58446m
600662.98 (00012824)	4134803.63	61.77682m (00012824)	600657.19	4134808.21	63.09666m
600651.41 (00122916)	4134812.79	64.25857m (00012824)	600645.63	4134817.37	65.68233
600639.84 (00122916)	4134821.95	68.62420 (00122916)	600634.06	4134826.53	71.48287
600628.27 (00122916)	4134831.11	74.23413 (00122916)	600622.49	4134835.69	76.86069
600616.71 (99010924)	4134840.26	78.92526 (00122916)	600691.90	4134780.74	64.65636m
600696.65 (99010924)	4134775.05	64.82732m (99010924)	600701.40	4134769.35	64.84822m
600706.15 (99010924)	4134763.66	64.72214m (99010924)	600710.90	4134757.96	64.44202m
600715.65 (99010924)	4134752.27	64.01893m (99010924)	600720.40	4134746.57	63.46170m
600725.15 (99010924)	4134740.88	62.76407m (99010924)	600729.90	4134735.18	61.93483m
600734.65 (99010924)	4134729.49	60.98731m (99010924)	600739.40	4134723.80	59.76339m

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*** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600744.15 (99010924)	4134718.10	57.99750m (99010924)	600748.90	4134712.41	56.35647m
600753.65 (99010924)	4134706.71	54.67472m (99010924)	600758.40	4134701.02	53.23555m
600763.15 (99010924)	4134695.32	51.70657m (99010924)	600767.90	4134689.63	49.96183m
600772.65 (00011716)	4134683.93	48.49768 (00011716)	600777.40	4134678.24	48.80784
600782.15	4134672.55	49.27045 (00011716)	600786.90	4134666.85	49.74041

(00011716)							
600791.65	4134661.16	50.17699	(00011716)	600796.40	4134655.46	50.57404	
(00011716)							
600801.15	4134649.77	50.91996	(00011716)	600805.90	4134644.07	51.27138	
(00011716)							
600810.65	4134638.38	51.60868	(00011716)	600815.40	4134632.68	51.77235	
(00011716)							
600820.15	4134626.99	51.73226	(00011716)	600824.90	4134621.30	51.49080	
(00011716)							
600829.65	4134615.60	50.95221	(00011716)	600834.40	4134609.91	50.20706	
(00011716)							
600839.15	4134604.21	49.26762	(00011716)	600843.90	4134598.52	48.01672	
(00011716)							
600848.65	4134592.82	46.43737	(00011716)	600853.40	4134587.13	44.54106	
(00011716)							
600858.15	4134581.43	42.35919	(00011716)	600862.90	4134575.74	39.95649	
(00011716)							
600706.47	4134801.98	63.50376m	(99010924)	600700.88	4134806.40	63.28319m	
(99010924)							
600695.29	4134810.82	62.91879m	(99010924)	600689.71	4134815.25	62.42232m	
(99010924)							
600684.12	4134819.67	61.78596m	(99010924)	600678.53	4134824.09	61.01755m	
(99010924)							
600672.95	4134828.51	60.48268m	(00012824)	600667.36	4134832.94	61.76355m	
(00012824)							
600661.77	4134837.36	62.90163m	(00012824)	600656.18	4134841.78	63.88824m	
(00012824)							
600650.60	4134846.21	64.88907	(00122916)	600645.01	4134850.63	67.61350	
(00122916)							
600639.42	4134855.05	70.25494	(00122916)	600633.84	4134859.48	72.80081	
(00122916)							
600628.25	4134863.90	75.24554	(00122916)	600712.06	4134797.55	63.47674m	
(99010924)							
600716.81	4134791.86	63.60007m	(99010924)	600721.56	4134786.17	63.47563m	
(99010924)							
600726.31	4134780.47	63.21527m	(99010924)	600731.06	4134774.78	62.81553m	
(99010924)							
600735.81	4134769.08	62.28519m	(99010924)	600740.56	4134763.39	61.61850m	
(99010924)							
600745.31	4134757.69	60.83003m	(99010924)	600750.06	4134752.00	59.90927m	
(99010924)							
600754.81	4134746.30	58.88036m	(99010924)	600759.56	4134740.61	57.74230m	
(99010924)							
600764.31	4134734.92	56.49046m	(99010924)	600769.06	4134729.22	55.14664m	
(99010924)							
600773.81	4134723.53	53.71552m	(99010924)	600778.56	4134717.83	52.19902m	
(99010924)							
600783.31	4134712.14	50.12580m	(99010924)	600788.06	4134706.44	47.88292m	
(99010924)							
600792.81	4134700.75	48.02198	(00011716)	600797.56	4134695.05	48.31355	
(00011716)							
600802.31	4134689.36	48.65932	(00011716)	600807.06	4134683.67	48.98186	
(00011716)							
600811.81	4134677.97	49.17872	(00011716)	600816.56	4134672.28	49.43802	
(00011716)							
600821.31	4134666.58	49.71140	(00011716)	600826.06	4134660.89	50.01165	
(00011716)							
600830.81	4134655.19	50.25617	(00011716)	600835.56	4134649.50	50.45163	
(00011716)							
600840.31	4134643.80	50.43954	(00011716)	600845.06	4134638.11	50.15564	
(00011716)							
600849.81	4134632.42	49.66000	(00011716)	600854.56	4134626.72	48.91655	
(00011716)							
600859.31	4134621.03	47.89595	(00011716)	600864.06	4134615.33	46.57683	

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(00011716)
600868.81 4134609.64 44.95567 (00011716) 600873.56 4134603.94 43.04408
(00011716)
600878.31 4134598.25 40.88259 (00011716) 600883.06 4134592.55 38.52346
(00011716)
600726.46 4134818.92 62.32677m (99010924) 600720.71 4134823.48 62.25422m
(99010924)
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FF *** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600714.95	4134828.03	62.04897m (99010924)	600709.20	4134832.59	61.69791m
(99010924)					
600703.45	4134837.14	61.21387m (99010924)	600697.69	4134841.70	60.59313m
(99010924)					
600691.94	4134846.25	59.84405m (99010924)	600686.18	4134850.81	58.96825m
(99010924)					
600680.43	4134855.36	59.61369m (00012824)	600674.68	4134859.92	60.70134m
(00012824)					
600668.92	4134864.47	61.75043m (00012824)	600663.17	4134869.03	62.68166m
(00012824)					
600657.42	4134873.58	63.48651m (00012824)	600651.66	4134878.14	65.75259
(00122916)					
600645.91	4134882.69	68.48065 (00122916)	600640.15	4134887.25	71.01279
(00122916)					
600732.21	4134814.37	62.25225m (99010924)	600736.96	4134808.67	62.13040m
(99010924)					
600741.71	4134802.98	61.87233m (99010924)	600746.46	4134797.29	61.39280m
(99010924)					
600751.21	4134791.59	60.98337m (99010924)	600755.96	4134785.90	60.34799m
(99010924)					
600760.71	4134780.20	59.59860m (99010924)	600765.46	4134774.51	58.72776m
(99010924)					
600770.21	4134768.81	57.75098m (99010924)	600774.96	4134763.12	56.66228m
(99010924)					
600779.71	4134757.42	55.48043m (99010924)	600784.46	4134751.73	54.18868m
(99010924)					
600789.21	4134746.04	52.81739m (99010924)	600793.96	4134740.34	51.36483m
(99010924)					
600798.71	4134734.65	49.83956m (99010924)	600803.46	4134728.95	48.24822m
(99010924)					
600808.21	4134723.26	48.09207 (00011716)	600812.96	4134717.56	48.05222
(00011716)					
600817.71	4134711.87	48.06021 (00011716)	600822.46	4134706.17	48.17868
(00011716)					
600827.21	4134700.48	48.38757 (00011716)	600831.96	4134694.79	48.50661
(00011716)					
600836.71	4134689.09	48.62746 (00011716)	600841.46	4134683.40	48.70315
(00011716)					

600846.21 (00011716)	4134677.70	48.74567	(00011716)	600850.96	4134672.01	48.93123
600855.71 (00011716)	4134666.31	49.08460	(00011716)	600860.46	4134660.62	49.05988
600865.21 (00011716)	4134654.92	48.88035	(00011716)	600869.96	4134649.23	48.48274
600874.71 (00011716)	4134643.54	47.75158	(00011716)	600879.46	4134637.84	46.66552
600884.21 (00011716)	4134632.15	45.29999	(00011716)	600888.96	4134626.45	43.65488
600893.71 (00011716)	4134620.76	41.74891	(00011716)	600898.46	4134615.06	39.61753
600903.21 (99011516)	4134609.37	37.31640	(00011716)	600760.53	4134452.73	57.06934
600756.32 (00011716)	4134459.97	55.64107	(99011516)	600752.11	4134467.20	55.73813
600764.13 (99011516)	4134445.11	58.49002	(99011516)	600773.87	4134457.80	55.53926
600769.59 (99011516)	4134465.15	54.01146	(99011516)	600765.32	4134472.50	52.33313
600761.04 (99011516)	4134479.86	53.69026	(00011716)	600777.51	4134450.13	56.92745
600787.42 (99011516)	4134462.53	53.84445	(99011516)	600783.48	4134469.29	52.45823
600779.54 (99011516)	4134476.06	50.93410	(99011516)	600775.61	4134482.83	49.28881
600771.67 (99011516)	4134489.59	50.74526	(00011716)	600790.89	4134455.14	55.22147
600800.76 (99011516)	4134467.61	52.18478	(99011516)	600796.75	4134474.50	50.71733
600792.74 (99011516)	4134481.39	49.10017	(99011516)	600788.73	4134488.28	47.36265
600784.72 (99011516)	4134495.17	46.47439	(00011716)	600804.26	4134460.16	53.67131
600814.10 (99011516)	4134472.68	50.66134	(99011516)	600810.03	4134479.67	49.05000
600805.96 (99011516)	4134486.67	47.31841	(99011516)	600801.89	4134493.67	45.47838
600797.82 (00011716)	4134500.66	43.57550	(99011516)	600793.74	4134507.66	45.68272
600817.64 (99011516)	4134465.18	52.27201	(99011516)	600827.45	4134477.74	49.12601

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YMMDDHH)	Y-COORD (M)	CONC (YMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
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600823.33 (99011516)	4134484.82	47.40389	(99011516)	600819.20	4134491.91	45.57040
600815.08	4134499.00	43.65039	(99011516)	600810.95	4134506.09	42.23320m

(99011416)							
600806.83	4134513.18	42.25719	(00011716)	600831.01	4134470.19	50.84441	
(99011516)							
600840.80	4134482.79	47.60628	(99011516)	600836.63	4134489.96	45.76974	
(99011516)							
600832.46	4134497.13	43.80403	(99011516)	600828.29	4134504.29	41.87190	
(99011516)							
600824.12	4134511.46	41.21862m	(99011416)	600819.95	4134518.63	40.53810m	
(99011416)							
600815.78	4134525.79	42.12692	(00011716)	600844.39	4134475.21	49.41398	
(99011516)							
600854.16	4134487.84	46.17237	(99011516)	600849.95	4134495.08	44.26771	
(99011516)							
600845.74	4134502.31	42.25186	(99011516)	600841.53	4134509.55	40.99269m	
(99011416)							
600837.32	4134516.79	40.25763m	(99011416)	600833.11	4134524.02	39.46197m	
(99011416)							
600828.90	4134531.26	39.23029	(00011716)	600857.77	4134480.22	48.02606	
(99011516)							
600878.73	4134497.08	43.49985	(99011516)	600874.49	4134504.36	41.49543	
(99011516)							
600870.26	4134511.63	40.38937m	(99011416)	600866.03	4134518.91	39.45897m	
(99011416)							
600861.79	4134526.18	38.44627m	(99011416)	600857.56	4134533.46	37.52706m	
(99011416)							
600853.32	4134540.74	36.53668m	(99011416)	600849.09	4134548.01	37.29411	
(00011716)							
600882.34	4134489.44	45.49474	(99011516)	600903.30	4134506.31	40.61843	
(99011516)							
600899.04	4134513.62	39.82446m	(99011416)	600894.79	4134520.93	39.09915m	
(99011416)							
600890.54	4134528.24	38.15686m	(99011416)	600886.29	4134535.55	36.99814m	
(99011416)							
600882.03	4134542.85	35.81211m	(99011416)	600877.78	4134550.16	34.57342m	
(99011416)							
600873.53	4134557.47	33.32739m	(99011416)	600869.28	4134564.78	35.75609	
(00011716)							
600906.92	4134498.66	42.66785	(99011516)	600927.87	4134515.54	38.83873m	
(99011416)							
600923.60	4134522.88	37.86524m	(99011416)	600919.33	4134530.21	36.97075m	
(99011416)							
600915.06	4134537.55	36.02015m	(99011416)	600910.80	4134544.88	34.95199m	
(99011416)							
600906.53	4134552.21	33.78435m	(99011416)	600902.26	4134559.55	32.48964m	
(99011416)							
600897.99	4134566.88	31.10934m	(99011416)	600893.73	4134574.22	32.25174	
(00011724)							
600889.46	4134581.55	34.40452	(00011716)	600931.50	4134507.88	39.76815m	
(99011416)							
600952.44	4134524.77	37.22002m	(99011416)	600948.16	4134532.13	36.16426m	
(99011416)							
600943.88	4134539.48	35.07485m	(99011416)	600939.60	4134546.84	33.97044m	
(99011416)							
600935.32	4134554.20	32.82365m	(99011416)	600931.04	4134561.55	31.62521m	
(99011416)							
600926.76	4134568.91	30.62767	(00121924)	600922.48	4134576.27	30.63614	
(00121924)							
600918.20	4134583.62	31.39855	(00011724)	600913.92	4134590.98	32.94253	
(00011724)							
600909.63	4134598.33	34.35953	(00011724)	600956.08	4134517.09	38.26152m	
(99011416)							
600781.09	4134434.66	59.28035	(99011516)	600797.50	4134422.93	59.31122	
(99011516)							
600795.46	4134434.22	58.33951	(99011516)	600793.41	4134445.50	56.84321	

(99011516)							
600811.83	4134422.72	58.65781	(99011516)	600809.80	4134433.87	57.74259	
(99011516)							
600807.78	4134445.01	56.30505	(99011516)	600828.14	4134411.52	58.21329	
(99011516)							
600826.14	4134422.55	58.13214	(99011516)	600824.14	4134433.59	57.33760	
(99011516)							
600822.14	4134444.62	55.97557	(99011516)	600820.14	4134455.66	54.14343	
(99011516)							
600842.44	4134411.47	57.75100	(99011516)	600840.45	4134422.42	57.68560	
(99011516)							
600838.47	4134433.36	56.95585	(99011516)	600836.48	4134444.30	55.65332	
(99011516)							

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600834.50	4134455.25	53.87578 (99011516)	600843.43	4134400.00	57.05119
(99011516)					
600856.73	4134411.43	57.37052 (99011516)	600854.76	4134422.30	57.30480
(99011516)					
600852.79	4134433.17	56.60823 (99011516)	600850.82	4134444.04	55.34304
(99011516)					
600848.85	4134454.91	53.61130 (99011516)	600846.88	4134465.77	51.48024
(99011516)					
600857.71	4134400.00	56.70902 (99011516)	600870.94	4134411.85	57.02981
(99011516)					
600868.82	4134423.56	56.90295 (99011516)	600866.69	4134435.26	56.06043
(99011516)					
600864.57	4134446.96	54.59702 (99011516)	600862.45	4134458.67	52.60552
(99011516)					
600860.33	4134470.37	50.22193 (99011516)	600872.00	4134400.00	56.39985
(99011516)					
600897.22	4134411.67	56.45198 (99011516)	600895.16	4134423.02	56.31978
(99011516)					
600893.11	4134434.37	55.55457 (99011516)	600891.05	4134445.72	54.35391
(99011516)					
600888.99	4134457.07	52.67802 (99011516)	600886.93	4134468.42	50.52354
(99011516)					
600884.87	4134479.77	47.92745 (99011516)	600898.25	4134400.00	55.89234
(99011516)					
600923.50	4134411.54	55.92558 (99011516)	600921.49	4134422.62	55.78557
(99011516)					
600919.48	4134433.71	55.05485 (99011516)	600917.47	4134444.79	53.93756
(99011516)					
600915.46	4134455.87	52.43206 (99011516)	600913.45	4134466.95	50.50916
(99011516)					
600911.44	4134478.04	48.00097 (99011516)	600909.43	4134489.12	45.20983
(99011516)					

600924.50 (99011516)	4134400.00	55.44186 (99011516)	(99011516)	600949.71	4134411.76	55.44185
600947.62 (99011516)	4134423.27	55.23612 (99011516)	(99011516)	600945.53	4134434.79	54.41999
600943.44 (99011516)	4134446.30	53.11994 (99011516)	(99011516)	600941.35	4134457.82	51.35777
600939.27 (99011516)	4134469.33	49.24267 (99011516)	(99011516)	600937.18	4134480.85	46.74964
600935.09 (99011516)	4134492.36	43.95058 (99011516)	(99011516)	600950.75	4134400.00	55.02932
600975.98 (99011516)	4134411.64	54.97860 (99011516)	(99011516)	600973.93	4134422.91	54.74798
600971.89 (99011516)	4134434.18	53.96799 (99011516)	(99011516)	600969.85	4134445.46	52.67155
600967.80 (99011516)	4134456.73	50.91987 (99011516)	(99011516)	600965.76	4134468.00	48.77653
600963.71 (99011516)	4134479.27	46.50618 (99011516)	(99011516)	600961.67	4134490.55	43.94725
600959.62 (99011516)	4134501.82	41.06454 (99011516)	(99011516)	600977.00	4134400.00	54.63671
600869.97 (99011516)	4134390.44	55.34312 (99011516)	(99011516)	600893.37	4134377.03	52.72727
600895.32 (99011516)	4134386.22	54.33996 (99011516)	(99011516)	600917.58	4134367.37	50.54823
600919.55 (99011516)	4134376.69	52.48247 (99011516)	(99011516)	600921.53	4134386.02	54.00097
600947.75 (99122824)	4134385.85	53.69783 (99011516)	(99011516)	600749.25	4134234.05	70.94360
600743.71 (99122824)	4134229.67	71.11581 (99122824)	(99122824)	600738.18	4134225.28	71.10388
600732.64 (99122824)	4134220.90	70.95590 (99122824)	(99122824)	600727.10	4134216.52	70.67256
600721.56 (99122824)	4134212.13	70.24652 (99122824)	(99122824)	600716.02	4134207.75	69.64989
600710.48 (99122824)	4134203.36	68.82368 (99122824)	(99122824)	600704.94	4134198.98	67.70320
600699.41 (99122824)	4134194.59	66.25419 (99122824)	(99122824)	600758.12	4134222.85	71.43172
600752.58 (99122824)	4134218.47	71.57994 (99122824)	(99122824)	600747.04	4134214.08	71.53642
600741.50 (99122824)	4134209.70	71.32680 (99122824)	(99122824)	600735.97	4134205.31	70.98379
600730.43 (99122824)	4134200.93	70.48211 (99122824)	(99122824)	600724.89	4134196.55	69.80505
600719.35 (99122824)	4134192.16	68.83220 (99122824)	(99122824)	600713.81	4134187.78	67.60107
600708.27 (99122824)	4134183.39	66.01797 (99122824)	(99122824)	600766.99	4134211.65	71.95635

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

(YYMMDDHH)

600761.45	4134207.27	72.07215	(99122824)	600755.91	4134202.88	72.00127
(99122824)						
600750.37	4134198.50	71.71348	(99122824)	600744.83	4134194.11	71.18988
(99122824)						
600739.29	4134189.73	70.48912	(99122824)	600733.76	4134185.34	69.60978
(99122824)						
600728.22	4134180.96	68.49484	(99122824)	600722.68	4134176.58	67.16998
(99122824)						
600717.14	4134172.19	65.62969	(99122824)	600777.74	4134186.69	72.83119
(99122824)						
600772.20	4134182.30	72.61452	(99122824)	600766.66	4134177.92	72.11392
(99122824)						
600761.13	4134173.53	71.39171	(99122824)	600755.59	4134169.15	70.45258
(99122824)						
600750.05	4134164.76	69.27983	(99122824)	600744.51	4134160.38	67.88792
(99122824)						
600738.97	4134155.99	66.32316	(99122824)	600733.43	4134151.61	64.53170
(99122824)						
600794.04	4134166.11	73.35422	(99122824)	600788.50	4134161.72	72.93682
(99122824)						
600782.96	4134157.34	72.28271	(99122824)	600777.42	4134152.95	71.39847
(99122824)						
600771.88	4134148.57	70.29368	(99122824)	600766.34	4134144.18	68.96380
(99122824)						
600821.41	4134154.29	73.80749	(99122824)	600815.87	4134149.91	73.85331
(99122824)						
600810.33	4134145.52	73.59327	(99122824)	600804.79	4134141.14	73.07259
(99122824)						
600799.25	4134136.75	72.26959	(99122824)	600793.71	4134132.37	71.23897
(99122824)						
600788.17	4134127.99	69.99070	(99122824)	600782.64	4134123.60	68.53155
(99122824)						
600777.10	4134119.22	66.86962	(99122824)	600771.56	4134114.83	65.02466
(99122824)						
600766.02	4134110.45	63.01522	(99122824)	600854.31	4134146.87	72.99048
(99122824)						
600848.78	4134142.48	73.68305	(99122824)	600843.24	4134138.10	74.13197
(99122824)						
600837.70	4134133.71	74.33426	(99122824)	600832.16	4134129.33	74.21699
(99122824)						
600826.62	4134124.94	73.75182	(99122824)	600821.08	4134120.56	73.04729
(99122824)						
600815.55	4134116.17	72.10846	(99122824)	600810.01	4134111.79	70.94669
(99122824)						
600804.47	4134107.40	69.56955	(99122824)	600798.93	4134103.02	67.99452
(99122824)						
600793.39	4134098.64	66.23506	(99122824)	600787.85	4134094.25	64.30943
(99122824)						
600782.31	4134089.87	62.23011	(99122824)	600689.04	4134187.28	62.93743
(99122824)						
600677.86	4134179.88	58.66941	(99122824)	600671.86	4134176.13	56.16169
(99122824)						
600665.86	4134172.38	53.53590	(99122824)	600659.86	4134168.63	50.84418
(99122824)						
600653.86	4134164.88	48.12085	(99122824)	600647.86	4134161.13	46.02683
(98121716)						
600641.86	4134157.38	48.27807	(98121716)	600697.04	4134175.47	62.22639
(99122824)						
600691.43	4134171.51	60.03624	(99122824)	600685.43	4134167.76	57.63556
(99122824)						
600679.43	4134164.01	55.03007	(99122824)	600673.43	4134160.26	52.33321

(99122824)	600667.43	4134156.51	49.64628	(99122824)	600661.43	4134152.76	46.98654
(99122824)	600655.43	4134149.01	45.06045	(00011224)	600649.43	4134145.26	45.38254
(98121716)	600703.53	4134162.60	60.78557	(99122824)	600693.00	4134155.65	56.35577
(99122824)	600687.00	4134151.90	53.75672	(99122824)	600681.00	4134148.15	51.11585
(99122824)	600675.00	4134144.40	48.48520	(99122824)	600669.00	4134140.65	45.91662
(99122824)	600663.00	4134136.90	45.22233	(00011224)	600657.00	4134133.15	45.18153
(00011224)	600651.00	4134129.40	45.25750	(00011224)	600718.04	4134140.76	58.79281
(99122824)	600706.91	4134133.39	54.16314	(99122824)	600700.91	4134129.64	51.65540
(99122824)	600694.91	4134125.89	49.12565	(99122824)	600688.91	4134122.14	46.59187
(99122824)							

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*** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YMMDDHH)	Y-COORD (M)	CONC (YMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600682.91 (00011224)	4134118.39	46.18271 (00011224)	600676.91	4134114.64	46.16618
600670.91 (00011224)	4134110.89	46.19751 (00011224)	600664.91	4134107.14	46.33395
600745.79 (99122824)	4134096.19	55.01551 (99122824)	600755.91	4134103.32	59.18322
600734.74 (00011224)	4134088.87	50.29935 (99122824)	600728.74	4134085.12	47.70829
600722.74 (00011224)	4134081.37	47.75610 (00011224)	600716.74	4134077.62	47.78123
600710.74 (00011224)	4134073.87	47.80887 (00011224)	600704.74	4134070.12	47.85810
600698.74 (00011224)	4134066.37	47.95199 (00011224)	600692.74	4134062.62	48.10226
600760.18 (99122824)	4134074.26	53.23037 (99122824)	600771.25	4134082.06	57.92323
600748.65 (00011224)	4134066.61	48.17050 (00011224)	600742.65	4134062.86	48.29765
600736.65 (00011224)	4134059.11	48.37731 (00011224)	600730.65	4134055.36	48.43127
600724.65 (00011224)	4134051.61	48.48479 (00011224)	600718.65	4134047.86	48.55795
600712.65 (00011224)	4134044.11	48.65046 (00011224)	600706.65	4134040.36	48.72578
600641.60 (00011224)	4134120.86	45.73626 (00011224)	600657.67	4134100.10	46.66493

600684.64 (00011224)	4134054.59	48.40621 (00011224)	600700.71	4134033.83	48.71096
600773.98 (98121716)	4134438.26	59.34699 (99011516)	600592.69	4134142.61	63.58933
600582.69 (98121716)	4134135.41	63.61112 (98121716)	600596.87	4134136.82	59.91814
600586.87 (98121716)	4134129.62	60.28763 (98121716)	600601.04	4134131.02	56.79007
600591.04 (98121716)	4134123.82	57.44858 (98121716)	600605.22	4134125.22	54.11508
600595.22 (98121716)	4134118.02	55.01818 (98121716)	600609.39	4134119.43	51.81207
600599.39 (98121716)	4134112.23	52.91468 (98121716)	600613.56	4134113.63	49.80730
600603.56 (98121716)	4134106.43	51.08201 (98121716)	600622.74	4134111.43	47.49109
600612.74 (98121716)	4134104.23	48.70007 (98121716)	600602.74	4134097.03	50.20700
600661.93 (00011224)	4134161.89	49.57302 (99122824)	600626.91	4134105.64	46.71601
600616.91 (98121716)	4134098.44	47.20294 (98121716)	600606.91	4134091.24	48.80685
600663.03 (00011224)	4134144.54	45.30546 (99122824)	600631.08	4134099.84	46.81994
600621.08 (98121716)	4134092.64	45.87129 (98121716)	600611.08	4134085.44	47.53542
600650.21 (00011224)	4134112.82	46.14786 (00011224)	600656.84	4134122.94	45.58942
600625.26 (98121716)	4134086.84	44.78051 (00011224)	600615.26	4134079.64	46.38518
600654.25 (00011224)	4134106.83	46.49413 (00011224)	600660.80	4134116.82	45.88142
600667.35 (99122824)	4134126.81	45.60099 (00011224)	600682.81	4134157.68	54.19952
600678.27 (00011224)	4134187.20	60.50070 (99122824)	600629.43	4134081.05	44.80100
600619.43 (00011224)	4134073.85	46.00774 (99123024)	600665.61	4134099.82	46.55907
600684.85 (99122824)	4134129.18	47.26278 (99122824)	600691.27	4134138.96	51.45467
600690.57 (00011224)	4134195.01	64.71953 (99122824)	600637.78	4134069.45	44.82297
600627.78 (00011224)	4134062.25	45.94779 (99123024)	600677.96	4134094.35	46.82023
600684.70 (00011224)	4134104.62	46.60214 (00011224)	600691.44	4134114.90	46.45669
600708.28 (99122824)	4134140.58	56.32835 (99122824)	600710.71	4134151.79	59.78901
600707.91 (99122824)	4134170.00	63.46895 (99122824)	600702.30	4134206.43	68.08012
600702.49 (99122824)	4134107.43	46.85415 (00011224)	600709.09	4134117.50	50.79253
600715.70 (99122824)	4134127.58	55.00685 (99122824)	600724.69	4134148.64	62.15646

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE A-1744

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI		IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
(YYMMDDHH)							
600722.86	4134160.54	64.35253	(99122824)	600654.47	4134046.27	44.94104	
(00011224)							
600644.47	4134039.07	45.88013	(99123024)	600697.32	4134075.22	47.65533	
(00011224)							
600733.07	4134129.74	59.79265	(99122824)	600738.66	4134145.51	64.36605	
(99122824)							
600735.96	4134163.09	67.02792	(99122824)	600734.16	4134174.81	68.45014	
(99122824)							
600731.45	4134192.38	70.02957	(99122824)	600667.82	4134038.27	46.56983	
(00011224)							
600657.82	4134031.07	45.18616	(99123024)	600689.53	4134039.02	48.48351	
(00011224)							
600696.27	4134049.29	48.52938	(00011224)	600703.01	4134059.57	48.17899	
(00011224)							
600723.21	4134090.39	47.59026	(99122824)	600752.59	4134142.70	66.47460	
(99122824)							
600750.72	4134154.84	68.06549	(99122824)	600747.92	4134173.05	69.92500	
(99122824)							
600746.05	4134185.20	70.76565	(99122824)	600671.17	4134023.08	45.10401	
(00011224)							
600661.17	4134015.88	45.87922	(99123024)	600697.83	4134027.35	48.54620	
(00011224)							
600717.73	4134057.70	48.28971	(00011224)	600724.37	4134067.82	48.09221	
(00011224)							
600731.00	4134077.94	47.89974	(00011224)	600747.58	4134103.24	57.15660	
(99122824)							
600754.22	4134113.36	61.03301	(99122824)	600764.73	4134151.53	69.69022	
(99122824)							
600762.89	4134163.49	70.75384	(99122824)	600760.13	4134181.43	71.78048	
(99122824)							
600758.29	4134193.39	72.09314	(99122824)	600755.53	4134211.33	71.82970	
(99122824)							
600679.51	4134011.49	45.06617	(00011224)	600669.51	4134004.29	45.89114	
(99123024)							
600706.14	4134015.69	48.80045	(00011224)	600712.68	4134025.68	49.09594	
(00011224)							
600719.23	4134035.67	48.88185	(00011224)	600742.15	4134070.63	48.09891	
(00011224)							
600748.70	4134080.62	51.85799	(99122824)	600755.25	4134090.61	56.03422	
(99122824)							
600776.00	4134165.98	72.22928	(99122824)	600771.46	4134195.49	72.65622	
(99122824)							
600687.86	4133999.89	45.15492	(00011224)	600677.86	4133992.69	45.90660	
(99123024)							
600721.49	4133994.41	48.57891	(00011224)	600728.08	4134004.46	49.08644	
(00011224)							
600734.66	4134014.50	49.31918	(00011224)	600741.25	4134024.55	49.18481	
(00011224)							
600747.83	4134034.59	48.96585	(00011224)	600754.42	4134044.64	48.71256	
(00011224)							
600761.00	4134054.68	48.36024	(00011224)	600767.59	4134064.72	52.70555	
(99122824)							
600774.17	4134074.77	56.89441	(99122824)	600797.22	4134109.93	68.80538	
(99122824)							
600803.81	4134119.97	71.11753	(99122824)	600806.18	4134130.93	72.46993	

(99122824)	600703.20	4133978.59	45.18197	(00011224)	600693.20	4133971.39	45.91771
(99123024)	600736.84	4133973.13	48.51849	(00011224)	600743.46	4133983.22	48.82185
(00011224)	600750.07	4133993.31	48.99913	(00011224)	600756.69	4134003.40	49.15748
(00011224)	600763.30	4134013.49	49.28376	(00011224)	600769.92	4134023.58	49.09786
(00011224)	600776.53	4134033.67	48.64068	(00011224)	600783.14	4134043.76	51.26232
(99122824)	600789.76	4134053.84	55.63299	(99122824)	600796.37	4134063.93	59.66981
(99122824)	600802.99	4134074.02	63.35651	(99122824)	600809.60	4134084.11	66.64175
(99122824)	600816.21	4134094.20	69.45221	(99122824)	600822.83	4134104.29	71.70322
(99122824)	600829.44	4134114.38	73.32027	(99122824)	600830.00	4134137.31	74.27539
(99122824)	600828.16	4134149.23	73.92515	(99122824)	600708.54	4133950.09	45.89092
(99123024)	600752.19	4133951.85	48.63496	(00011224)	600758.83	4133961.97	49.05986
(00011224)	600765.47	4133972.10	49.08761	(00011224)	600772.11	4133982.22	48.93228
(00011224)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600778.75	4133992.35	48.85285	(00011224)	600785.38	4134002.47	48.65544
(00011224)						
600792.02	4134012.60	48.21278	(00011224)	600798.66	4134022.72	49.35143
(99122824)						
600805.30	4134032.85	53.93641	(99122824)	600811.94	4134042.98	58.19420
(99122824)						
600818.57	4134053.10	62.00966	(99122824)	600825.21	4134063.23	65.49820
(99122824)						
600831.85	4134073.35	68.65537	(99122824)	600838.49	4134083.48	71.10631
(99122824)						
600845.13	4134093.60	72.95003	(99122824)	600851.76	4134103.73	74.25818
(99122824)						
600857.48	4134119.84	74.46450	(99122824)	600855.64	4134131.80	73.99853
(99122824)						
600723.87	4133928.78	45.79922	(99123024)	600767.54	4133930.56	48.70503
(00011224)						
600774.20	4133940.72	49.21292	(00011224)	600780.86	4133950.87	49.31492
(00011224)						
600787.52	4133961.03	49.19273	(00011224)	600794.17	4133971.18	48.94281
(00011224)						

600800.83 (00011224)	4133981.34	48.56689	(00011224)	600807.49	4133991.49	48.02477
600814.15 (99122824)	4134001.65	47.52234	(99122824)	600820.80	4134011.80	52.15865
600827.46 (99122824)	4134021.96	56.50922	(99122824)	600834.12	4134032.12	60.48711
600840.78 (99122824)	4134042.27	64.09501	(99122824)	600847.44	4134052.43	67.31913
600854.09 (99122824)	4134062.58	70.02698	(99122824)	600860.75	4134072.74	72.08468
600867.41 (99122824)	4134082.89	73.59883	(99122824)	600874.07	4134093.05	74.47814
600880.73 (99122824)	4134103.20	74.48060	(99122824)	600883.13	4134114.28	73.80306
600881.28 (99123024)	4134126.29	72.86393	(99122824)	600739.21	4133907.48	45.62382
600570.85 (98121716)	4134130.11	63.69620	(98121716)	600562.60	4134121.21	60.03917
600575.45 (98121716)	4134124.42	61.09780	(98121716)	600561.38	4134114.07	57.63789
600573.71 (98121716)	4134117.15	59.01515	(98121716)	600547.81	4134109.11	53.29816
600568.64 (98121716)	4134109.04	56.90560	(98121716)	600583.02	4134112.63	56.64773
600534.86 (98121716)	4134108.81	49.18209	(98121716)	600541.01	4134105.33	50.50573
600547.15 (98121716)	4134101.86	51.58179	(98121716)	600560.14	4134100.09	53.99163
600566.99 (98121716)	4134101.79	55.10947	(98121716)	600573.84	4134103.50	55.60058
600580.69 (98121716)	4134105.21	55.45306	(98121716)	600587.54	4134106.92	54.71212
600507.15 (98011024)	4134130.81	43.28584	(98011024)	600502.50	4134136.59	43.54151
600497.86 (98011024)	4134142.38	43.59272	(98011024)	600493.22	4134148.16	43.42751
600488.58 (98011024)	4134153.95	43.10007	(98011024)	600483.93	4134159.74	42.66890
600479.29 (98011024)	4134165.52	42.18531	(98011024)	600474.65	4134171.31	41.64563
600470.00 (98011024)	4134177.09	41.02362	(98011024)	600465.36	4134182.88	40.34880
600460.72 (00120716)	4134188.66	39.87073	(00120716)	600456.08	4134194.45	39.51914
600451.43 (98121716)	4134200.24	39.08670	(00120716)	600528.63	4134104.71	46.42240
600534.56 (98121716)	4134101.36	47.77505	(98121716)	600546.41	4134094.65	50.02303
600558.94 (98121716)	4134092.95	52.36571	(98121716)	600572.14	4134096.24	54.13764
600585.35 (98011024)	4134099.54	53.81952	(98121716)	600501.58	4134126.34	43.70340
600496.93 (98011024)	4134132.12	43.76461	(98011024)	600492.29	4134137.91	43.62274
600487.65 (98011024)	4134143.69	43.32298	(98011024)	600483.00	4134149.48	42.91142
600478.36 (98011024)	4134155.27	42.43201	(98011024)	600473.72	4134161.05	41.94175
600469.08 (98011024)	4134166.84	41.32205	(98011024)	600464.43	4134172.62	40.61561

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600459.79 (98011024)	4134178.41	39.88385 (98011024)	(98011024)	600455.15	4134184.19	39.10719
600450.50 (00120716)	4134189.98	38.27020 (98011024)	(98011024)	600445.86	4134195.77	37.77229
600522.57 (98121716)	4134100.52	43.80799 (98121716)	(98121716)	600534.09	4134094.00	46.45100
600545.61 (98121716)	4134087.48	48.60406 (98121716)	(98121716)	600557.79	4134085.83	50.89654
600570.63 (98121716)	4134089.03	52.79112 (98121716)	(98121716)	600583.47	4134092.23	52.90772
600496.01 (98011024)	4134121.87	43.92947 (98011024)	(98011024)	600491.36	4134127.65	43.81269
600486.72 (98011024)	4134133.44	43.53639 (98011024)	(98011024)	600482.08	4134139.22	43.14342
600477.43 (98011024)	4134145.01	42.67004 (98011024)	(98011024)	600472.79	4134150.80	42.15948
600468.15 (98011024)	4134156.58	41.54039 (98011024)	(98011024)	600463.51	4134162.37	40.86356
600458.86 (98011024)	4134168.15	40.11966 (98011024)	(98011024)	600454.22	4134173.94	39.32715
600449.58 (98011024)	4134179.72	38.47694 (98011024)	(98011024)	600444.93	4134185.51	37.56378
600440.29 (98011024)	4134191.30	36.58855 (98011024)	(98011024)	600512.39	4134098.66	42.86638
600525.06 (98121716)	4134091.49	43.35203 (98121716)	(98121716)	600537.73	4134084.32	46.04849
600544.07 (98121716)	4134080.73	47.18513 (98121716)	(98121716)	600564.53	4134080.67	50.97669
600578.66 (98121716)	4134084.19	52.03083 (98121716)	(98121716)	600592.78	4134087.71	51.12368
600599.85 (98011024)	4134089.48	50.08882 (98121716)	(98121716)	600490.43	4134117.40	43.99690
600485.79 (98011024)	4134123.18	43.74028 (98011024)	(98011024)	600481.15	4134128.97	43.36369
600476.51 (98011024)	4134134.75	42.89912 (98011024)	(98011024)	600471.86	4134140.54	42.37232
600467.22 (98011024)	4134146.32	41.76642 (98011024)	(98011024)	600462.58	4134152.11	41.08963
600457.93 (98011024)	4134157.90	40.35195 (98011024)	(98011024)	600453.29	4134163.68	39.53820
600448.65 (98011024)	4134169.47	38.67468 (98011024)	(98011024)	600444.01	4134175.25	37.75845
600439.36 (98011024)	4134181.04	36.77898 (98011024)	(98011024)	600434.72	4134186.82	35.73495
600506.44 (98011024)	4134094.40	43.61239 (98011024)	(98011024)	600512.58	4134090.93	42.87187
600518.72 (98121716)	4134087.45	41.87908 (98011024)	(98011024)	600524.87	4134083.97	42.31885
600531.01	4134080.50	43.64440 (98121716)	(98121716)	600537.15	4134077.02	44.87924

(98121716)	600543.30	4134073.54	45.97453	(98121716)	600556.29	4134071.78	48.45852
(98121716)	600563.14	4134073.48	49.74004	(98121716)	600569.99	4134075.19	50.58668
(98121716)	600576.84	4134076.90	51.02806	(98121716)	600583.69	4134078.61	51.03616
(98121716)	600590.54	4134080.32	50.62332	(98121716)	600597.39	4134082.02	49.85332
(98121716)	600604.23	4134083.73	48.78642	(98121716)	600484.86	4134112.93	43.93556
(98011024)	600480.22	4134118.71	43.57438	(98011024)	600475.58	4134124.50	43.11762
(98011024)	600470.93	4134130.28	42.58999	(98011024)	600466.29	4134136.07	41.98826
(98011024)	600461.65	4134141.85	41.32116	(98011024)	600457.01	4134147.64	40.58321
(98011024)	600452.36	4134153.43	39.77076	(98011024)	600447.72	4134159.21	38.88926
(98011024)	600443.08	4134165.00	37.95031	(98011024)	600438.43	4134170.78	36.96677
(98011024)	600433.79	4134176.57	35.91978	(98011024)	600429.15	4134182.35	34.80609
(98011024)	600500.56	4134090.11	44.13430	(98011024)	600512.54	4134083.33	42.90604
(98121716)	600524.52	4134076.55	41.30925	(98121716)	600536.50	4134069.77	43.76713
(98121716)	600555.16	4134064.66	47.28892	(98121716)	600568.51	4134067.99	49.49892
(98121716)	600575.19	4134069.65	50.06386	(98121716)	600588.55	4134072.98	50.05976

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** **
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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600595.22	4134074.65	49.50841	(98121716)	600608.58	4134077.98	47.60764
(98121716)						
600479.29	4134108.46	43.76804	(98011024)	600474.65	4134114.24	43.32701
(98011024)						
600470.01	4134120.03	42.79213	(98011024)	600465.36	4134125.81	42.18409
(98011024)						
600460.72	4134131.60	41.52873	(98011024)	600456.08	4134137.38	40.81075
(98011024)						
600451.44	4134143.17	40.00522	(98011024)	600446.79	4134148.96	39.12046
(98011024)						
600442.15	4134154.74	38.16655	(98011024)	600437.51	4134160.53	37.16221
(98011024)						
600432.86	4134166.31	36.10102	(98011024)	600428.22	4134172.10	34.98548
(98011024)						

600423.58 (98011024)	4134177.88	33.81031 (98011024)	600502.36	4134081.46	44.07967
600515.26 (98121716)	4134074.16	42.50878 (98011024)	600528.16	4134066.86	41.20174
600541.06 (98121716)	4134059.56	43.65978 (98121716)	600554.71	4134057.71	46.32183
600561.90 (98121716)	4134059.50	47.69631 (98121716)	600583.47	4134064.88	49.50262
600605.05 (98121716)	4134070.26	47.79277 (98121716)	600612.24	4134072.05	46.63508
600473.72 (98011024)	4134103.98	43.51268 (98011024)	600469.08	4134109.77	42.98698
600464.44 (98011024)	4134115.56	42.37696 (98011024)	600459.79	4134121.34	41.71376
600455.15 (98011024)	4134127.13	40.99709 (98011024)	600450.51	4134132.91	40.22035
600445.86 (98011024)	4134138.70	39.35898 (98011024)	600441.22	4134144.48	38.38835
600436.58 (98011024)	4134150.27	37.36477 (98011024)	600431.94	4134156.06	36.29328
600427.29 (98011024)	4134161.84	35.16627 (98011024)	600422.65	4134167.63	33.98811
600418.01 (98011024)	4134173.41	32.75533 (98011024)	600484.15	4134076.52	44.61951
600490.30 (98011024)	4134073.04	44.71946 (98011024)	600496.44	4134069.57	44.57673
600502.58 (98011024)	4134066.09	44.17475 (98011024)	600508.73	4134062.62	43.51065
600514.87 (98011024)	4134059.14	42.60032 (98011024)	600521.01	4134055.66	41.46606
600527.16 (98121716)	4134052.19	40.11078 (98011024)	600533.30	4134048.71	40.55047
600539.44 (98121716)	4134045.23	41.67470 (98121716)	600552.44	4134043.47	44.23947
600559.29 (98121716)	4134045.17	45.61699 (98121716)	600566.14	4134046.88	46.73057
600572.98 (98121716)	4134048.59	47.52356 (98121716)	600579.83	4134050.30	48.01190
600586.68 (98121716)	4134052.01	48.16937 (98121716)	600593.53	4134053.71	47.99589
600600.38 (98121716)	4134055.42	47.53046 (98121716)	600607.23	4134057.13	46.78187
600614.08 (99123024)	4134058.84	46.31929 (99123024)	600620.93	4134060.55	46.47588
600462.58 (98011024)	4134095.04	42.68620 (98011024)	600457.94	4134100.83	42.03906
600453.29 (98011024)	4134106.62	41.34484 (98011024)	600448.65	4134112.40	40.55457
600444.01 (98011024)	4134118.19	39.70150 (98011024)	600439.37	4134123.97	38.75466
600434.72 (98011024)	4134129.76	37.73648 (98011024)	600430.08	4134135.54	36.66096
600425.44 (98011024)	4134141.33	35.52508 (98011024)	600420.79	4134147.12	34.33494
600416.15 (98011024)	4134152.90	33.09964 (98011024)	600411.51	4134158.69	31.81610
600406.87 (98011024)	4134164.47	30.48896 (98011024)	600467.10	4134070.92	43.78118
600473.48 (98011024)	4134067.31	44.34830 (98011024)	600479.86	4134063.70	44.74464
600486.24 (98011024)	4134060.09	44.93603 (98011024)	600492.62	4134056.48	44.88483
600499.00 (98011024)	4134052.87	44.56966 (98011024)	600505.38	4134049.26	43.97882

600511.76 4134045.65 43.12271 (98011024) 600518.14 4134042.04 42.01429
 (98011024)

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600524.52 (98011024)	4134038.43	40.65841 (98011024)		600530.90	4134034.82	39.05977
600537.28 (98121716)	4134031.21	39.75840 (98121716)		600550.77	4134029.38	42.44785
600557.89 (98121716)	4134031.15	43.90339 (98121716)		600565.00	4134032.92	45.12054
600572.11 (98121716)	4134034.70	46.03772 (98121716)		600579.22	4134036.47	46.66819
600586.34 (98121716)	4134038.24	46.98415 (98121716)		600593.45	4134040.02	46.97562
600446.79 (98011024)	4134091.89	40.82854 (98011024)		600442.15	4134097.67	39.97525
600437.51 (98011024)	4134103.46	39.04904 (98011024)		600432.87	4134109.25	38.04758
600428.22 (98011024)	4134115.03	36.97445 (98011024)		600423.58	4134120.82	35.84690
600418.94 (98011024)	4134126.60	34.66605 (98011024)		600414.29	4134132.39	33.43312
600409.65 (98011024)	4134138.17	32.14858 (98011024)		600405.01	4134143.96	30.81836
600400.37 (98011024)	4134149.75	29.45187 (98011024)		600395.72	4134155.53	28.05306
600474.16 (98011024)	4134051.69	44.74386 (98011024)		600480.30	4134048.21	45.05779
600486.44 (98011024)	4134044.73	45.16987 (98011024)		600492.59	4134041.26	45.05733
600498.73 (98011024)	4134037.78	44.70166 (98011024)		600504.87	4134034.30	44.10009
600511.02 (98011024)	4134030.83	43.25352 (98011024)		600517.16	4134027.35	42.17260
600523.30 (98011024)	4134023.88	40.85923 (98011024)		600529.45	4134020.40	39.30647
600535.59 (98121716)	4134016.92	38.05018 (98121716)		600548.58	4134015.16	40.65311
600555.43 (99123024)	4134016.86	42.08396 (98121716)		600617.08	4134032.23	45.05570
600623.92 (99123024)	4134033.94	46.26097 (99123024)		600630.77	4134035.65	46.70519
600637.62 (98011024)	4134037.36	46.50878 (99123024)		600444.78	4134053.06	41.73515
600451.11 (98011024)	4134049.48	42.68739 (98011024)		600457.45	4134045.89	43.52449
600489.12	4134027.97	45.33260 (98011024)		600495.46	4134024.39	45.04581

(98011024)	600501.80	4134020.80	44.50203	(98011024)	600508.13	4134017.22	43.70069
(98011024)	600514.47	4134013.63	42.64399	(98011024)	600520.80	4134010.05	41.33816
(98011024)	600527.14	4134006.46	39.77438	(98011024)	600533.47	4134002.88	37.96245
(98011024)	600575.12	4134008.10	43.86591	(98121716)	600582.19	4134009.86	44.53743
(98121716)	600589.25	4134011.62	44.94156	(98121716)	600596.31	4134013.38	45.09102
(98121716)	600603.38	4134015.14	44.98686	(98121716)	600610.44	4134016.91	44.62519
(98121716)	600617.50	4134018.67	44.01916	(98121716)	600624.57	4134020.43	45.49027
(99123024)	600631.63	4134022.19	46.51839	(99123024)	600638.69	4134023.95	46.81401
(99123024)	600645.76	4134025.71	46.53007	(99123024)	600424.51	4134074.01	37.63701
(98011024)	600419.87	4134079.79	36.50176	(98011024)	600415.23	4134085.58	35.31288
(98011024)	600410.58	4134091.36	34.07444	(98011024)	600405.94	4134097.15	32.78534
(98011024)	600401.30	4134102.93	31.45362	(98011024)	600396.65	4134108.72	30.08132
(98011024)	600392.01	4134114.51	28.68091	(98011024)	600387.37	4134120.29	27.25693
(98011024)	600382.73	4134126.08	25.81421	(98011024)	600378.08	4134131.86	24.35819
(98011024)	600373.44	4134137.65	22.90017	(98011024)	600433.44	4134044.23	40.23035
(98011024)	600439.59	4134040.76	41.33373	(98011024)	600445.73	4134037.28	42.33233
(98011024)	600451.87	4134033.80	43.22212	(98011024)	600458.02	4134030.33	43.99731
(98011024)	600464.16	4134026.85	44.64113	(98011024)	600470.30	4134023.38	45.13637

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** **
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600501.02	4134005.99	44.63911	(98011024)	600507.16	4134002.52	43.84718
(98011024)						
600513.31	4133999.04	42.81139	(98011024)	600519.45	4133995.57	41.53749
(98011024)						
600544.73	4133986.85	37.41689	(98121716)	600551.58	4133988.55	38.84032
(98121716)						
600558.43	4133990.26	40.15296	(98121716)	600565.28	4133991.97	41.32911
(98121716)						

600572.13 (98121716)	4133993.68	42.33227 (98121716)	(98121716)	600578.98	4133995.38	43.14012
600585.83 (98121716)	4133997.09	43.73820 (98121716)	(98121716)	600592.68	4133998.80	44.11131
600599.52 (98121716)	4134000.51	44.26283 (98121716)	(98121716)	600606.37	4134002.22	44.17697
600613.22 (98121716)	4134003.92	43.86307 (98121716)	(98121716)	600620.07	4134005.63	43.33612
600626.92 (99123024)	4134007.34	44.78812 (99123024)	(99123024)	600633.77	4134009.05	46.13323
600640.62 (99123024)	4134010.76	46.80394 (99123024)	(99123024)	600647.47	4134012.46	46.88261
600654.32 (98011024)	4134014.17	46.51550 (99123024)	(99123024)	600427.30	4134047.71	39.02890
600413.37 (98011024)	4134065.07	35.62403 (98011024)	(98011024)	600408.73	4134070.85	34.38084
600404.08 (98011024)	4134076.64	33.08827 (98011024)	(98011024)	600399.44	4134082.42	31.75501
600394.80 (98011024)	4134088.21	30.38439 (98011024)	(98011024)	600390.16	4134093.99	28.98353
600385.51 (98011024)	4134099.78	27.55445 (98011024)	(98011024)	600380.87	4134105.57	26.11017
600376.23 (98011024)	4134111.35	24.65552 (98011024)	(98011024)	600371.58	4134117.14	23.19420
600366.94 (00120716)	4134122.92	21.73790 (98011024)	(98011024)	600362.30	4134128.71	20.66425
600422.46 (98011024)	4134035.20	38.50880 (98011024)	(98011024)	600428.77	4134031.63	39.80754
600435.07 (98011024)	4134028.06	40.99957 (98011024)	(98011024)	600441.38	4134024.50	42.08508
600447.68 (98011024)	4134020.93	43.05679 (98011024)	(98011024)	600453.99	4134017.36	43.90829
600460.29 (98011024)	4134013.79	44.62439 (98011024)	(98011024)	600466.60	4134010.23	45.18972
600472.90 (98011024)	4134006.66	45.58066 (98011024)	(98011024)	600479.21	4134003.09	45.77556
600485.51 (98011024)	4133999.52	45.75268 (98011024)	(98011024)	600529.65	4133974.55	38.68474
600542.99 (99122524)	4133972.73	36.33915 (99122524)	(99122524)	600550.01	4133974.49	37.79256
600557.04 (98121716)	4133976.24	38.97572 (99122524)	(99122524)	600564.07	4133977.99	40.01135
600571.10 (98121716)	4133979.75	41.08233 (98121716)	(98121716)	600578.13	4133981.50	41.97939
600585.16 (98121716)	4133983.25	42.68248 (98121716)	(98121716)	600592.19	4133985.00	43.17418
600599.22 (98121716)	4133986.76	43.43884 (98121716)	(98121716)	600606.25	4133988.51	43.47285
600613.28 (98121716)	4133990.26	43.28253 (98121716)	(98121716)	600620.31	4133992.02	42.87204
600627.34 (99123024)	4133993.77	43.38331 (99123024)	(99123024)	600634.37	4133995.52	45.23627
600641.40 (99123024)	4133997.28	46.42359 (99123024)	(99123024)	600648.43	4133999.03	46.96185
600655.46 (99123024)	4134000.78	46.94604 (99123024)	(99123024)	600662.48	4134002.53	46.53369
600416.16 (98011024)	4134038.77	37.11550 (98011024)	(98011024)	600402.23	4134056.12	33.38404
600397.58 (98011024)	4134061.91	32.04632 (98011024)	(98011024)	600392.94	4134067.70	30.67563
600388.30 (98011024)	4134073.48	29.27462 (98011024)	(98011024)	600383.66	4134079.27	27.84805
600379.01 (98011024)	4134085.05	26.40080 (98011024)	(98011024)	600374.37	4134090.84	24.94460

600369.73 (98011024)	4134096.62	23.48453	(98011024)	600365.08	4134102.41	22.02527
600360.44 (00120716)	4134108.20	20.57773	(98011024)	600355.80	4134113.98	19.50263
600351.16 (98011024)	4134119.77	18.82793	(00120716)	600411.47	4134026.18	36.53191
600417.92 (98011024)	4134022.53	38.01428	(98011024)	600424.37	4134018.88	39.39575

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** ***
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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600430.82 (98011024)	4134015.23	40.67234 (98011024)		600437.27	4134011.58	41.83924
600443.72 (98011024)	4134007.93	42.88959 (98011024)		600450.17	4134004.28	43.81293
600456.62 (98011024)	4134000.63	44.59918 (98011024)		600463.07	4133996.98	45.22817
600469.52 (98011024)	4133993.33	45.68220 (98011024)		600475.97	4133989.68	45.93687
600482.42 (98011024)	4133986.03	45.97044 (98011024)		600488.87	4133982.38	45.76807
600495.32 (98011024)	4133978.73	45.31226 (98011024)		600527.58	4133960.48	39.08003
600541.22 (99122524)	4133958.62	35.58020 (99122524)		600548.41	4133960.41	37.17182
600555.60 (99122524)	4133962.21	38.51746 (99122524)		600562.80	4133964.00	39.53417
600569.99 (98121716)	4133965.79	40.14576 (99122524)		600577.18	4133967.59	40.85485
600584.37 (98121716)	4133969.38	41.64448 (98121716)		600591.56	4133971.17	42.23197
600598.75 (98121716)	4133972.97	42.60650 (98121716)		600605.95	4133974.76	42.75859
600613.14 (98121716)	4133976.55	42.68492 (98121716)		600620.33	4133978.35	42.39256
600627.52 (99123024)	4133980.14	41.88647 (98121716)		600634.71	4133981.93	43.94090
600641.90 (99123024)	4133983.73	45.63748 (99123024)		600649.09	4133985.52	46.67078
600656.29 (99123024)	4133987.31	47.08813 (99123024)		600663.48	4133989.11	46.99715
600670.67 (98011024)	4133990.90	46.55195 (99123024)		600405.01	4134029.83	34.95985
600386.44 (98011024)	4134052.97	29.55712 (98011024)		600381.80	4134058.75	28.13127
600377.16 (98011024)	4134064.54	26.68652 (98011024)		600372.51	4134070.33	25.22872
600367.87	4134076.11	23.76811 (98011024)		600363.23	4134081.90	22.31122

(98011024)	600358.59	4134087.68	20.86427	(98011024)	600353.94	4134093.47	19.43131
(98011024)	600349.30	4134099.25	18.42070	(00120716)	600344.66	4134105.04	17.77258
(00120716)	600340.01	4134110.83	17.43596	(98122824)	600390.89	4134009.81	32.25985
(98011024)	600397.23	4134006.22	33.94235	(98011024)	600403.58	4134002.63	35.56172
(98011024)	600409.92	4133999.04	37.10069	(98011024)	600416.27	4133995.44	38.55208
(98011024)	600422.61	4133991.85	39.90846	(98011024)	600428.96	4133988.26	41.16189
(98011024)	600435.31	4133984.67	42.30883	(98011024)	600441.65	4133981.08	43.33708
(98011024)	600448.00	4133977.49	44.23949	(98011024)	600454.34	4133973.90	45.00039
(98011024)	600460.69	4133970.31	45.60621	(98011024)	600467.03	4133966.72	46.03762
(98011024)	600492.42	4133952.36	45.65780	(98011024)	600498.76	4133948.77	44.96805
(98011024)	600505.11	4133945.18	44.02196	(98011024)	600511.45	4133941.59	42.82017
(98011024)	600517.80	4133938.00	41.36191	(98011024)	600524.14	4133934.41	39.66588
(98011024)	600544.64	4133934.34	35.68110	(99122524)	600551.71	4133936.11	37.22730
(99122524)	600558.79	4133937.87	38.53783	(99122524)	600565.86	4133939.64	39.53841
(99122524)	600572.94	4133941.40	40.15981	(99122524)	600580.01	4133943.17	40.34790
(99122524)	600587.08	4133944.93	40.21561	(98121716)	600594.16	4133946.69	40.82506
(98121716)	600601.23	4133948.46	41.24781	(98121716)	600608.31	4133950.22	41.48264
(98121716)	600615.38	4133951.99	41.52485	(98121716)	600622.46	4133953.75	41.37095
(98121716)	600629.53	4133955.51	41.02639	(98121716)	600636.60	4133957.28	41.33045
(99123024)	600643.68	4133959.04	43.60474	(99123024)	600650.75	4133960.81	45.35337
(99123024)	600657.83	4133962.57	46.51757	(99123024)	600664.90	4133964.33	47.12992
(99123024)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600671.98	4133966.10	47.26217	(99123024)	600679.05	4133967.86	47.02043
(99123024)						

600686.12 (98011024)	4133969.63	46.53443	(99123024)	600384.54	4134013.40	30.51631
600379.90 (98011024)	4134019.18	29.09914	(98011024)	600365.97	4134036.54	24.75194
600361.33 (98011024)	4134042.33	23.29529	(98011024)	600356.68	4134048.11	21.84341
600352.04 (98011024)	4134053.90	20.40841	(98011024)	600347.40	4134059.68	18.99787
600342.76 (00120716)	4134065.47	17.61231	(98011024)	600338.11	4134071.25	16.72390
600333.47 (00120716)	4134077.04	16.11993	(00120716)	600328.83	4134082.83	15.51110
600324.18 (98122824)	4134088.61	16.57505	(98122824)	600319.54	4134094.40	17.96608
600370.33 (98011024)	4133993.42	27.51595	(98011024)	600376.60	4133989.88	29.30242
600382.86 (98011024)	4133986.33	31.05878	(98011024)	600389.13	4133982.79	32.77140
600395.39 (98011024)	4133979.24	34.43217	(98011024)	600401.66	4133975.70	36.02600
600407.92 (98011024)	4133972.16	37.54218	(98011024)	600414.19	4133968.61	38.97459
600420.45 (98011024)	4133965.07	40.31449	(98011024)	600426.71	4133961.52	41.55507
600432.98 (98011024)	4133957.98	42.68770	(98011024)	600439.24	4133954.43	43.70388
600445.51 (98011024)	4133950.89	44.59188	(98011024)	600464.30	4133940.25	46.35013
600470.57 (98011024)	4133936.71	46.58029	(98011024)	600476.83	4133933.16	46.60564
600483.10 (98011024)	4133929.62	46.41095	(98011024)	600489.36	4133926.07	45.98714
600495.63 (98011024)	4133922.53	45.32239	(98011024)	600501.89	4133918.99	44.41332
600508.16 (98011024)	4133915.44	43.25581	(98011024)	600514.42	4133911.90	41.85815
600520.69 (98011024)	4133908.35	40.22550	(98011024)	600533.93	4133906.55	36.21577
600540.92 (99122524)	4133908.29	34.01805	(99122524)	600561.87	4133913.51	38.48630
600568.85 (99122524)	4133915.26	39.47685	(99122524)	600575.84	4133917.00	40.11297
600582.82 (99122524)	4133918.74	40.34541	(99122524)	600589.81	4133920.48	40.14451
600596.79 (98121716)	4133922.22	39.51872	(98121716)	600603.78	4133923.96	39.98190
600610.76 (98121716)	4133925.71	40.27920	(98121716)	600617.74	4133927.45	40.40608
600624.73 (98121716)	4133929.19	40.36036	(98121716)	600631.71	4133930.93	40.14306
600638.70 (99123024)	4133932.67	39.76120	(98121716)	600645.68	4133934.41	41.00933
600652.66 (99123024)	4133936.15	43.25707	(99123024)	600659.65	4133937.90	45.03538
600666.63 (99123024)	4133939.64	46.30705	(99123024)	600673.62	4133941.38	47.07141
600680.60 (99123024)	4133943.12	47.38714	(99123024)	600687.58	4133944.86	47.32889
600694.57 (99123024)	4133946.60	46.99951	(99123024)	600701.55	4133948.35	46.49423
600364.07 (98011024)	4133996.97	25.71559	(98011024)	600359.43	4134002.75	24.26225
600345.50 (98011024)	4134020.11	19.95819	(98011024)	600340.85	4134025.90	18.56355

600336.21 (98011024)	4134031.68	17.20793	(98011024)	600331.57	4134037.47	15.89135
600326.93 (00120716)	4134043.25	15.23036	(00120716)	600322.28	4134049.04	14.66892
600317.64 (98122824)	4134054.83	14.10529	(00120716)	600313.00	4134060.61	14.44402
600308.35 (98122824)	4134066.40	15.74420	(98122824)	600303.71	4134072.18	17.07570
600299.07 (98011024)	4134077.97	18.42495	(98122824)	600350.02	4133976.91	22.71566
600356.44 (98011024)	4133973.27	24.54935	(98011024)	600362.86	4133969.64	26.39596
600369.28 (98011024)	4133966.00	28.23807	(98011024)	600375.70	4133962.37	30.05726

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 ***
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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600382.13 (98011024)	4133958.74	31.84921 (98011024)	600388.55	4133955.10	33.58865
600394.97 (98011024)	4133951.47	35.26966 (98011024)	600401.39	4133947.84	36.88020
600407.81 (98011024)	4133944.20	38.40799 (98011024)	600414.24	4133940.57	39.84808
600420.66 (98011024)	4133936.94	41.18476 (98011024)	600439.92	4133926.03	44.49482
600446.35 (98011024)	4133922.40	45.32701 (98011024)	600452.77	4133918.77	45.99700
600459.19 (98011024)	4133915.13	46.49434 (98011024)	600465.61	4133911.50	46.79756
600472.03 (98011024)	4133907.87	46.89314 (98011024)	600478.46	4133904.23	46.76619
600484.88 (98011024)	4133900.60	46.40051 (98011024)	600491.30	4133896.96	45.78789
600497.72 (98011024)	4133893.33	44.92272 (98011024)	600504.14	4133889.70	43.79976
600510.57 (98011024)	4133886.06	42.42769 (98011024)	600516.99	4133882.43	40.81669
600530.57 (98011024)	4133880.58	36.83052 (98011024)	600537.73	4133882.37	34.48713
600544.89 (99122524)	4133884.15	34.17778 (99122524)	600552.05	4133885.94	35.86154
600573.53 (99122524)	4133891.29	39.51027 (99122524)	600580.69	4133893.08	40.08219
600587.85 (99122524)	4133894.86	40.24095 (99122524)	600595.00	4133896.65	40.00922
600602.16 (98121716)	4133898.43	39.30026 (99122524)	600609.32	4133900.22	38.95611
600616.48	4133902.01	39.24512 (98121716)	600623.64	4133903.79	39.36810

(98121716)							
600630.80	4133905.58	39.32945	(98121716)	600637.96	4133907.36	39.12653	
(98121716)							
600645.12	4133909.15	38.76428	(98121716)	600652.28	4133910.93	39.79397	
(99123024)							
600659.44	4133912.72	42.22113	(99123024)	600666.60	4133914.50	44.22175	
(99123024)							
600673.76	4133916.29	45.74799	(99123024)	600680.92	4133918.07	46.77899	
(99123024)							
600688.08	4133919.86	47.34784	(99123024)	600695.24	4133921.64	47.50884	
(99123024)							
600702.40	4133923.43	47.35414	(99123024)	600709.56	4133925.21	46.96829	
(99123024)							
600716.72	4133927.00	46.42917	(99123024)	600343.59	4133980.54	20.90534	
(98011024)							
600338.95	4133986.32	19.50928	(98011024)	600334.31	4133992.11	18.14522	
(98011024)							
600320.38	4134009.47	14.41740	(00120716)	600315.74	4134015.25	13.90989	
(00120716)							
600311.09	4134021.04	13.39148	(00120716)	600306.45	4134026.82	12.86886	
(00120716)							
600301.81	4134032.61	12.50937	(98122824)	600297.17	4134038.40	13.69954	
(98122824)							
600292.52	4134044.18	14.93689	(98122824)	600287.88	4134049.97	16.21123	
(98122824)							
600283.24	4134055.75	17.50980	(98122824)	600278.59	4134061.54	18.82033	
(98122824)							
600329.47	4133960.52	18.06984	(98011024)	600335.82	4133956.93	19.76941	
(98011024)							
600342.16	4133953.34	21.51472	(98011024)	600348.51	4133949.75	23.30621	
(98011024)							
600354.86	4133946.15	25.11917	(98011024)	600361.20	4133942.56	26.93446	
(98011024)							
600367.55	4133938.97	28.74987	(98011024)	600373.90	4133935.38	30.54620	
(98011024)							
600380.24	4133931.79	32.30288	(98011024)	600386.59	4133928.20	34.02008	
(98011024)							
600392.94	4133924.61	35.67823	(98011024)	600399.28	4133921.02	37.26505	
(98011024)							
600418.32	4133910.24	41.51423	(98011024)	600424.67	4133906.65	42.72633	
(98011024)							
600431.02	4133903.06	43.81881	(98011024)	600437.36	4133899.47	44.78034	
(98011024)							
600443.71	4133895.88	45.59908	(98011024)	600450.06	4133892.29	46.25723	
(98011024)							
600456.40	4133888.70	46.74423	(98011024)	600462.75	4133885.11	47.04326	
(98011024)							
600469.10	4133881.51	47.13941	(98011024)	600475.44	4133877.92	47.01815	
(98011024)							

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*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3

**

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600481.79 (98011024)	4133874.33	46.66891	(98011024)	600488.14	4133870.74	46.07998
600494.48 (98011024)	4133867.15	45.24970	(98011024)	600500.83	4133863.56	44.13358
600507.18 (98011024)	4133859.97	42.76894	(98011024)	600513.52	4133856.38	41.19190
600526.95 (98011024)	4133854.55	37.35117	(98011024)	600534.02	4133856.31	35.11884
600541.10 (99122524)	4133858.08	32.75345	(98011024)	600548.17	4133859.84	33.97402
600555.25 (99122524)	4133861.61	35.65780	(99122524)	600562.32	4133863.37	37.16288
600569.40 (99122524)	4133865.14	38.27961	(99122524)	600583.55	4133868.67	39.56421
600590.63 (99122524)	4133870.43	39.66297	(99122524)	600597.70	4133872.19	39.44251
600604.78 (99122524)	4133873.96	38.88000	(99122524)	600611.85	4133875.72	37.94466
600618.93 (98121716)	4133877.49	38.12429	(98121716)	600626.00	4133879.25	38.31148
600633.08 (98121716)	4133881.02	38.35860	(98121716)	600640.15	4133882.78	38.25979
600647.23 (98121716)	4133884.54	38.01095	(98121716)	600654.31	4133886.31	37.61918
600661.38 (99123024)	4133888.07	39.25683	(99123024)	600668.46	4133889.84	41.66870
600675.53 (99123024)	4133891.60	43.71051	(99123024)	600682.61	4133893.37	45.33356
600689.68 (99123024)	4133895.13	46.48419	(99123024)	600696.76	4133896.90	47.24081
600703.84 (99123024)	4133898.66	47.55378	(99123024)	600710.91	4133900.42	47.54428
600717.99 (99123024)	4133902.19	47.28764	(99123024)	600725.06	4133903.95	46.84355
600732.14 (98011024)	4133905.72	46.27412	(99123024)	600323.12	4133964.11	16.43457
600318.48 (98011024)	4133969.90	15.18291	(98011024)	600313.84	4133975.68	13.98640
600299.91 (00120716)	4133993.04	12.26034	(00120716)	600295.26	4133998.82	11.77750
600290.62 (98122824)	4134004.61	11.29106	(00120716)	600285.98	4134010.40	11.83585
600281.34 (98122824)	4134016.18	12.96941	(98122824)	600276.69	4134021.97	14.15089
600272.05 (98122824)	4134027.75	15.36933	(98122824)	600267.41	4134033.54	16.61862
600262.76 (98122824)	4134039.32	17.88477	(98122824)	600258.12	4134045.11	19.15574
600448.80 (00120716)	4134210.23	39.23550	(00120716)	600439.21	4134221.05	37.93014
600441.87 (00120716)	4134210.94	37.90888	(00120716)	600429.54	4134232.17	36.41280
600432.22 (00120716)	4134221.95	36.49472	(00120716)	600434.91	4134211.73	36.54481
600437.60 (00120716)	4134201.51	36.53340	(00120716)	600419.81	4134243.49	34.72096
600422.52 (00120716)	4134233.19	34.89657	(00120716)	600425.23	4134222.89	35.03912
600427.94 (00120716)	4134212.58	35.14690	(00120716)	600430.65	4134202.28	35.20485

600412.77 (00120716)	4134244.60	33.12960	(00120716)	600415.50	4134234.23	33.36273
600418.23 (00120716)	4134223.85	33.56116	(00120716)	600420.96	4134213.48	33.72282
600423.69 (00120716)	4134203.10	33.84236	(00120716)	600426.42	4134192.73	33.91858
600407.31 (98122816)	4134255.45	35.24977	(98122816)	600405.73	4134245.72	31.65401
600408.47 (00120716)	4134235.29	31.81264	(00120716)	600411.22	4134224.85	32.06601
600413.97 (00120716)	4134214.41	32.27907	(00120716)	600416.71	4134203.98	32.45464
600419.46 (98122816)	4134193.54	32.59057	(00120716)	600398.68	4134246.85	31.36190
600401.44 (00120716)	4134236.35	30.24935	(00120716)	600404.20	4134225.86	30.55385
600406.96 (00120716)	4134215.37	30.81766	(00120716)	600409.73	4134204.88	31.04814
600412.49 (98011024)	4134194.39	31.24030	(00120716)	600415.25	4134183.90	31.73040

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** **

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600387.38 (00120716)	4134238.52	28.08493	(98122816)	600390.16	4134227.94	27.50420
600392.95 (00120716)	4134217.36	27.86968	(00120716)	600395.73	4134206.79	28.19484
600398.51 (00120716)	4134196.21	28.48354	(00120716)	600401.30	4134185.63	28.73582
600404.08 (98122816)	4134175.05	29.39639	(98011024)	600387.22	4134284.31	43.16534
600381.18 (98122816)	4134275.10	39.22640	(98122816)	600375.14	4134265.89	35.71569
600376.11 (98122824)	4134230.07	26.62414	(98122824)	600378.91	4134219.42	25.93411
600381.71 (00120716)	4134208.77	25.31928	(00120716)	600384.52	4134198.12	25.69651
600387.32 (00120716)	4134187.48	26.04001	(00120716)	600390.12	4134176.83	26.34448
600392.92 (98122816)	4134166.18	26.91843	(98011024)	600379.29	4134296.01	45.86729
600373.22 (98122816)	4134286.75	42.05526	(98122816)	600367.15	4134277.50	38.69672
600361.08 (98122816)	4134268.24	35.59977	(98122816)	600356.41	4134253.63	31.28621
600364.86 (98122824)	4134221.52	26.98018	(98122824)	600367.68	4134210.82	26.24816
600370.50	4134200.11	25.16815	(98122824)	600373.31	4134189.41	23.74142

(98122824)							
600376.13	4134178.70	23.71939	(00120716)	600367.20	4134301.37	45.72274	
(98122816)							
600361.36	4134292.46	42.52159	(98122816)	600355.51	4134283.56	39.57864	
(98122816)							
600349.67	4134274.65	36.93647	(98122816)	600343.83	4134265.74	34.49390	
(98122816)							
600342.26	4134256.13	31.96490	(98122816)	600344.97	4134245.83	29.18073	
(98122816)							
600347.68	4134235.53	28.05899	(98122824)	600353.11	4134214.92	27.41068	
(98122824)							
600355.82	4134204.62	26.73434	(98122824)	600369.37	4134153.10	22.13229	
(00120716)							
600359.17	4134312.92	47.71335	(98122816)	600353.28	4134303.95	44.78900	
(98122816)							
600347.40	4134294.98	42.11863	(98122816)	600341.52	4134286.01	39.63867	
(98122816)							
600335.63	4134277.04	37.37575	(98122816)	600329.75	4134268.07	35.20516	
(98122816)							
600328.17	4134258.40	32.81841	(98122816)	600330.90	4134248.02	30.03112	
(98122816)							
600333.63	4134237.65	28.65389	(98122824)	600336.36	4134227.27	28.42186	
(98122824)							
600347.28	4134185.77	26.02189	(98122824)	600350.01	4134175.40	24.74605	
(98122824)							
600352.74	4134165.02	23.21076	(98122824)	600355.47	4134154.65	21.47804	
(98122824)							
600358.20	4134144.27	20.13392	(00120716)	600351.18	4134324.54	49.10223	
(98122816)							
600345.26	4134315.51	46.65940	(98122816)	600339.34	4134306.49	44.27786	
(98122816)							
600333.42	4134297.47	42.07252	(98122816)	600327.50	4134288.44	39.97739	
(98122816)							
600321.58	4134279.42	37.96256	(98122816)	600315.67	4134270.39	35.90460	
(98122816)							
600314.08	4134260.66	33.64728	(98122816)	600316.83	4134250.23	31.00179	
(98122816)							
600330.56	4134198.04	27.99760	(98122824)	600333.30	4134187.61	27.26327	
(98122824)							
600336.05	4134177.17	26.25724	(98122824)	600338.80	4134166.73	24.98006	
(98122824)							
600341.54	4134156.30	23.46290	(98122824)	600344.29	4134145.86	21.75550	
(98122824)							
600347.04	4134135.42	19.92217	(98122824)	600343.23	4134336.21	50.12798	
(98122816)							
600337.28	4134327.14	48.00576	(98122816)	600331.33	4134318.07	45.92753	
(98122816)							
600325.38	4134309.00	44.01694	(98122816)	600319.43	4134299.93	42.20077	
(98122816)							
600313.48	4134290.86	40.34361	(98122816)	600307.53	4134281.79	38.43958	
(98122816)							
600301.58	4134272.72	36.57816	(98122816)	600308.27	4134231.46	29.67129	
(98122824)							
600311.03	4134220.97	29.44845	(98122824)	600313.79	4134210.48	29.16112	
(98122824)							

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

A-1761

INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600322.07 (98122824)	4134179.01	27.48514	(98122824)	600324.83	4134168.52	26.46805
600327.59 (98122824)	4134158.03	25.19221	(98122824)	600330.35	4134147.54	23.69054
600333.11 (98122824)	4134137.05	22.00944	(98122824)	600335.87	4134126.56	20.20655
600326.15 (98122816)	4134353.89	50.75934	(98122816)	600320.21	4134344.83	49.31357
600314.27 (98122816)	4134335.78	47.75545	(98122816)	600308.33	4134326.73	46.35716
600302.39 (98122816)	4134317.67	45.03500	(98122816)	600296.45	4134308.62	43.59824
600290.51 (98122816)	4134299.57	42.03880	(98122816)	600284.58	4134290.51	40.47808
600274.08 (98122816)	4134267.17	36.18643	(98122816)	600276.83	4134256.70	33.79349
600279.59 (98122824)	4134246.23	31.43085	(98122816)	600282.34	4134235.76	30.51144
600285.10 (98122824)	4134225.29	30.55217	(98122824)	600287.85	4134214.81	30.34443
600290.61 (98122824)	4134204.34	29.98258	(98122824)	600293.36	4134193.87	29.53959
600301.63 (98122824)	4134162.46	27.76969	(98122824)	600304.39	4134151.99	26.73112
600307.14 (98122824)	4134141.52	25.46643	(98122824)	600309.90	4134131.05	24.00152
600312.65 (98122824)	4134120.57	22.37641	(98122824)	600315.41	4134110.10	20.64081
600312.02 (98122816)	4134376.07	50.94048	(98122816)	600306.09	4134367.03	49.92262
600300.16 (98122816)	4134357.99	48.99957	(98122816)	600294.23	4134348.95	48.11137
600288.30 (98122816)	4134339.91	47.21859	(98122816)	600282.37	4134330.87	46.29043
600276.44 (98122816)	4134321.83	45.30129	(98122816)	600270.51	4134312.79	44.21035
600258.65 (98122816)	4134294.71	41.87490	(98122816)	600252.72	4134285.67	40.54902
600248.17 (98122816)	4134271.40	37.87353	(98122816)	600250.92	4134260.94	35.64161
600253.67 (98122816)	4134250.49	33.37913	(98122816)	600256.42	4134240.03	31.11039
600259.17 (98122824)	4134229.58	30.97520	(98122824)	600261.92	4134219.12	31.07252
600264.67 (98122824)	4134208.67	31.07708	(98122824)	600267.43	4134198.21	30.94633
600270.18 (98122824)	4134187.75	30.54105	(98122824)	600272.93	4134177.30	30.04708
600281.18 (98122824)	4134145.93	27.98865	(98122824)	600283.93	4134135.48	26.94094
600294.94 (98122816)	4134093.65	21.01321	(98122824)	600293.69	4134391.85	50.19232
600287.62 (98122816)	4134382.60	49.26222	(98122816)	600281.56	4134373.35	48.51220

600275.49 (98122816)	4134364.10	47.98793 (98122816)	600269.42	4134354.85	47.44376
600263.35 (98122816)	4134345.60	46.85514 (98122816)	600257.29	4134336.35	46.19995
600239.08 (98122816)	4134308.60	43.71057 (98122816)	600233.02	4134299.35	42.68832
600226.95 (98122816)	4134290.10	41.57272 (98122816)	600222.29	4134275.50	39.27204
600225.11 (98122816)	4134264.80	37.21430 (98122816)	600227.92	4134254.11	35.04009
600230.74 (98122824)	4134243.41	32.91006 (98122816)	600233.55	4134232.71	31.10712
600236.37 (98122824)	4134222.01	31.31145 (98122824)	600239.18	4134211.31	31.44875
600242.00 (98122824)	4134200.62	31.51386 (98122824)	600244.81	4134189.92	31.33830
600247.63 (98122824)	4134179.22	30.94698 (98122824)	600258.89	4134136.43	28.74279
600261.70 (98122824)	4134125.73	27.79680 (98122824)	600264.52	4134115.03	26.64986
600267.33 (98122824)	4134104.33	25.31783 (98122824)	600270.15	4134093.63	23.83098
600272.96 (98122824)	4134082.94	22.22570 (98122824)	600275.78	4134072.24	20.53766
600279.66 (98122816)	4134414.18	48.88835 (98122816)	600273.61	4134404.96	48.66576

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 *** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600267.56 (98122816)	4134395.73	48.10708 (98122816)	600261.51	4134386.51	47.61256		
600255.46 (98122816)	4134377.29	47.12006 (98122816)	600249.41	4134368.07	46.87978		
600243.36 (98122816)	4134358.85	46.61444 (98122816)	600237.31	4134349.63	46.27761		
600225.22 (98122816)	4134331.18	45.33769 (98122816)	600219.17	4134321.96	44.72003		
600213.12 (98122816)	4134312.74	44.00072 (98122816)	600207.07	4134303.52	43.18062		
600201.02 (98122816)	4134294.30	42.20352 (98122816)	600196.38	4134279.74	40.25534		
600199.18 (98122816)	4134269.08	38.54774 (98122816)	600201.99	4134258.41	36.62632		
600204.80 (98122816)	4134247.75	34.69109 (98122816)	600207.60	4134237.08	32.65463		
600210.41 (98122824)	4134226.42	31.16835 (98122824)	600221.64	4134183.76	31.49256		
600224.44	4134173.09	31.20124 (98122824)	600227.25	4134162.43	30.88864		

(98122824)							
600230.06	4134151.76	30.61460	(98122824)	600232.86	4134141.10	30.19416	
(98122824)							
600238.48	4134119.77	28.83782	(98122824)	600241.28	4134109.10	27.88352	
(98122824)							
600244.09	4134098.44	26.74878	(98122824)	600246.90	4134087.77	25.44587	
(98122824)							
600249.70	4134077.11	24.00277	(98122824)	600252.51	4134066.44	22.44915	
(98122824)							
600255.32	4134055.78	20.81920	(98122824)	600374.52	4134301.25	46.75909	
(98122816)							
600337.14	4134348.56	51.26660	(98122816)	600323.13	4134366.30	51.57897	
(98122816)							
600318.45	4134372.22	51.43462	(98122816)	600309.11	4134384.05	51.09286	
(98122816)							
600304.44	4134389.96	50.95982	(98122816)	600290.42	4134407.70	50.38435	
(98122816)							
600271.73	4134431.36	46.35663	(98122816)	600267.06	4134437.27	44.90960	
(98122816)							
600234.35	4134478.67	47.78880	(99012324)	600229.68	4134484.58	48.54221	
(99012324)							
600225.01	4134490.49	49.22222	(99012324)	600201.64	4134520.06	53.22113	
(00010316)							
600196.97	4134525.98	54.58419	(00010316)	600192.30	4134531.89	55.88527	
(00010316)							
600187.63	4134537.80	57.12613	(00010316)	600182.95	4134543.72	58.30631	
(00010316)							
600336.21	4134338.22	49.67745	(98122816)	600331.54	4134344.14	50.10912	
(98122816)							
600317.52	4134361.88	50.62068	(98122816)	600303.50	4134379.62	50.33119	
(98122816)							
600298.83	4134385.53	50.25972	(98122816)	600289.49	4134397.36	50.04225	
(98122816)							
600284.81	4134403.27	49.74313	(98122816)	600266.12	4134426.93	46.11648	
(98122816)							
600261.45	4134432.84	44.73435	(98122816)	600242.76	4134456.50	42.85619	
(99012324)							
600238.09	4134462.41	43.94717	(99012324)	600233.42	4134468.32	44.85412	
(99012324)							
600228.75	4134474.24	45.75795	(99012324)	600210.06	4134497.89	48.65874	
(99012324)							
600205.38	4134503.81	49.60782	(99012324)	600200.71	4134509.72	50.50872	
(99012324)							
600196.04	4134515.64	51.30225	(99012324)	600191.37	4134521.55	52.00967	
(99012324)							
600330.61	4134333.79	48.51740	(98122816)	600325.93	4134339.71	49.04588	
(98122816)							
600316.59	4134351.53	49.70368	(98122816)	600311.92	4134357.45	49.79047	
(98122816)							
600297.90	4134375.19	49.64091	(98122816)	600283.88	4134392.93	49.36903	
(98122816)							
600279.21	4134398.84	49.10925	(98122816)	600260.52	4134422.50	45.94745	
(98122816)							
600255.85	4134428.41	44.66062	(98122816)	600251.18	4134434.33	43.21125	
(98122816)							
600246.50	4134440.24	42.70568	(98121624)	600241.83	4134446.16	42.10882	
(98121624)							
600237.16	4134452.07	41.26161	(98121624)	600232.49	4134457.98	41.92499	
(99012324)							
600227.81	4134463.90	42.86127	(99012324)	600209.12	4134487.55	46.09769	
(99012324)							

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*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600204.45 (99012324)	4134493.47	46.75562 (99012324)	(99012324)	600199.78	4134499.38	47.54015
600195.11 (99012324)	4134505.29	48.45200 (99012324)	(99012324)	600176.42	4134528.95	51.26167
600171.74 (98122816)	4134534.86	51.35149 (99012324)	(99012324)	600395.09	4134240.66	29.16798
600325.00 (98122816)	4134329.37	47.43064 (98122816)	(98122816)	600310.98	4134347.11	48.89879
600306.31 (98122816)	4134353.02	49.05974 (98122816)	(98122816)	600296.97	4134364.85	49.16312
600292.29 (98122816)	4134370.76	49.10067 (98122816)	(98122816)	600278.28	4134388.50	48.80882
600254.92 (98122816)	4134418.07	45.83238 (98122816)	(98122816)	600250.24	4134423.99	44.63347
600245.57 (98121624)	4134429.90	43.44310 (98121624)	(98121624)	600240.90	4134435.81	43.03438
600236.23 (98121624)	4134441.73	42.50534 (98121624)	(98121624)	600231.55	4134447.64	41.68500
600212.86 (99012324)	4134471.30	42.65114 (99012324)	(99012324)	600208.19	4134477.21	43.45942
600203.52 (99012324)	4134483.12	44.21211 (99012324)	(99012324)	600198.85	4134489.04	44.87936
600180.16 (99012324)	4134512.69	48.13059 (99012324)	(99012324)	600175.48	4134518.61	48.90532
600170.81 (99012324)	4134524.52	49.51221 (99012324)	(99012324)	600166.14	4134530.43	49.71865
600370.79 (98122816)	4134259.89	33.59380 (98122816)	(98122816)	600324.07	4134319.02	45.64526
600319.40 (98122816)	4134324.94	46.44102 (98122816)	(98122816)	600305.38	4134342.68	48.10789
600291.36 (98122816)	4134360.42	48.62839 (98122816)	(98122816)	600286.69	4134366.33	48.61682
600272.67 (98122816)	4134384.07	48.26825 (98122816)	(98122816)	600249.31	4134413.64	45.75892
600244.64 (98121624)	4134419.56	44.64451 (98122816)	(98122816)	600225.95	4134443.21	41.94126
600216.60 (99012324)	4134455.04	39.78101 (98121624)	(98121624)	600211.93	4134460.95	39.84278
600207.26 (99012324)	4134466.87	40.72555 (99012324)	(99012324)	600202.59	4134472.78	41.55454
600197.91 (99012324)	4134478.70	42.24701 (99012324)	(99012324)	600179.22	4134502.35	45.33765
600174.55 (99012324)	4134508.26	46.21667 (99012324)	(99012324)	600169.88	4134514.18	46.97104
600165.21 (99012324)	4134520.09	47.61053 (99012324)	(99012324)	600160.54	4134526.01	48.03058
600350.24 (98122816)	4134262.86	33.75267 (98122816)	(98122816)	600312.86	4134310.17	43.91895

600298.84 (98122816)	4134327.91	46.31370 (98122816)	600294.17	4134333.82	46.85476
600280.15 (98122816)	4134351.56	47.69071 (98122816)	600266.14	4134369.30	47.64524
600252.12 (98122816)	4134387.05	47.04110 (98122816)	600238.10	4134404.79	45.65667
600233.43 (98121624)	4134410.70	44.73657 (98122816)	600228.76	4134416.62	44.12103
600224.08 (98121624)	4134422.53	43.66790 (98121624)	600219.41	4134428.44	43.08043
600214.74 (98121624)	4134434.36	42.39109 (98121624)	600210.07	4134440.27	41.53023
600191.38 (99012324)	4134463.93	37.53098 (99012324)	600186.71	4134469.84	38.27913
600182.03 (99012324)	4134475.75	39.07741 (99012324)	600177.36	4134481.67	39.91071
600172.69 (99012324)	4134487.58	40.72418 (99012324)	600168.02	4134493.49	41.66343
600163.34 (99012324)	4134499.41	42.58290 (99012324)	600158.67	4134505.32	43.41131
600154.00 (99012324)	4134511.24	44.05918 (99012324)	600149.33	4134517.15	44.56931
600315.67 (98122816)	4134283.57	38.82992 (98122816)	600306.32	4134295.40	41.18823
600301.65 (98122816)	4134301.31	42.30021 (98122816)	600287.63	4134319.05	45.15542
600273.62 (98122816)	4134336.79	46.57683 (98122816)	600259.60	4134354.53	47.09333
600254.93 (98122816)	4134360.45	47.05985 (98122816)	600240.91	4134378.19	46.38091
600226.89 (98122816)	4134395.93	45.10835 (98122816)	600222.22	4134401.85	44.32501

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600217.55 (98121624)	4134407.76	44.00934 (98121624)	600203.53	4134425.50	42.67520
600194.19 (98121624)	4134437.33	40.85194 (98121624)	600189.51	4134443.24	39.79584
600184.84 (98121624)	4134449.16	38.61412 (98121624)	600180.17	4134455.07	37.36734
600175.50 (99012324)	4134460.98	36.03793 (98121624)	600170.82	4134466.90	35.29577
600166.15 (99012324)	4134472.81	36.34635 (99012324)	600161.48	4134478.72	37.36813
600156.81 (99012324)	4134484.64	38.34744 (99012324)	600152.13	4134490.55	39.28252
600147.46	4134496.47	40.16697 (99012324)	600142.79	4134502.38	40.86040

(99012324)							
600138.12	4134508.29	41.44872	(99012324)	600299.79	4134280.63	38.24308	
(98122816)							
600295.11	4134286.54	39.42477	(98122816)	600281.10	4134304.28	42.93629	
(98122816)							
600267.08	4134322.02	45.20861	(98122816)	600262.41	4134327.94	45.68108	
(98122816)							
600248.39	4134345.68	46.46170	(98122816)	600234.37	4134363.42	46.29021	
(98122816)							
600229.70	4134369.33	46.02164	(98122816)	600215.68	4134387.07	44.72812	
(98122816)							
600211.01	4134392.99	44.03309	(98122816)	600206.34	4134398.90	43.80007	
(98121624)							
600201.67	4134404.82	43.62728	(98121624)	600196.99	4134410.73	43.29863	
(98121624)							
600192.32	4134416.64	42.75108	(98121624)	600187.65	4134422.56	42.06190	
(98121624)							
600182.98	4134428.47	41.18496	(98121624)	600178.30	4134434.39	40.19537	
(98121624)							
600173.63	4134440.30	39.16254	(98121624)	600168.96	4134446.21	38.21916	
(98121624)							
600164.29	4134452.13	37.18405	(98121624)	600159.61	4134458.04	36.05294	
(98121624)							
600154.94	4134463.95	34.83965	(98121624)	600150.27	4134469.87	34.11628	
(99012324)							
600145.60	4134475.78	35.10816	(99012324)	600140.92	4134481.70	36.09401	
(99012324)							
600136.25	4134487.61	37.03705	(99012324)	600131.58	4134493.52	37.89048	
(99012324)							
600126.91	4134499.44	38.60432	(99012324)	600370.82	4134144.64	22.27082	
(00120716)							
600342.78	4134180.12	25.92507	(98122824)	600300.73	4134233.35	29.99004	
(98122824)							
600296.06	4134239.26	30.15272	(98122824)	600291.39	4134245.17	30.72849	
(98122816)							
600286.71	4134251.09	32.22663	(98122816)	600268.02	4134274.74	38.00745	
(98122816)							
600263.35	4134280.66	39.39212	(98122816)	600249.33	4134298.40	42.46777	
(98122816)							
600244.66	4134304.31	43.22763	(98122816)	600235.32	4134316.14	44.42119	
(98122816)							
600230.64	4134322.05	44.85191	(98122816)	600216.63	4134339.79	45.50468	
(98122816)							
600211.95	4134345.71	45.51515	(98122816)	600207.28	4134351.62	45.42531	
(98122816)							
600193.26	4134369.36	44.46790	(98122816)	600188.59	4134375.28	44.04967	
(98122816)							
600183.92	4134381.19	43.73890	(98121624)	600179.25	4134387.10	43.68986	
(98121624)							
600174.58	4134393.02	43.50378	(98121624)	600169.90	4134398.93	43.11870	
(98121624)							
600165.23	4134404.85	42.60869	(98121624)	600160.56	4134410.76	42.05152	
(98121624)							
600155.89	4134416.67	41.43839	(98121624)	600151.21	4134422.59	40.77610	
(98121624)							
600146.54	4134428.50	40.02223	(98121624)	600141.87	4134434.41	39.19871	
(98121624)							
600137.20	4134440.33	38.31079	(98121624)	600132.52	4134446.24	37.34812	
(98121624)							
600127.85	4134452.16	36.36333	(98121624)	600123.18	4134458.07	35.33000	
(98121624)							
600118.51	4134463.98	34.30775	(98121624)	600359.61	4134135.78	20.29358	
(00120716)							
600331.57	4134171.26	26.12453	(98122824)	600308.21	4134200.83	29.16858	

(98122824)
 600303.54 4134206.75 29.53468 (98122824) 600298.87 4134212.66 29.85637
 (98122824)

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600294.19	4134218.58	30.20043	(98122824)	600270.83	4134248.14	32.19912
(98122816)						
600266.16	4134254.06	33.62625	(98122816)	600261.49	4134259.97	35.07556
(98122816)						
600256.81	4134265.89	36.50685	(98122816)	600242.80	4134283.63	40.34313
(98122816)						
600238.12	4134289.54	41.36665	(98122816)	600224.11	4134307.28	43.56204
(98122816)						
600210.09	4134325.02	44.78330	(98122816)	600205.42	4134330.94	44.98083
(98122816)						
600200.75	4134336.85	44.98081	(98122816)	600196.07	4134342.76	44.84898
(98122816)						
600182.06	4134360.51	44.10473	(98122816)	600177.38	4134366.42	43.80957
(98122816)						
600172.71	4134372.33	43.54815	(98121624)	600168.04	4134378.25	43.72571
(98121624)						
600163.37	4134384.16	43.49875	(98121624)	600158.69	4134390.08	43.18366
(98121624)						
600154.02	4134395.99	42.77824	(98121624)	600149.35	4134401.90	42.30618
(98121624)						
600144.68	4134407.82	41.73473	(98121624)	600140.00	4134413.73	41.25261
(98121624)						
600135.33	4134419.64	40.67626	(98121624)	600130.66	4134425.56	39.98530
(98121624)						
600125.99	4134431.47	39.19138	(98121624)	600121.31	4134437.39	38.29239
(98121624)						
600116.64	4134443.30	37.43391	(98121624)	600111.97	4134449.21	36.52055
(98121624)						
600107.30	4134455.13	35.56322	(98121624)	600102.62	4134461.04	34.50261
(98121624)						
600097.95	4134466.95	33.31267	(98121624)	600093.28	4134472.87	31.99893
(98121624)						
600348.40	4134126.93	18.52117	(98122824)	600320.36	4134162.41	26.30632
(98122824)						
600315.69	4134168.32	27.18551	(98122824)	600311.02	4134174.24	27.91939
(98122824)						
600282.98	4134209.72	30.41984	(98122824)	600278.31	4134215.63	30.66291
(98122824)						
600273.64	4134221.55	30.81839	(98122824)	600268.97	4134227.46	30.86139
(98122824)						
600240.93	4134262.94	36.37854	(98122816)	600236.26	4134268.86	37.69906
(98122816)						

600231.59 (98122816)	4134274.77	38.93763	(98122816)	600226.92	4134280.68	40.09115
600217.57 (98122816)	4134292.51	41.96520	(98122816)	600212.90	4134298.43	42.66601
600203.55 (98122816)	4134310.25	43.74622	(98122816)	600198.88	4134316.17	43.97711
600194.21 (98122816)	4134322.08	44.13340	(98122816)	600189.54	4134327.99	44.16033
600184.86 (98122816)	4134333.91	44.09193	(98122816)	600170.85	4134351.65	43.55773
600166.17 (98122816)	4134357.56	43.37671	(98122816)	600161.50	4134363.48	43.04309
600156.83 (98121624)	4134369.39	43.15494	(98121624)	600152.16	4134375.30	43.31286
600147.48 (98121624)	4134381.22	43.15716	(98121624)	600142.81	4134387.13	42.84939
600138.14 (98121624)	4134393.05	42.52575	(98121624)	600133.47	4134398.96	42.14710
600128.79 (98121624)	4134404.87	41.70427	(98121624)	600124.12	4134410.79	41.21287
600119.45 (98121624)	4134416.70	40.63345	(98121624)	600114.78	4134422.62	39.94531
600110.10 (98121624)	4134428.53	39.20009	(98121624)	600105.43	4134434.44	38.42633
600100.76 (98121624)	4134440.36	37.63949	(98121624)	600096.09	4134446.27	36.73475
600091.42 (98121624)	4134452.18	35.73527	(98121624)	600086.74	4134458.10	34.62225
600082.07 (98122824)	4134464.01	33.43374	(98121624)	600332.47	4134104.74	17.63471
600327.80 (98122824)	4134110.65	19.08536	(98122824)	600323.13	4134116.57	20.52029
600299.77 (98122824)	4134146.13	26.59282	(98122824)	600295.09	4134152.05	27.46493
600290.42 (98122824)	4134157.96	28.20909	(98122824)	600262.39	4134193.45	31.06788
600257.71 (98122824)	4134199.36	31.26001	(98122824)	600253.04	4134205.27	31.32493

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600248.37 (98122824)	4134211.19	31.34730 (98122824)	600243.70	4134217.10	31.33104
600220.34 (98122816)	4134246.67	33.93852 (98122816)	600215.66	4134252.58	35.17977
600210.99 (98122816)	4134258.50	36.39107 (98122816)	600206.32	4134264.41	37.61087
600187.63	4134288.07	41.21541 (98122816)	600182.96	4134293.98	41.69981

(98122816)							
600178.28	4134299.89	42.08164	(98122816)	600173.61	4134305.81	42.38745	
(98122816)							
600168.94	4134311.72	42.67523	(98122816)	600164.27	4134317.63	42.89643	
(98122816)							
600150.25	4134335.38	43.01248	(98122816)	600145.58	4134341.29	42.87128	
(98122816)							
600140.90	4134347.20	42.58388	(98122816)	600136.23	4134353.12	42.12421	
(98122816)							
600131.56	4134359.03	42.32294	(98121624)	600126.89	4134364.95	42.48517	
(98121624)							
600122.21	4134370.86	42.52022	(98121624)	600117.54	4134376.77	42.45332	
(98121624)							
600112.87	4134382.69	42.30421	(98121624)	600108.20	4134388.60	42.13711	
(98121624)							
600103.53	4134394.51	41.86084	(98121624)	600098.85	4134400.43	41.47331	
(98121624)							
600094.18	4134406.34	40.98240	(98121624)	600089.51	4134412.26	40.47799	
(98121624)							
600084.84	4134418.17	39.94609	(98121624)	600080.16	4134424.08	39.43069	
(98121624)							
600075.49	4134430.00	38.84668	(98121624)	600070.82	4134435.91	38.17144	
(98121624)							
600066.15	4134441.82	37.28257	(98121624)	600061.47	4134447.74	36.29683	
(98121624)							
600291.28	4134072.19	18.64399	(98122824)	600286.61	4134078.11	19.99649	
(98122824)							
600281.93	4134084.02	21.32471	(98122824)	600277.26	4134089.93	22.61064	
(98122824)							
600253.90	4134119.50	27.84578	(98122824)	600249.23	4134125.42	28.58634	
(98122824)							
600216.52	4134166.81	31.12276	(98122824)	600211.85	4134172.73	31.34002	
(98122824)							
600207.18	4134178.64	31.51034	(98122824)	600202.50	4134184.55	31.63503	
(98122824)							
600197.83	4134190.47	31.71303	(98122824)	600193.16	4134196.38	31.74120	
(98122824)							
600188.49	4134202.29	31.55889	(98122824)	600183.81	4134208.21	31.31518	
(98122824)							
600179.14	4134214.12	31.00572	(98122824)	600174.47	4134220.04	30.90373	
(98122816)							
600169.80	4134225.95	32.12542	(98122816)	600165.12	4134231.86	33.29711	
(98122816)							
600160.45	4134237.78	34.41324	(98122816)	600155.78	4134243.69	35.46156	
(98122816)							
600151.11	4134249.61	36.43772	(98122816)	600146.43	4134255.52	37.33692	
(98122816)							
600141.76	4134261.43	38.15766	(98122816)	600137.09	4134267.35	38.89523	
(98122816)							
600132.42	4134273.26	39.54523	(98122816)	600127.74	4134279.17	40.11257	
(98122816)							
600123.07	4134285.09	40.59571	(98122816)	600109.06	4134302.83	41.48066	
(98122816)							
600104.38	4134308.74	41.52066	(98122816)	600099.71	4134314.66	41.40305	
(98122816)							
600095.04	4134320.57	41.19871	(98122816)	600090.37	4134326.48	40.95337	
(98122816)							
600085.69	4134332.40	40.73675	(98121624)	600081.02	4134338.31	41.20015	
(98121624)							
600076.35	4134344.23	41.67455	(98121624)	600071.68	4134350.14	42.03296	
(98121624)							
600067.00	4134356.05	42.31852	(98121624)	600062.33	4134361.97	42.50954	
(98121624)							
600057.66	4134367.88	42.60667	(98121624)	600052.99	4134373.79	42.57593	

(98121624)	600048.31	4134379.71	42.59269	(98121624)	600043.64	4134385.62	42.55037
(98121624)	600038.97	4134391.54	42.46040	(98121624)	600034.30	4134397.45	42.29708
(98121624)	600029.62	4134403.36	42.06407	(98121624)	600024.95	4134409.28	41.60935
(98121624)	600020.28	4134415.19	40.89389	(98121624)	600270.68	4134055.92	19.04963

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600266.01	4134061.83	20.35518 (98122824)	600261.34	4134067.75	21.63630
(98122824)					
600256.66	4134073.66	22.87610 (98122824)	600233.30	4134103.23	27.95552
(98122824)					
600228.63	4134109.14	28.69086 (98122824)	600214.61	4134126.88	30.30429
(98122824)					
600209.94	4134132.80	30.66288 (98122824)	600205.27	4134138.71	30.94090
(98122824)					
600200.60	4134144.62	31.14739 (98122824)	600195.92	4134150.54	31.28757
(98122824)					
600191.25	4134156.45	31.36701 (98122824)	600186.58	4134162.37	31.38981
(98122824)					
600181.91	4134168.28	31.40512 (98122824)	600177.23	4134174.19	31.46019
(98122824)					
600172.56	4134180.11	31.46069 (98122824)	600167.89	4134186.02	31.40079
(98122824)					
600163.22	4134191.94	31.27470 (98122824)	600158.54	4134197.85	31.02709
(98122824)					
600153.87	4134203.76	30.60346 (98122824)	600149.20	4134209.68	30.10342
(98122816)					
600144.53	4134215.59	31.28050 (98122816)	600139.85	4134221.50	32.41356
(98122816)					
600135.18	4134227.42	33.49745 (98122816)	600130.51	4134233.33	34.51965
(98122816)					
600125.84	4134239.25	35.48051 (98122816)	600121.16	4134245.16	36.37349
(98122816)					
600116.49	4134251.07	37.19307 (98122816)	600111.82	4134256.99	37.93704
(98122816)					
600107.15	4134262.90	38.60297 (98122816)	600102.48	4134268.81	39.19361
(98122816)					
600088.46	4134286.56	40.47722 (98122816)	600083.79	4134292.47	40.60355
(98122816)					
600079.11	4134298.38	40.68943 (98122816)	600074.44	4134304.30	40.71327
(98122816)					
600069.77	4134310.21	40.71394 (98122816)	600065.10	4134316.12	40.64565
(98122816)					

600060.42 (98121624)	4134322.04	40.76531 (98121624)	600055.75	4134327.95	41.37476
600051.08 (98121624)	4134333.87	41.87377 (98121624)	600046.41	4134339.78	42.28416
600041.73 (98121624)	4134345.69	42.66242 (98121624)	600037.06	4134351.61	42.92232
600032.39 (98121624)	4134357.52	43.05554 (98121624)	600027.72	4134363.44	43.13099
600023.04 (98121624)	4134369.35	43.11136 (98121624)	600018.37	4134375.26	43.00273
600013.70 (98121624)	4134381.18	42.90545 (98121624)	600009.03	4134387.09	42.69463
600004.35 (98121624)	4134393.00	42.32716 (98121624)	599999.68	4134398.92	41.84532
600180.65 (00010316)	4134609.15	76.65834 (00010316)	600178.12	4134600.06	74.98939
600173.84 (00010316)	4134611.14	75.49259 (00010316)	600167.67	4134623.27	75.22511
600157.52 (00010316)	4134605.56	70.97165 (00010316)	600159.71	4134594.69	68.77962
600168.46 (00010316)	4134551.18	56.47500 (00010316)	600153.34	4134617.05	72.18861
600150.65 (00010316)	4134607.42	69.70459 (00010316)	600152.87	4134596.42	67.35171
600155.08 (99012324)	4134585.42	64.48959 (00010316)	600163.93	4134541.43	50.87163
600150.32 (00010316)	4134623.18	72.44921 (00010316)	600143.78	4134609.28	68.47586
600146.02 (00010316)	4134598.18	65.97894 (00010316)	600148.25	4134587.08	62.96277
600157.19 (00010316)	4134542.66	49.92239 (99012324)	600147.32	4134638.76	73.10819
600139.95 (00010316)	4134630.72	71.50298 (00010316)	600132.59	4134622.69	68.83524
600129.98 (00010316)	4134613.33	66.16644 (00010316)	600132.13	4134602.64	63.69504
600134.28 (00010316)	4134591.95	60.73940 (00010316)	600136.43	4134581.27	57.48866
600138.58 (99012324)	4134570.58	54.09575 (00010316)	600145.03	4134538.52	47.40265
600147.18 (00010316)	4134527.84	46.11792 (99012324)	600141.38	4134651.13	72.37402
600133.89 (00010316)	4134642.95	71.52902 (00010316)	600126.39	4134634.77	69.52398

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
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600118.89	4134626.59	66.63080 (00010316)	600116.24	4134617.06	63.79127
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(00010316)							
600118.43	4134606.19	61.23592	(00010316)	600120.61	4134595.31	58.22256	
(00010316)							
600122.80	4134584.43	54.87481	(00010316)	600124.99	4134573.56	51.34484	
(00010316)							
600127.18	4134562.68	48.00709	(99012324)	600133.74	4134530.05	44.59694	
(99012324)							
600135.93	4134519.17	43.11692	(99012324)	600131.80	4134659.53	71.01347	
(00010316)							
600124.20	4134651.23	70.40923	(00010316)	600116.59	4134642.93	68.74691	
(00010316)							
600108.99	4134634.63	66.02090	(00010316)	600102.49	4134620.82	61.46831	
(00010316)							
600104.71	4134609.78	58.85896	(00010316)	600106.93	4134598.75	55.81949	
(00010316)							
600109.15	4134587.71	52.45403	(00010316)	600111.37	4134576.68	48.84096	
(00010316)							
600113.59	4134565.64	46.75458	(99012324)	600115.81	4134554.61	45.68258	
(99012324)							
600122.47	4134521.51	41.81316	(99012324)	600124.69	4134510.47	40.29362	
(99012324)							
600126.10	4134672.16	69.53351	(00010316)	600118.41	4134663.76	69.55720	
(00010316)							
600110.71	4134655.36	68.58539	(00010316)	600103.01	4134646.96	66.57341	
(00010316)							
600095.32	4134638.57	63.68492	(00010316)	600088.74	4134624.59	59.09224	
(00010316)							
600090.99	4134613.42	56.56062	(00010316)	600093.24	4134602.25	53.49421	
(00010316)							
600095.48	4134591.08	50.15102	(00010316)	600097.73	4134579.92	46.75564	
(00120524)							
600099.97	4134568.75	45.73849	(99012324)	600102.22	4134557.58	44.61403	
(99012324)							
600104.47	4134546.42	43.49936	(99012324)	600111.21	4134512.91	39.18578	
(99012324)							
600113.45	4134501.75	37.59524	(99012324)	600199.82	4134741.14	82.30520	
(99123016)							
600115.09	4134678.99	68.29644	(00010316)	600107.59	4134670.81	68.20213	
(00010316)							
600100.10	4134662.63	67.25417	(00010316)	600092.60	4134654.45	65.40692	
(00010316)							
600085.10	4134646.27	62.74464	(00010316)	600077.61	4134638.09	59.63016	
(00010316)							
600074.95	4134628.56	56.83811	(00010316)	600077.14	4134617.69	54.45466	
(00010316)							
600079.33	4134606.81	51.55658	(00010316)	600081.52	4134595.93	48.38371	
(00010316)							
600083.70	4134585.06	46.28878	(00120524)	600085.89	4134574.18	44.93977	
(99012324)							
600088.08	4134563.30	43.92344	(99012324)	600090.27	4134552.43	42.81957	
(99012324)							
600092.46	4134541.55	41.73003	(99012324)	600094.64	4134530.67	40.46971	
(99012324)							
600194.81	4134754.51	82.27739	(99123016)	600113.15	4134695.73	66.16165	
(00010316)							
600105.57	4134687.46	67.02047	(00010316)	600098.00	4134679.19	67.02942	
(00010316)							
600090.42	4134670.92	66.19670	(00010316)	600082.84	4134662.65	64.52671	
(00010316)							
600075.26	4134654.38	62.15008	(00010316)	600067.68	4134646.11	59.12381	
(00010316)							
600061.20	4134632.34	54.63430	(00010316)	600063.42	4134621.34	52.21630	
(00010316)							
600065.63	4134610.34	49.40350	(00010316)	600067.84	4134599.34	47.49241	

(00120524)	600070.05	4134588.35	45.44525	(00120524)	600072.26	4134577.35	43.99513
(99012324)	600074.48	4134566.35	43.05276	(99012324)	600076.69	4134555.35	41.88733
(99012324)	600078.90	4134544.35	40.83696	(99012324)	600089.96	4134489.36	33.17288
(99012324)	600189.79	4134767.89	82.16185	(99123016)	600103.73	4134704.29	64.73081
(00010316)	600096.08	4134695.94	65.66730	(00010316)	600088.42	4134687.59	65.86740
(00010316)	600080.77	4134679.24	65.21481	(00010316)	600073.12	4134670.89	63.75497
(00010316)	600065.47	4134662.54	61.55262	(00010316)	600057.81	4134654.19	58.72578
(00010316)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 ***
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600050.16	4134645.84	55.37554	(00010316)	600047.45	4134636.12	52.50400
(00010316)						
600049.69	4134625.01	50.07108	(00010316)	600051.92	4134613.91	48.51627
(00120524)						
600054.15	4134602.81	46.69600	(00120524)	600056.39	4134591.70	44.64088
(00120524)						
600058.62	4134580.60	43.05156	(99012324)	600060.85	4134569.50	42.20910
(99012324)						
600063.09	4134558.39	41.14468	(99012324)	600078.72	4134480.67	30.71502
(99012324)						
600174.11	4134777.27	79.48411	(99123016)	600184.78	4134781.27	81.96808
(99123016)						
600155.71	4134795.65	76.74476	(99123016)	600086.46	4134720.08	62.13921
(00010316)						
600078.76	4134711.69	63.20724	(00010316)	600071.07	4134703.29	63.60176
(00010316)						
600063.37	4134694.89	63.29357	(00010316)	600055.68	4134686.50	62.28059
(00010316)						
600047.98	4134678.10	60.49891	(00010316)	600040.29	4134669.70	58.07433
(00010316)						
600032.59	4134661.31	55.12500	(00010316)	600024.90	4134652.91	51.73849
(00010316)						
600022.17	4134643.13	49.16665	(00120524)	600024.42	4134631.97	48.18480
(00120524)						
600026.66	4134620.80	46.96212	(00120524)	600028.91	4134609.64	45.28279
(00120524)						
600031.15	4134598.47	43.22441	(00120524)	600042.38	4134542.64	37.33314
(99012324)						
600044.63	4134531.48	35.99153	(99012324)	600046.88	4134520.31	34.66599
(99012324)						

600058.10 (99123016)	4134464.49	33.31669 (98121624)	600164.89	4134801.84	79.27781
600175.56 (99123016)	4134805.84	81.36832 (99123016)	600146.57	4134820.31	76.69250
600139.03 (00010316)	4134812.08	74.17053 (99123016)	600071.17	4134738.03	59.18574
600063.63 (00010316)	4134729.81	60.53727 (00010316)	600056.09	4134721.58	61.27082
600048.54 (00010316)	4134713.35	61.39382 (00010316)	600041.00	4134705.12	60.90010
600033.46 (00010316)	4134696.90	59.78736 (00010316)	600025.92	4134688.67	58.09172
600018.38 (00010316)	4134680.44	55.82934 (00010316)	600010.84	4134672.21	53.07605
600003.30 (00120524)	4134663.99	49.95176 (00010316)	599996.86	4134650.29	47.71422
599999.06 (00120524)	4134639.35	46.61127 (00120524)	600001.26	4134628.41	45.41113
600010.07 (99012324)	4134584.64	38.99743 (99012324)	600012.27	4134573.70	38.18060
600014.47 (99012324)	4134562.76	37.23020 (99012324)	600016.67	4134551.82	36.15280
600018.87 (99012324)	4134540.88	34.95638 (99012324)	600021.07	4134529.94	33.65687
600023.27 (99012324)	4134518.99	32.40993 (99012324)	600025.47	4134508.05	31.14936
600027.67 (98121624)	4134497.11	29.84523 (99012324)	600038.68	4134442.41	37.18187
600155.67 (99123016)	4134826.42	78.78216 (99123016)	600166.34	4134830.42	80.47700
600137.33 (99123016)	4134844.86	75.64452 (99123016)	600129.75	4134836.59	73.58428
600053.90 (00010316)	4134753.83	56.74584 (00010316)	600046.32	4134745.56	58.11707
600038.73 (00010316)	4134737.28	58.97792 (00010316)	600031.15	4134729.01	59.33979
600023.57 (00010316)	4134720.73	59.06782 (00010316)	600015.98	4134712.46	58.21526
600008.40 (00010316)	4134704.18	56.82102 (00010316)	600000.81	4134695.90	54.90966
599993.23 (00010316)	4134687.63	52.56194 (00010316)	599985.64	4134679.35	49.79448
599978.06 (00120524)	4134671.08	48.51929 (00120524)	599980.44	4134613.28	40.79203
599982.65 (99012324)	4134602.28	38.84891 (00120524)	599984.86	4134591.27	37.52839
599987.08 (99012324)	4134580.27	36.68681 (99012324)	599989.29	4134569.26	35.75587
599991.50 (99012324)	4134558.26	34.72249 (99012324)	599993.72	4134547.25	33.60167

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3

**

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
599995.93 (99012324)	4134536.25	32.38516	(99012324)	599998.14	4134525.24	31.11318
600018.07 (99123016)	4134426.20	39.44726	(98121624)	600146.46	4134851.00	77.29199
600157.12 (99123016)	4134855.00	78.78117	(99123016)	600128.10	4134869.42	74.24276
600120.48 (99123016)	4134861.11	72.87554	(99123016)	600112.85	4134852.79	70.81205
600036.64 (00010316)	4134769.63	54.34724	(00010316)	600029.02	4134761.32	55.83211
600021.40 (00010316)	4134753.00	56.80331	(00010316)	600013.78	4134744.69	57.26668
600006.16 (00010316)	4134736.37	57.18674	(00010316)	599998.54	4134728.06	56.62854
599990.91 (00010316)	4134719.74	55.48956	(00010316)	599983.29	4134711.42	53.87436
599975.67 (00010316)	4134703.11	51.81055	(00010316)	599968.05	4134694.79	49.38237
599960.43 (00120524)	4134686.48	48.34374	(00120524)	599950.75	4134642.20	42.95575
599952.97 (00120524)	4134631.14	41.27540	(00120524)	599955.20	4134620.08	39.41000
599957.42 (99012324)	4134609.03	37.67009	(00120524)	599959.64	4134597.97	36.18447
599961.87 (99012324)	4134586.91	35.48093	(99012324)	599964.09	4134575.85	34.52326
599966.32 (99012324)	4134564.79	33.45307	(99012324)	599968.54	4134553.73	32.30686
599970.77 (99012324)	4134542.68	31.16969	(99012324)	599972.99	4134531.62	29.94743
599975.21 (98121624)	4134520.56	28.75904	(99012324)	599997.46	4134409.98	40.72023
600137.24 (99123016)	4134875.58	75.39015	(99123016)	600147.91	4134879.58	76.40088
600234.60 (00010316)	4134518.59	63.37353	(00010316)	600240.83	4134506.74	59.29156
600368.01 (98122816)	4134352.14	58.59956	(98122816)	600360.52	4134362.73	58.50911
600246.44 (00010316)	4134527.32	71.83366	(00010316)	600253.92	4134517.34	69.48843
600364.27 (98122816)	4134369.59	61.42232	(98122816)	600373.62	4134358.99	62.49118
600612.70 (99122824)	4134331.32	100.23021	(98121716)	600644.75	4134278.94	66.81318
600664.13 (99011216)	4134289.94	68.49492	(99011216)	600632.79	4134344.48	99.07233
600622.27 (99011216)	4134338.26	98.30114	(99011216)	600627.53	4134305.73	82.68606
600647.14 (99011216)	4134318.88	86.19464	(99011216)	600619.87	4134318.88	91.00126
600640.45 (99011216)	4134331.08	93.14977	(99011216)	600629.20	4134325.58	92.77546
600636.62 (99011216)	4134312.42	84.94024	(99011216)	600636.14	4134292.33	73.63291
600646.90 (99011216)	4134298.07	75.16046	(99011216)	600656.23	4134303.81	76.59528
600654.56 (98121716)	4134283.24	67.41068	(99122824)	600589.73	4134278.46	85.20507

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600272.44	4134683.22	28.76007	(99123024)	600265.29	4134682.89	28.68149
(99123024)						
600258.14	4134682.57	28.40439	(99123024)	600274.64	4134690.12	28.91372
(99123024)						
600260.95	4134689.50	28.77192	(99123024)	600247.26	4134688.88	28.11405
(99123024)						
600291.16	4134700.33	28.81648	(99123024)	600278.23	4134703.89	29.11356
(99123024)						
600271.19	4134703.57	29.18875	(99123024)	600264.15	4134703.25	29.20575
(99123024)						
600257.11	4134702.93	29.05462	(99123024)	600250.07	4134702.61	28.82441
(99123024)						
600243.03	4134702.29	28.53315	(99123024)	600235.99	4134701.97	28.17304
(99123024)						
600301.10	4134710.06	28.45022	(99123024)	600295.07	4134714.02	28.73164
(99123024)						
600281.85	4134717.65	29.09247	(99123024)	600274.65	4134717.33	29.21423
(99123024)						
600267.45	4134717.00	29.28217	(99123024)	600260.25	4134716.67	29.26185
(99123024)						
600253.05	4134716.35	29.14875	(99123024)	600245.85	4134716.02	28.95835
(99123024)						
600238.65	4134715.69	28.70846	(99123024)	600231.45	4134715.37	28.41269
(99123024)						
600224.25	4134715.04	28.07710	(99123024)	600311.24	4134719.66	28.29310m
(98010924)						
600305.10	4134723.69	28.17794	(99123024)	600298.97	4134727.72	28.47074
(99123024)						
600285.50	4134731.42	28.96256	(99123024)	600278.17	4134731.09	29.09825
(99123024)						
600270.84	4134730.76	29.19909	(99123024)	600263.50	4134730.42	29.24552
(99123024)						
600256.17	4134730.09	29.20560	(99123024)	600248.84	4134729.76	29.11983
(99123024)						
600241.50	4134729.43	28.95717	(99123024)	600234.17	4134729.09	28.74824
(99123024)						
600226.84	4134728.76	28.53793	(99123024)	600219.51	4134728.43	28.28094
(99123024)						
600212.17	4134728.09	27.96246	(99123024)	600321.53	4134729.16	29.06565m
(98010924)						
600315.30	4134733.25	29.00110m	(98010924)	600309.08	4134737.34	28.91909m
(98010924)						
600302.85	4134741.44	28.79909m	(98010924)	600289.17	4134745.19	28.58420
(99123024)						
600281.73	4134744.86	28.78914	(99123024)	600274.28	4134744.52	28.95705
(99123024)						

600266.83 (99123024)	4134744.18	29.07234 (99123024)	600259.39	4134743.84	29.11724
600251.94 (99123024)	4134743.50	29.11825 (99123024)	600244.50	4134743.17	29.04524
600237.05 (99123024)	4134742.83	28.92562 (99123024)	600229.61	4134742.49	28.77319
600222.16 (99123024)	4134742.15	28.61794 (99123024)	600214.71	4134741.81	28.40226
600207.27 (98010924)	4134741.48	27.97928 (99123024)	600331.95	4134738.57	29.50576m
600325.64 (98010924)	4134742.72	29.45080m (98010924)	600319.33	4134746.87	29.39023m
600313.02 (98010924)	4134751.01	29.31553m (98010924)	600306.71	4134755.16	29.24787m
600292.86 (98010924)	4134758.96	28.90722m (98010924)	600285.32	4134758.62	28.36953m
600277.77 (99123024)	4134758.28	28.50781 (99123024)	600270.23	4134757.94	28.71302
600262.69 (99123024)	4134757.60	28.86214 (99123024)	600255.15	4134757.25	28.93870
600247.60 (99123024)	4134756.91	28.96854 (99123024)	600240.06	4134756.57	28.93885
600232.52 (99123024)	4134756.23	28.84721 (99123024)	600224.98	4134755.88	28.72685
600217.43 (99123024)	4134755.54	28.55580 (99123024)	600209.89	4134755.20	28.30775
600202.35 (98010924)	4134754.86	27.94043 (99123024)	600346.05	4134745.57	29.58706m
600340.07 (98010924)	4134749.50	29.60313m (98010924)	600334.09	4134753.43	29.60367m
600328.11 (98010924)	4134757.36	29.58016m (98010924)	600322.13	4134761.29	29.53689m
600316.15 (98010924)	4134765.22	29.51451m (98010924)	600310.17	4134769.15	29.48477m

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600297.04 (98010924)	4134772.76	29.24465m (98010924)	600289.89	4134772.43	28.95787m
600282.74 (99123024)	4134772.11	28.51536m (98010924)	600275.59	4134771.78	28.06162
600268.44 (99123024)	4134771.46	28.33037 (99123024)	600261.29	4134771.14	28.53272
600254.14 (99123024)	4134770.81	28.66833 (99123024)	600246.99	4134770.49	28.76249
600239.84 (99123024)	4134770.16	28.78729 (99123024)	600232.69	4134769.84	28.75976
600225.54	4134769.51	28.69273 (99123024)	600218.39	4134769.19	28.55798

(99123024)							
600211.24	4134768.86	28.36720	(99123024)	600204.09	4134768.54	28.11803	
(99123024)							
600196.94	4134768.21	27.82828	(99123024)	600350.40	4134758.97	29.41849m	
(98010924)							
600344.34	4134762.95	29.49051m	(98010924)	600338.28	4134766.94	29.53122m	
(98010924)							
600332.22	4134770.92	29.59117m	(98010924)	600326.15	4134774.91	29.62180m	
(98010924)							
600320.09	4134778.89	29.63355m	(98010924)	600314.03	4134782.87	29.61617m	
(98010924)							
600300.72	4134786.53	29.37875m	(98010924)	600293.47	4134786.20	29.14007m	
(98010924)							
600286.23	4134785.87	28.85274m	(98010924)	600278.98	4134785.54	28.48500m	
(98010924)							
600271.74	4134785.21	28.05583m	(98010924)	600264.49	4134784.88	27.94318	
(99123024)							
600257.24	4134784.56	28.18908	(99123024)	600250.00	4134784.23	28.37769	
(99123024)							
600242.75	4134783.90	28.49713	(99123024)	600235.50	4134783.57	28.56042	
(99123024)							
600228.26	4134783.24	28.58236	(99123024)	600221.01	4134782.91	28.53303	
(99123024)							
600213.76	4134782.58	28.42756	(99123024)	600206.52	4134782.25	28.28056	
(99123024)							
600199.27	4134781.92	28.06103	(99123024)	600192.02	4134781.59	27.74429	
(99123024)							
600307.59	4134811.84	29.65899m	(98010924)	600300.25	4134811.51	29.52209m	
(98010924)							
600292.92	4134811.17	29.31460m	(98010924)	600285.58	4134810.84	29.13101m	
(98010924)							
600278.25	4134810.51	28.87608m	(98010924)	600270.91	4134810.17	28.54726m	
(98010924)							
600263.58	4134809.84	28.17247m	(98010924)	600256.24	4134809.51	27.70196m	
(98010924)							
600248.91	4134809.17	27.50952	(99123024)	600241.57	4134808.84	27.80322	
(99123024)							
600234.24	4134808.51	28.03770	(99123024)	600226.90	4134808.18	28.18528	
(99123024)							
600219.57	4134807.84	28.26104	(99123024)	600212.23	4134807.51	28.27849	
(99123024)							
600204.90	4134807.18	28.22309	(99123024)	600197.56	4134806.84	28.03189	
(99123024)							
600190.23	4134806.51	27.78544	(99123024)	600182.89	4134806.18	27.48344	
(99123024)							
600292.25	4134836.14	29.73158m	(98010924)	600284.84	4134835.80	29.59220m	
(98010924)							
600277.43	4134835.47	29.36785m	(98010924)	600270.03	4134835.13	29.08303m	
(98010924)							
600262.62	4134834.79	28.72739m	(98010924)	600255.22	4134834.46	28.37346m	
(98010924)							
600247.81	4134834.12	27.97947m	(98010924)	600240.40	4134833.79	27.52735m	
(98010924)							
600233.00	4134833.45	27.18650	(99123024)	600225.59	4134833.11	27.48411	
(99123024)							
600218.19	4134832.78	27.62198	(99123024)	600210.78	4134832.44	27.69295	
(99123024)							
600203.37	4134832.10	27.69961	(99123024)	600195.97	4134831.77	27.64425	
(99123024)							
600188.56	4134831.43	27.52911	(99123024)	600181.15	4134831.10	27.35230	
(99123024)							
600173.75	4134830.76	27.11716	(99123024)	600269.10	4134860.09	29.79680m	
(98010924)							
600261.64	4134859.75	29.47668m	(98010924)	600254.17	4134859.41	29.08096m	

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(98010924)
600246.71  4134859.07  28.63661m (98010924)  600239.24  4134858.73  28.10732m
(98010924)
600231.78  4134858.39  27.52917m (98010924)  600224.31  4134858.05  26.94840m
(98010924)
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*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600216.85	4134857.71	26.44453 (99123024)	600209.38	4134857.37	26.67183
(99123024)					
600201.92	4134857.04	26.83064 (99123024)	600194.45	4134856.70	26.92231
(99123024)					
600186.99	4134856.36	26.94741 (99123024)	600179.52	4134856.02	26.91021
(99123024)					
600172.05	4134855.68	26.77251 (99123024)	600164.59	4134855.34	26.54634
(99123024)					
600253.11	4134884.36	28.91366m (98010924)	600245.60	4134884.02	28.59434m
(98010924)					
600238.08	4134883.67	28.20867m (98010924)	600230.57	4134883.33	27.75333m
(98010924)					
600223.06	4134882.99	27.23147m (98010924)	600215.54	4134882.65	26.66078m
(98010924)					
600208.03	4134882.31	26.03505m (98010924)	600200.51	4134881.97	25.60769
(99123024)					
600193.00	4134881.63	25.77654 (99123024)	600185.48	4134881.29	25.88695
(99123024)					
600177.97	4134880.94	25.93117 (99123024)	600170.45	4134880.60	25.89969
(99123024)					
600162.94	4134880.26	25.81602 (99123024)	600155.42	4134879.92	25.67169
(99123024)					
600492.93	4134784.82	26.50531 (00122924)	600497.70	4134778.88	27.23424
(00122924)					
600502.46	4134772.94	27.88539 (00122924)	600507.23	4134767.00	28.47621
(00122924)					
600511.99	4134761.05	29.05972 (00122924)	600516.76	4134755.11	29.56662
(00122924)					
600521.52	4134749.17	29.98644 (00122924)	600526.29	4134743.23	30.31330
(00122924)					
600531.05	4134737.29	30.54059 (00122924)	600535.82	4134731.35	30.55894
(00122924)					
600540.58	4134725.41	30.47669 (00122924)	600545.35	4134719.47	30.31626
(00122924)					
600550.11	4134713.53	30.07522 (00122924)	600554.88	4134707.58	29.78312
(00122924)					
600559.64	4134701.64	29.49818 (00122924)	600564.41	4134695.70	29.13737
(00122924)					
600569.17	4134689.76	28.70757 (00122924)	600573.93	4134683.82	28.26550
(00122924)					

600284.82 (98010924)	4134706.44	29.01292 (99123024)	600298.48	4134750.27	28.89163m
600322.29 (98010924)	4134768.74	29.55658m (98010924)	600266.30	4134791.75	27.87844m
600272.25 (98010924)	4134796.36	28.30465m (98010924)	600278.20	4134800.98	28.67783m
600184.73 (99123024)	4134761.67	26.87047 (99123024)	600202.59	4134775.53	28.13479
600226.40 (99123024)	4134794.01	28.39519 (99123024)	600232.35	4134798.63	28.26830
600256.16 (98010924)	4134817.10	27.90344m (98010924)	600262.11	4134821.72	28.29665m
600268.06 (00123124)	4134826.34	28.64851m (98010924)	600255.53	4134443.24	22.52394m
600250.53 (00123124)	4134450.24	22.07265m (00123124)	600234.17	4134427.98	22.68248m
600229.17 (00123124)	4134434.98	22.24289m (00123124)	600212.81	4134412.72	22.40139m
600207.81 (99123024)	4134419.72	22.05181m (00123124)	600295.16	4134734.83	28.61582
600288.21 (98010924)	4134723.54	28.94553 (99123024)	600328.43	4134783.98	29.62788m
600304.01 (99123024)	4134795.56	29.43007m (98010924)	600241.49	4134693.91	28.04217
600247.51 (98010924)	4134463.15	20.84332m (00123124)	600312.99	4134805.21	29.66174m
600188.40 (99012324)	4134609.36	26.04082 (00010324)	600212.56	4134506.02	18.80960
600215.58 (00123124)	4134493.11	17.64141 (99012324)	600218.60	4134480.19	17.07552m
600221.62 (00123124)	4134467.27	19.06033m (00123124)	600224.64	4134454.36	20.67607m
600292.05 (99123024)	4134822.44	29.40346m (98010924)	600248.80	4134798.45	27.92039
600156.45 (00010324)	4134639.39	24.66014 (00010324)	600159.47	4134626.47	24.73253
600162.49 (00010324)	4134613.55	24.51580 (00010324)	600165.51	4134600.63	23.96186
600177.60 (99012324)	4134548.94	19.76942 (99012324)	600180.62	4134536.02	19.22175

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 *** 01/05/16
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600183.64 (99012324)	4134523.10	18.50170 (99012324)	600186.66	4134510.18	17.44018
600189.68 (99012324)	4134497.25	16.29163 (99012324)	600192.70	4134484.33	15.27489
600195.73	4134471.41	17.06487m (00123124)	600198.75	4134458.49	18.85519m

(00123124)						
600201.77	4134445.57	20.31796m	(00123124)	600204.79	4134432.64	21.37539m
(00123124)						
600276.61	4134843.66	29.60693m	(98010924)	600494.00	4134792.43	26.44764
(00122924)						
600484.25	4134805.17	24.82116	(00122924)	600494.00	4134806.71	26.15109
(00122924)						
600484.29	4134819.47	24.57928	(00122924)	600494.00	4134821.00	25.89918
(00122924)						
600534.66	4134711.40	30.49207	(00122924)	600542.72	4134708.44	30.27696
(00122924)						
600528.07	4134727.24	30.54367	(00122924)	600547.39	4134736.97	30.55848
(00122924)						
600539.18	4134738.91	30.57255	(00122924)	600514.54	4134744.72	29.75282
(00122924)						
600555.50	4134734.00	30.34563	(00122924)	600553.63	4134749.78	30.25330
(00122924)						
600545.11	4134751.79	30.33109	(00122924)	600536.59	4134753.80	30.26617
(00122924)						
600528.07	4134755.81	30.04868	(00122924)	600561.89	4134746.78	30.09148
(00122924)						
600560.14	4134762.53	29.90817	(00122924)	600551.87	4134764.48	30.05156
(00122924)						
600543.61	4134766.43	30.06929	(00122924)	600535.34	4134768.38	29.96772
(00122924)						
600527.07	4134770.34	29.70248	(00122924)	600518.80	4134772.29	29.25229
(00122924)						
600510.54	4134774.24	28.61447	(00122924)	600568.28	4134759.55	29.51310
(00122924)						
600566.41	4134775.34	29.71383	(00122924)	600557.89	4134777.35	30.00570
(00122924)						
600549.37	4134779.36	30.09648	(00122924)	600540.85	4134781.37	30.03053
(00122924)						
600532.33	4134783.38	29.79317	(00122924)	600523.81	4134785.39	29.38064
(00122924)						
600515.30	4134787.40	28.77161	(00122924)	600506.78	4134789.41	27.97155
(00122924)						
600574.67	4134772.33	29.11038	(00122924)	600572.90	4134788.09	29.58422
(00122924)						
600564.60	4134790.05	30.01554	(00122924)	600556.29	4134792.01	30.15011
(00122924)						
600547.99	4134793.97	30.14188	(00122924)	600539.68	4134795.93	29.98784
(00122924)						
600531.37	4134797.89	29.64792	(00122924)	600523.07	4134799.85	29.15175
(00122924)						
600514.76	4134801.81	28.49415	(00122924)	600506.46	4134803.77	27.67104
(00122924)						
600581.05	4134785.11	29.00259	(00122924)	600579.18	4134800.89	29.41220
(00122924)						
600570.67	4134802.90	29.82124	(00122924)	600562.15	4134804.91	30.10911
(00122924)						
600553.63	4134806.92	30.10100	(00122924)	600545.11	4134808.93	29.95998
(00122924)						
600536.59	4134810.95	29.66522	(00122924)	600528.07	4134812.96	29.23338
(00122924)						
600519.56	4134814.97	28.64143	(00122924)	600511.04	4134816.98	27.88801
(00122924)						
600502.52	4134818.99	26.97051	(00122924)	600587.44	4134797.89	28.92063
(00122924)						
600590.97	4134824.36	28.27632	(00122924)	600582.53	4134826.35	28.91299
(00122924)						
600574.10	4134828.34	29.45108	(00122924)	600565.67	4134830.33	29.82932
(00122924)						
600557.24	4134832.32	29.88617	(00122924)	600548.81	4134834.31	29.75837

(00122924)	600540.38	4134836.30	29.49807	(00122924)	600531.94	4134838.29	29.09469
(00122924)	600523.51	4134840.28	28.61788	(00122924)	600515.08	4134842.27	27.97267
(00122924)	600506.65	4134844.26	27.18106	(00122924)	600599.18	4134821.36	27.70132
(00122924)	600602.58	4134847.87	27.78001	(00122924)	600593.89	4134849.92	28.42616
(00122924)	600585.21	4134851.97	28.95761	(00122924)	600576.52	4134854.02	29.35456

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*** 01/05/16

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600567.83	4134856.07	29.57810 (00122924)	600559.15	4134858.12	29.64834
600550.46	4134860.17	29.58550 (00122924)	600541.77	4134862.22	29.39344
600533.09	4134864.27	29.04849 (00122924)	600610.92	4134844.84	27.05992
600614.36	4134871.34	26.98367 (00122924)	600605.76	4134873.37	27.71132
600597.17	4134875.40	28.27244 (00122924)	600588.57	4134877.42	28.71303
600579.97	4134879.45	29.04961 (00122924)	600571.38	4134881.48	29.23875
600562.78	4134883.51	29.31374 (00122924)	600554.18	4134885.54	29.44366
600622.66	4134868.32	25.94362 (00122924)	600626.14	4134894.81	25.60951
600617.61	4134896.82	26.62630 (00122924)	600609.09	4134898.83	27.31677
600600.56	4134900.84	27.90025 (00122924)	600592.04	4134902.86	28.40803
600583.51	4134904.87	28.87502 (00122924)	600574.99	4134906.88	29.25574
600634.40	4134891.80	24.55031 (00122924)	600572.59	4134652.25	29.27808
600573.32	4134662.52	28.77586 (00122924)	600578.07	4134656.82	28.50272
600582.82	4134651.13	28.17257 (00122924)	600587.57	4134645.43	27.79736
600592.32	4134639.74	27.46125 (00122924)	600597.07	4134634.04	27.12337
600601.82	4134628.35	26.69817 (00122924)	600606.57	4134622.65	26.76761m
600611.32	4134616.96	27.27199 (00011724)	600616.07	4134611.27	28.02857

600620.82 (00011724)	4134605.57	28.69396	(00011724)	600625.57	4134599.88	29.31079
600630.32 (00011724)	4134594.18	29.89274	(00011724)	600635.07	4134588.49	30.40158
600639.82 (00122924)	4134582.79	30.86326	(00011724)	600564.34	4134682.41	29.08889
600554.42 (00122924)	4134690.27	29.85269	(00122924)	600574.06	4134672.79	28.35718
600578.81 (00122924)	4134667.09	28.06701	(00122924)	600583.56	4134661.40	27.73150
600588.31 (00122924)	4134655.70	27.35179	(00122924)	600593.06	4134650.01	26.90797
600597.81 (00122924)	4134644.31	26.48738	(00122924)	600602.56	4134638.62	26.08146
600607.31 (99010924)	4134632.92	26.00668m	(99010924)	600612.06	4134627.23	26.07636m
600616.81 (00011724)	4134621.54	26.76348	(00011724)	600621.56	4134615.84	27.52487
600626.31 (00011724)	4134610.15	28.22450	(00011724)	600631.06	4134604.45	28.86291
600635.81 (00011724)	4134598.76	29.42229	(00011724)	600640.56	4134593.06	29.92076
600645.31 (00011724)	4134587.37	30.35402	(00011724)	600650.06	4134581.67	30.76531
600654.81 (00011724)	4134575.98	31.16020	(00011724)	600659.56	4134570.29	31.53665
600664.31 (00011724)	4134564.59	31.86913	(00011724)	600669.06	4134558.90	32.15801
600673.81 (00011724)	4134553.20	32.43740	(00011724)	600678.56	4134547.51	32.70783
600683.31 (00011724)	4134541.81	32.96081	(00011724)	600688.06	4134536.12	33.20502
600692.81 (00011724)	4134530.42	33.41708	(00011724)	600697.56	4134524.73	33.57967
600702.31 (00011724)	4134519.04	33.72781	(00011724)	600707.06	4134513.34	33.82651
600711.81 (00011724)	4134507.65	33.85544	(00011724)	600716.56	4134501.95	33.79841
600721.31 (00122924)	4134496.26	33.58718	(00011724)	600579.54	4134677.36	27.72662
600584.29 (00122924)	4134671.67	27.36726	(00122924)	600589.04	4134665.97	26.97852
600593.79 (00122924)	4134660.28	26.54509	(00122924)	600598.54	4134654.58	26.07938
600603.29 (99010924)	4134648.89	25.58740	(00122924)	600608.04	4134643.19	25.29179m

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600612.79 (99010924)	4134637.50	25.45409m (99010924)	600617.54	4134631.81	25.51575m
600622.29 (00011724)	4134626.11	26.34673 (00011724)	600627.04	4134620.42	27.13252
600631.79 (00011724)	4134614.72	27.84279 (00011724)	600636.54	4134609.03	28.47025
600641.29 (00011724)	4134603.33	29.02138 (00011724)	600646.04	4134597.64	29.50074
600650.79 (00011724)	4134591.94	29.92587 (00011724)	600655.54	4134586.25	30.31068
600660.29 (00011724)	4134580.56	30.71299 (00011724)	600665.04	4134574.86	31.08075
600669.79 (00011724)	4134569.17	31.40462 (00011724)	600674.54	4134563.47	31.68775
600679.29 (00011724)	4134557.78	31.93143 (00011724)	600684.04	4134552.08	32.18632
600688.79 (00011724)	4134546.39	32.46121 (00011724)	600693.54	4134540.69	32.69925
600698.29 (00011724)	4134535.00	32.90400 (00011724)	600703.04	4134529.31	33.05058
600707.79 (00011724)	4134523.61	33.17150 (00011724)	600712.54	4134517.92	33.26010
600717.29 (00011724)	4134512.22	33.29720 (00011724)	600722.04	4134506.53	33.22478
600726.79 (00011724)	4134500.83	32.99803 (00011724)	600731.54	4134495.14	32.58222
600736.29 (00011724)	4134489.44	31.95260 (00011724)	600741.04	4134483.75	31.04666
600745.79 (00122924)	4134478.06	29.86026 (00011724)	600580.53	4134696.35	27.70529
600570.05 (00122924)	4134704.64	28.75863 (00122924)	600559.58	4134712.93	29.66198
600590.51 (00122924)	4134686.51	26.59858 (00122924)	600595.26	4134680.82	26.02470
600600.01 (00122924)	4134675.12	25.43929 (00122924)	600604.76	4134669.43	24.92002
600609.51 (99010924)	4134663.73	24.38005 (00122924)	600614.26	4134658.04	24.35807m
600619.01 (99010924)	4134652.34	24.51366m (99010924)	600623.76	4134646.65	24.63604m
600628.51 (00011724)	4134640.96	24.88731 (00011724)	600633.26	4134635.26	25.75841
600638.01 (00011724)	4134629.57	26.53964 (00011724)	600642.76	4134623.87	27.23364
600647.51 (00011724)	4134618.18	27.84301 (00011724)	600652.26	4134612.48	28.38286
600657.01 (00011724)	4134606.79	28.85840 (00011724)	600661.76	4134601.09	29.28754
600666.51 (00011724)	4134595.40	29.67515 (00011724)	600671.26	4134589.71	30.02834
600676.01 (00011724)	4134584.01	30.35291 (00011724)	600680.76	4134578.32	30.65213
600685.51 (00011724)	4134572.62	30.93968 (00011724)	600690.26	4134566.93	31.20810
600695.01 (00011724)	4134561.23	31.44878 (00011724)	600699.76	4134555.54	31.65137
600704.51 (00011724)	4134549.84	31.87484 (00011724)	600709.26	4134544.15	32.04476
600714.01 (00011724)	4134538.46	32.18582 (00011724)	600718.76	4134532.76	32.29766
600723.51 (00011724)	4134527.07	32.35437 (00011724)	600728.26	4134521.37	32.35469
600733.01	4134515.68	32.25036 (00011724)	600737.76	4134509.98	31.97930

(00011724)	600742.51	4134504.29	31.51164	(00011724)	600747.26	4134498.59	30.84163
(00011724)	600752.01	4134492.90	29.93209	(00011724)	600756.76	4134487.21	28.77466
(00011724)	600591.58	4134705.44	26.66612	(00122924)	600581.27	4134713.60	27.88239
(00122924)	600570.96	4134721.76	29.07476	(00122924)	600601.48	4134695.66	25.31164
(00122924)	600606.23	4134689.97	24.64119	(00122924)	600610.98	4134684.27	23.95448
(00122924)	600615.73	4134678.58	23.34346m	(99010924)	600620.48	4134672.88	23.56439m
(99010924)	600625.23	4134667.19	23.80643m	(99010924)	600629.98	4134661.50	24.02074m
(99010924)	600634.73	4134655.80	24.17837m	(99010924)	600639.48	4134650.11	24.46676
(00011724)							

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600644.23 (00011724)	4134644.41	25.32843 (00011724)	600648.98	4134638.72	26.10873
600653.73 (00011724)	4134633.02	26.79502 (00011724)	600658.48	4134627.33	27.38603
600663.23 (00011724)	4134621.63	27.91397 (00011724)	600667.98	4134615.94	28.38548
600672.73 (00011724)	4134610.25	28.80842 (00011724)	600677.48	4134604.55	29.18916
600682.23 (00011724)	4134598.86	29.53268 (00011724)	600686.98	4134593.16	29.88801
600691.73 (00011724)	4134587.47	30.21972 (00011724)	600696.48	4134581.77	30.52031
600701.23 (00011724)	4134576.08	30.77736 (00011724)	600705.98	4134570.38	30.99171
600710.73 (00011724)	4134564.69	31.15137 (00011724)	600715.48	4134559.00	31.28185
600720.23 (00011724)	4134553.30	31.42261 (00011724)	600724.98	4134547.61	31.55311
600729.73 (00011724)	4134541.91	31.64131 (00011724)	600734.48	4134536.22	31.67090
600739.23 (00011724)	4134530.52	31.62139 (00011724)	600743.98	4134524.83	31.47243
600748.73 (00011724)	4134519.13	31.19765 (00011724)	600753.48	4134513.44	30.72943
600758.23 (00011724)	4134507.75	30.02286 (00011724)	600762.98	4134502.05	29.05570
600767.73 (00122924)	4134496.36	27.83339 (00011724)	600601.98	4134715.04	25.50670

600596.25 (00122924)	4134719.57	26.33555 (00122924)	600590.52	4134724.11	27.11208
600584.79 (00122924)	4134728.64	27.86937 (00122924)	600579.07	4134733.17	28.60622
600573.34 (00122924)	4134737.71	29.28178 (00122924)	600567.61	4134742.24	29.76762
600607.70 (00122924)	4134710.51	24.65828 (00122924)	600612.45	4134704.81	23.92933
600617.20 (99010924)	4134699.12	23.18426 (00122924)	600621.95	4134693.42	22.89780m
600626.70 (99010924)	4134687.73	23.14201m (99010924)	600631.45	4134682.04	23.36759m
600636.20 (99010924)	4134676.34	23.54588m (99010924)	600640.95	4134670.65	23.75521m
600645.70 (00011724)	4134664.95	23.89337m (99010924)	600650.45	4134659.26	24.19404
600655.20 (00011724)	4134653.56	25.03259 (00011724)	600659.95	4134647.87	25.76085
600664.70 (00011724)	4134642.17	26.41916 (00011724)	600669.45	4134636.48	27.00937
600674.20 (00011724)	4134630.79	27.53799 (00011724)	600678.95	4134625.09	28.01117
600683.70 (00011724)	4134619.40	28.43328 (00011724)	600688.45	4134613.70	28.86649
600693.20 (00011724)	4134608.01	29.26632 (00011724)	600697.95	4134602.31	29.63852
600702.70 (00011724)	4134596.62	29.98606 (00011724)	600707.45	4134590.92	30.29965
600712.20 (00011724)	4134585.23	30.59299 (00011724)	600716.95	4134579.54	30.73267
600721.70 (00011724)	4134573.84	30.84104 (00011724)	600726.45	4134568.15	30.94338
600731.20 (00011724)	4134562.45	31.01052 (00011724)	600735.95	4134556.76	31.04873
600740.70 (00011724)	4134551.06	31.11102 (00011724)	600745.45	4134545.37	31.13265
600750.20 (00011724)	4134539.67	31.10257 (00011724)	600754.95	4134533.98	30.95838
600759.70 (00011724)	4134528.29	30.66611 (00011724)	600764.45	4134522.59	30.15533
600769.20 (00011724)	4134516.90	29.40034 (00011724)	600773.95	4134511.20	28.40016
600778.70 (00122924)	4134505.51	27.15849 (00011724)	600613.07	4134724.09	24.14930
600607.47 (00122924)	4134728.52	25.02491 (00122924)	600601.87	4134732.96	25.86825
600596.27 (00122924)	4134737.39	26.68466 (00122924)	600590.67	4134741.82	27.39405
600585.08 (00122924)	4134746.25	28.04444 (00122924)	600579.48	4134750.69	28.61795
600573.88 (00122924)	4134755.12	29.12080 (00122924)	600618.67	4134719.66	23.27032

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*** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI		IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
(YYMMDDHH)							
600623.42	4134713.96	22.47871	(00122924)	600628.17	4134708.27	22.61495m	
(99010924)							
600632.92	4134702.57	22.88719m	(99010924)	600637.67	4134696.88	23.12334m	
(99010924)							
600642.42	4134691.19	23.32715m	(99010924)	600647.17	4134685.49	23.50195m	
(99010924)							
600651.92	4134679.80	23.65159m	(99010924)	600656.67	4134674.10	23.67701m	
(99010924)							
600661.42	4134668.41	23.94295	(00011724)	600666.17	4134662.71	24.73545	
(00011724)							
600670.92	4134657.02	25.45563	(00011724)	600675.67	4134651.32	26.11010	
(00011724)							
600680.42	4134645.63	26.69996	(00011724)	600685.17	4134639.94	27.25218	
(00011724)							
600689.92	4134634.24	27.78612	(00011724)	600694.67	4134628.55	28.26189	
(00011724)							
600699.42	4134622.85	28.71025	(00011724)	600704.17	4134617.16	29.12384	
(00011724)							
600708.92	4134611.46	29.50723	(00011724)	600713.67	4134605.77	29.86437	
(00011724)							
600718.42	4134600.07	30.14960	(00011724)	600723.17	4134594.38	30.37689	
(00011724)							
600727.92	4134588.69	30.54768	(00011724)	600732.67	4134582.99	30.66340	
(00011724)							
600737.42	4134577.30	30.72457	(00011724)	600742.17	4134571.60	30.76054	
(00011724)							
600746.92	4134565.91	30.81675	(00011724)	600751.67	4134560.21	30.83646	
(00011724)							
600756.42	4134554.52	30.81504	(00011724)	600761.17	4134548.82	30.75507	
(00011724)							
600765.92	4134543.13	30.57634	(00011724)	600770.67	4134537.44	30.24698	
(00011724)							
600775.42	4134531.74	29.70991	(00011724)	600780.17	4134526.05	28.91858	
(00011724)							
600784.92	4134520.35	27.86051	(00011724)	600789.67	4134514.66	26.61458	
(00011724)							
600624.14	4134733.16	22.75761	(00122924)	600618.65	4134737.51	23.62493	
(00122924)							
600613.15	4134741.87	24.44713	(00122924)	600607.65	4134746.22	25.24712	
(00122924)							
600602.15	4134750.57	26.02228	(00122924)	600596.66	4134754.92	26.76316	
(00122924)							
600591.16	4134759.27	27.43632	(00122924)	600585.66	4134763.63	28.01952	
(00122924)							
600580.16	4134767.98	28.56295	(00122924)	600629.64	4134728.81	22.13424m	
(99010924)							
600634.39	4134723.11	22.50100m	(99010924)	600639.14	4134717.42	22.78119m	
(99010924)							
600643.89	4134711.73	22.96079m	(99010924)	600648.64	4134706.03	23.08105m	
(99010924)							
600653.39	4134700.34	23.27079m	(99010924)	600658.14	4134694.64	23.37811m	
(99010924)							
600662.89	4134688.95	23.40019m	(99010924)	600667.64	4134683.25	23.34006m	
(99010924)							
600672.39	4134677.56	23.71912	(00011724)	600677.14	4134671.86	24.48904	
(00011724)							
600681.89	4134666.17	25.20123	(00011724)	600686.64	4134660.48	25.88335	

(00011724)	600691.39	4134654.78	26.53222	(00011724)	600696.14	4134649.09	27.12957
(00011724)	600700.89	4134643.39	27.68005	(00011724)	600705.64	4134637.70	28.18597
(00011724)	600710.39	4134632.00	28.63772	(00011724)	600715.14	4134626.31	29.06743
(00011724)	600719.89	4134620.61	29.46600	(00011724)	600724.64	4134614.92	29.81814
(00011724)	600729.39	4134609.23	30.10656	(00011724)	600734.14	4134603.53	30.31330
(00011724)	600738.89	4134597.84	30.47426	(00011724)	600743.64	4134592.14	30.59036
(00011724)	600748.39	4134586.45	30.71107	(00011724)	600753.14	4134580.75	30.79684
(00011724)	600757.89	4134575.06	30.83824	(00011724)	600762.64	4134569.36	30.82358
(00011724)	600767.39	4134563.67	30.73565	(00011724)	600772.14	4134557.98	30.55296
(00011724)	600776.89	4134552.28	30.30928	(00011724)	600781.64	4134546.59	29.89959
(00011724)	600786.39	4134540.89	29.29905	(00011724)	600791.14	4134535.20	28.47834

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*** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600795.89 (00011724)	4134529.50	27.43728 (00011724)	600800.64	4134523.81	26.19821
600635.20 (00122924)	4134742.25	22.02457m (99010924)	600624.37	4134750.82	22.93503
600618.95 (00122924)	4134755.10	23.73899 (00122924)	600613.54	4134759.39	24.55028
600608.13 (00122924)	4134763.68	25.33649 (00122924)	600602.71	4134767.96	26.15620
600591.88 (99010924)	4134776.54	27.80652 (00122924)	600640.61	4134737.96	22.52569m
600645.36 (99010924)	4134732.27	22.87192m (99010924)	600650.11	4134726.57	23.09713m
600654.86 (99010924)	4134720.88	23.23182m (99010924)	600659.61	4134715.18	23.26375m
600664.36 (99010924)	4134709.49	23.23966m (99010924)	600669.11	4134703.79	23.23986m
600673.86 (99010924)	4134698.10	23.21527m (99010924)	600678.61	4134692.40	23.12249m
600683.36 (00011724)	4134686.71	23.62290 (00011724)	600688.11	4134681.02	24.38178
600692.86 (00011724)	4134675.32	25.10181 (00011724)	600697.61	4134669.63	25.80001

600702.36 (00011724)	4134663.93	26.46030	(00011724)	600707.11	4134658.24	27.07211
600711.86 (00011724)	4134652.54	27.63861	(00011724)	600716.61	4134646.85	28.16232
600721.36 (00011724)	4134641.15	28.64733	(00011724)	600726.11	4134635.46	29.07794
600730.86 (00011724)	4134629.77	29.49259	(00011724)	600735.61	4134624.07	29.87795
600740.36 (00011724)	4134618.38	30.23589	(00011724)	600745.11	4134612.68	30.48276
600749.86 (00011724)	4134606.99	30.65603	(00011724)	600754.61	4134601.29	30.79697
600759.36 (00011724)	4134595.60	30.90267	(00011724)	600764.11	4134589.90	30.96760
600768.86 (00011724)	4134584.21	30.98202	(00011724)	600773.61	4134578.52	30.93364
600778.36 (00011724)	4134572.82	30.75001	(00011724)	600783.11	4134567.13	30.52362
600787.86 (00011724)	4134561.43	30.18999	(00011724)	600792.61	4134555.74	29.74069
600797.36 (00011724)	4134550.04	29.08624	(00011724)	600802.11	4134544.35	28.21932
600806.86 (00011724)	4134538.65	27.13001	(00011724)	600811.61	4134532.96	25.87334
600646.24 (00122924)	4134751.34	22.32881m	(99010924)	600635.55	4134759.80	21.69862
600624.86 (00122924)	4134768.27	23.19609	(00122924)	600614.17	4134776.73	25.33112
600603.48 (99010924)	4134785.19	27.11487	(00122924)	600656.33	4134741.42	23.18247m
600661.08 (99010924)	4134735.72	23.45807m	(99010924)	600665.83	4134730.03	23.51306m
600670.58 (99010924)	4134724.33	23.49640m	(99010924)	600675.33	4134718.64	23.42651m
600680.08 (99010924)	4134712.94	23.30621m	(99010924)	600684.83	4134707.25	23.15070m
600689.58 (00011724)	4134701.55	23.00989m	(99010924)	600694.33	4134695.86	23.73165
600699.08 (00011724)	4134690.17	24.48555	(00011724)	600703.83	4134684.47	25.17920
600708.58 (00011724)	4134678.78	25.81479	(00011724)	600713.33	4134673.08	26.44216
600718.08 (00011724)	4134667.39	27.06717	(00011724)	600722.83	4134661.69	27.64892
600727.58 (00011724)	4134656.00	28.18954	(00011724)	600732.33	4134650.30	28.69225
600737.08 (00011724)	4134644.61	29.15949	(00011724)	600741.83	4134638.92	29.57363
600746.58 (00011724)	4134633.22	29.93355	(00011724)	600751.33	4134627.53	30.28350
600756.08 (00011724)	4134621.83	30.65084	(00011724)	600760.83	4134616.14	30.99063
600765.58 (00011724)	4134610.44	31.12346	(00011724)	600770.33	4134604.75	31.21553
600775.08 (00011724)	4134599.05	31.23644	(00011724)	600779.83	4134593.36	31.11002
600784.58 (00011724)	4134587.67	30.92388	(00011724)	600789.33	4134581.97	30.72259

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600794.08 (00011724)	4134576.28	30.45869 (00011724)	(00011724)	600798.83	4134570.58	30.08728
600803.58 (00011724)	4134564.89	29.62287 (00011724)	(00011724)	600808.33	4134559.19	28.93418
600813.08 (00011724)	4134553.50	28.02179 (00011724)	(00011724)	600817.83	4134547.80	26.89792
600822.58 (99010924)	4134542.11	25.63668 (99010924)	(00011724)	600666.16	4134768.34	22.67169m
600660.58 (99010924)	4134772.76	22.52153m (99010924)	(99010924)	600655.00	4134777.18	22.35988m
600649.41 (00122924)	4134781.60	22.05353m (99010924)	(99010924)	600643.83	4134786.02	22.05705
600638.25 (00122924)	4134790.44	22.97398 (00122924)	(00122924)	600632.67	4134794.85	23.88165
600627.09 (00122924)	4134799.27	24.77053 (00122924)	(00122924)	600621.51	4134803.69	25.63322
600615.93 (00122924)	4134808.11	26.47089 (00122924)	(00122924)	600610.34	4134812.53	27.00885
600604.76 (99010924)	4134816.95	27.34827 (00122924)	(00122924)	600671.74	4134763.93	22.91252m
600676.49 (99010924)	4134758.23	23.18972m (99010924)	(99010924)	600681.24	4134752.54	23.43377m
600685.99 (99010924)	4134746.84	23.62991m (99010924)	(99010924)	600690.74	4134741.15	23.77322m
600695.49 (99010924)	4134735.45	23.76261m (99010924)	(99010924)	600700.24	4134729.76	23.62227m
600704.99 (00011724)	4134724.06	23.37296m (99010924)	(99010924)	600709.74	4134718.37	23.52267
600714.49 (00011724)	4134712.68	24.20561 (00011724)	(00011724)	600719.24	4134706.98	24.76784
600723.99 (00011724)	4134701.29	25.38460 (00011724)	(00011724)	600728.74	4134695.59	26.00240
600733.49 (00011724)	4134689.90	26.60546 (00011724)	(00011724)	600738.24	4134684.20	27.20008
600742.99 (00011724)	4134678.51	27.79065 (00011724)	(00011724)	600747.74	4134672.81	28.25863
600752.49 (00011724)	4134667.12	28.68322 (00011724)	(00011724)	600757.24	4134661.43	29.06672
600761.99 (00011724)	4134655.73	29.41154 (00011724)	(00011724)	600766.74	4134650.04	29.71822
600771.49 (00011724)	4134644.34	30.03233 (00011724)	(00011724)	600776.24	4134638.65	30.40254
600780.99 (00011724)	4134632.95	30.71683 (00011724)	(00011724)	600785.74	4134627.26	31.01880
600790.49 (00011724)	4134621.56	31.27882 (00011724)	(00011724)	600795.24	4134615.87	31.45944
600799.99 (00011724)	4134610.18	31.28308 (00011724)	(00011724)	600804.74	4134604.48	31.01332
600809.49 (00011724)	4134598.79	30.66322 (00011724)	(00011724)	600814.24	4134593.09	30.23749
600818.99	4134587.40	29.73411 (00011724)	(00011724)	600823.74	4134581.70	29.16698

(00011724)							
600828.49	4134576.01	28.44407	(00011724)	600833.24	4134570.31	27.56111	
(00011724)							
600837.99	4134564.62	26.52855	(00011724)	600842.74	4134558.93	25.36533	
(00011724)							
600686.11	4134785.32	22.69820m	(99010924)	600680.33	4134789.90	22.48530m	
(99010924)							
600674.55	4134794.48	22.22072m	(99010924)	600668.76	4134799.05	21.88484m	
(99010924)							
600662.98	4134803.63	21.53786m	(99010924)	600657.19	4134808.21	21.12410m	
(99010924)							
600651.41	4134812.79	21.32847m	(00012824)	600645.63	4134817.37	22.18835	
(00122924)							
600639.84	4134821.95	23.12607	(00122924)	600634.06	4134826.53	24.04194	
(00122924)							
600628.27	4134831.11	24.92714	(00122924)	600622.49	4134835.69	25.77583	
(00122924)							
600616.71	4134840.26	26.43866	(00122924)	600691.90	4134780.74	22.85673m	
(99010924)							
600696.65	4134775.05	22.99237m	(99010924)	600701.40	4134769.35	23.07748m	
(99010924)							
600706.15	4134763.66	23.11252m	(99010924)	600710.90	4134757.96	23.09472m	
(99010924)							
600715.65	4134752.27	23.02729m	(99010924)	600720.40	4134746.57	22.91289m	
(99010924)							
600725.15	4134740.88	22.78953	(00011724)	600729.90	4134735.18	23.70825	
(00011724)							
600734.65	4134729.49	24.56472	(00011724)	600739.40	4134723.80	25.28768	
(00011724)							

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600744.15	4134718.10	25.75396	(00011724)	600748.90	4134712.41	26.25882
(00011724)						
600753.65	4134706.71	26.73813	(00011724)	600758.40	4134701.02	27.32219
(00011724)						
600763.15	4134695.32	27.86471	(00011724)	600767.90	4134689.63	28.29677
(00011724)						
600772.65	4134683.93	28.64262	(00011724)	600777.40	4134678.24	28.90468
(00011724)						
600782.15	4134672.55	29.23692	(00011724)	600786.90	4134666.85	29.55229
(00011724)						
600791.65	4134661.16	29.82911	(00011724)	600796.40	4134655.46	30.06666
(00011724)						
600801.15	4134649.77	30.26185	(00011724)	600805.90	4134644.07	30.45714
(00011724)						
600810.65	4134638.38	30.64646	(00011724)	600815.40	4134632.68	30.73018
(00011724)						

600820.15 (00011724)	4134626.99	30.69605 (00011724)	600824.90	4134621.30	30.55538
600829.65 (00011724)	4134615.60	30.25218 (00011724)	600834.40	4134609.91	29.86178
600839.15 (00011724)	4134604.21	29.40571 (00011724)	600843.90	4134598.52	28.80958
600848.65 (00011724)	4134592.82	28.06551 (00011724)	600853.40	4134587.13	27.17615
600858.15 (00011724)	4134581.43	26.15017 (00011724)	600862.90	4134575.74	25.01040
600706.47 (99010924)	4134801.98	22.28441m (99010924)	600700.88	4134806.40	22.15348m
600695.29 (99010924)	4134810.82	21.97384m (99010924)	600689.71	4134815.25	21.74983m
600684.12 (99010924)	4134819.67	21.47928m (99010924)	600678.53	4134824.09	21.16523m
600672.95 (00012824)	4134828.51	20.80907m (99010924)	600667.36	4134832.94	20.52441m
600661.77 (00012824)	4134837.36	20.86486m (00012824)	600656.18	4134841.78	21.15532m
600650.60 (00122924)	4134846.21	21.82377 (00122924)	600645.01	4134850.63	22.70435
600639.42 (00122924)	4134855.05	23.56114 (00122924)	600633.84	4134859.48	24.38934
600628.25 (99010924)	4134863.90	25.18697 (00122924)	600712.06	4134797.55	22.33191m
600716.81 (99010924)	4134791.86	22.43910m (99010924)	600721.56	4134786.17	22.46324m
600726.31 (99010924)	4134780.47	22.44132m (99010924)	600731.06	4134774.78	22.37158m
600735.81 (99010924)	4134769.08	22.25682m (99010924)	600740.56	4134763.39	22.09462m
600745.31 (00011724)	4134757.69	22.64407 (00011724)	600750.06	4134752.00	23.54686
600754.81 (00011724)	4134746.30	24.38114 (00011724)	600759.56	4134740.61	25.15156
600764.31 (00011724)	4134734.92	25.86774 (00011724)	600769.06	4134729.22	26.53930
600773.81 (00011724)	4134723.53	27.16258 (00011724)	600778.56	4134717.83	27.74979
600783.31 (00011724)	4134712.14	28.02843 (00011724)	600788.06	4134706.44	28.20324
600792.81 (00011724)	4134700.75	28.48526 (00011724)	600797.56	4134695.05	28.77530
600802.31 (00011724)	4134689.36	29.07106 (00011724)	600807.06	4134683.67	29.32757
600811.81 (00011724)	4134677.97	29.48181 (00011724)	600816.56	4134672.28	29.65920
600821.31 (00011724)	4134666.58	29.83428 (00011724)	600826.06	4134660.89	30.02236
600830.81 (00011724)	4134655.19	30.17603 (00011724)	600835.56	4134649.50	30.30925
600840.31 (00011724)	4134643.80	30.32475 (00011724)	600845.06	4134638.11	30.18767
600849.81 (00011724)	4134632.42	29.94923 (00011724)	600854.56	4134626.72	29.59577
600859.31 (00011724)	4134621.03	29.11664 (00011724)	600864.06	4134615.33	28.50205
600868.81 (00011724)	4134609.64	27.75023 (00011724)	600873.56	4134603.94	26.86306
600878.31 (00011724)	4134598.25	25.85426 (00011724)	600883.06	4134592.55	24.74131
600726.46 (99010924)	4134818.92	21.78840m (99010924)	600720.71	4134823.48	21.71391m

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600714.95 (99010924)	4134828.03	21.59452m (99010924)		600709.20	4134832.59	21.42604m
600703.45 (99010924)	4134837.14	21.21314m (99010924)		600697.69	4134841.70	20.95477m
600691.94 (99010924)	4134846.25	20.65429m (99010924)		600686.18	4134850.81	20.31234m
600680.43 (00012824)	4134855.36	19.89947m (99010924)		600674.68	4134859.92	20.15188m
600668.92 (00012824)	4134864.47	20.46279m (00012824)		600663.17	4134869.03	20.73390m
600657.42 (00122924)	4134873.58	21.08539 (00122924)		600651.66	4134878.14	22.03276
600645.91 (00122924)	4134882.69	22.92550 (00122924)		600640.15	4134887.25	23.75504
600732.21 (99010924)	4134814.37	21.81279m (99010924)		600736.96	4134808.67	21.82828m
600741.71 (99010924)	4134802.98	21.79774m (99010924)		600746.46	4134797.29	21.69268m
600751.21 (99010924)	4134791.59	21.60997m (99010924)		600755.96	4134785.90	21.45065m
600760.71 (00011724)	4134780.20	21.52118 (00011724)		600765.46	4134774.51	22.48897
600770.21 (00011724)	4134768.81	23.38523 (00011724)		600774.96	4134763.12	24.21257
600779.71 (00011724)	4134757.42	24.97993 (00011724)		600784.46	4134751.73	25.69022
600789.21 (00011724)	4134746.04	26.34954 (00011724)		600793.96	4134740.34	26.96291
600798.71 (00011724)	4134734.65	27.53530 (00011724)		600803.46	4134728.95	28.08012
600808.21 (00011724)	4134723.26	28.40327 (00011724)		600812.96	4134717.56	28.56017
600817.71 (00011724)	4134711.87	28.71262 (00011724)		600822.46	4134706.17	28.90230
600827.21 (00011724)	4134700.48	29.12128 (00011724)		600831.96	4134694.79	29.25994
600836.71 (00011724)	4134689.09	29.38003 (00011724)		600841.46	4134683.40	29.45656
600846.21 (00011724)	4134677.70	29.50375 (00011724)		600850.96	4134672.01	29.64577
600855.71 (00011724)	4134666.31	29.77902 (00011724)		600860.46	4134660.62	29.81584
600865.21 (00011724)	4134654.92	29.78276 (00011724)		600869.96	4134649.23	29.64696
600874.71	4134643.54	29.33621 (00011724)		600879.46	4134637.84	28.84115

(00011724)							
600884.21	4134632.15	28.21823	(00011724)	600888.96	4134626.45	27.46598	
(00011724)							
600893.71	4134620.76	26.59023	(00011724)	600898.46	4134615.06	25.60251	
(00011724)							
600903.21	4134609.37	24.52179	(00011724)	600760.53	4134452.73	23.90047	
(00011724)							
600756.32	4134459.97	25.72440	(00011724)	600752.11	4134467.20	27.52386	
(00011724)							
600764.13	4134445.11	22.92174m	(99010324)	600773.87	4134457.80	22.11491	
(00011724)							
600769.59	4134465.15	23.83591	(00011724)	600765.32	4134472.50	25.59008	
(00011724)							
600761.04	4134479.86	27.28782	(00011724)	600777.51	4134450.13	21.49418m	
(99010324)							
600787.42	4134462.53	20.36986	(00011724)	600783.48	4134469.29	21.85629	
(00011724)							
600779.54	4134476.06	23.41896	(00011724)	600775.61	4134482.83	25.00094	
(00011724)							
600771.67	4134489.59	26.49685	(00011724)	600790.89	4134455.14	20.11941m	
(99010324)							
600800.76	4134467.61	18.94497	(00011724)	600796.75	4134474.50	20.35234	
(00011724)							
600792.74	4134481.39	21.84910	(00011724)	600788.73	4134488.28	23.40823	
(00011724)							
600784.72	4134495.17	24.94855	(00011724)	600804.26	4134460.16	18.90025m	
(99010324)							
600814.10	4134472.68	17.77774	(00011724)	600810.03	4134479.67	19.07084	
(00011724)							
600805.96	4134486.67	20.48440	(00011724)	600801.89	4134493.67	21.99342	
(00011724)							
600797.82	4134500.66	23.57489	(00011724)	600793.74	4134507.66	25.15162	
(00011724)							
600817.64	4134465.18	18.18157m	(99011524)	600827.45	4134477.74	17.08731m	
(99011524)							

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600823.33 (00011724)	4134484.82	17.96513 (00011724)	600819.20	4134491.91	19.29957
600815.08 (00011724)	4134499.00	20.75724 (00011724)	600810.95	4134506.09	22.34288
600806.83 (99011524)	4134513.18	23.93709 (00011724)	600831.01	4134470.19	17.68501m
600840.80 (00011724)	4134482.79	16.55871m (99011524)	600836.63	4134489.96	17.00172
600832.46 (00011724)	4134497.13	18.23929 (00011724)	600828.29	4134504.29	19.67850

600824.12 (00011724)	4134511.46	21.21181	(00011724)	600819.95	4134518.63	22.79948
600815.78 (99011524)	4134525.79	24.38350	(00011724)	600844.39	4134475.21	17.18747m
600854.16 (00011724)	4134487.84	16.05996m	(99011524)	600849.95	4134495.08	16.21619
600845.74 (00011724)	4134502.31	17.41683	(00011724)	600841.53	4134509.55	18.74957
600837.32 (00011724)	4134516.79	20.20794	(00011724)	600833.11	4134524.02	21.75931
600828.90 (99011524)	4134531.26	23.34786	(00011724)	600857.77	4134480.22	16.70472m
600878.73 (00011724)	4134497.08	15.13038m	(99011524)	600874.49	4134504.36	14.92686
600870.26 (00011724)	4134511.63	16.03596	(00011724)	600866.03	4134518.91	17.21757
600861.79 (00011724)	4134526.18	18.50087	(00011724)	600857.56	4134533.46	19.97506
600853.32 (00011724)	4134540.74	21.53464	(00011724)	600849.09	4134548.01	23.10625
600882.34 (99011524)	4134489.44	15.82426m	(99011524)	600903.30	4134506.31	14.12815m
600899.04 (00011724)	4134513.62	13.80742	(00011724)	600894.79	4134520.93	14.92889
600890.54 (00011724)	4134528.24	16.08939	(00011724)	600886.29	4134535.55	17.28096
600882.03 (00011724)	4134542.85	18.58677	(00011724)	600877.78	4134550.16	19.98427
600873.53 (00011724)	4134557.47	21.47896	(00011724)	600869.28	4134564.78	22.92824
600906.92 (99011524)	4134498.66	14.84099m	(99011524)	600927.87	4134515.54	13.02845m
600923.60 (00011724)	4134522.88	12.64354	(00011724)	600919.33	4134530.21	13.66160
600915.06 (00011724)	4134537.55	14.77369	(00011724)	600910.80	4134544.88	15.95957
600906.53 (00011724)	4134552.21	17.22406	(00011724)	600902.26	4134559.55	18.54118
600897.99 (00011724)	4134566.88	19.90053	(00011724)	600893.73	4134574.22	21.30457
600889.46 (99011524)	4134581.55	22.71217	(00011724)	600931.50	4134507.88	13.79943m
600952.44 (99011424)	4134524.77	12.40667m	(99011424)	600948.16	4134532.13	12.05475m
600943.88 (00011724)	4134539.48	12.65535	(00011724)	600939.60	4134546.84	13.66637
600935.32 (00011724)	4134554.20	14.76350	(00011724)	600931.04	4134561.55	15.94706
600926.76 (00011724)	4134568.91	17.19935	(00011724)	600922.48	4134576.27	18.49413
600918.20 (00011724)	4134583.62	19.82252	(00011724)	600913.92	4134590.98	21.18749
600909.63 (99011524)	4134598.33	22.55177	(00011724)	600956.08	4134517.09	12.77490m
600781.09 (99010324)	4134434.66	22.08032m	(99010324)	600797.50	4134422.93	20.99773m
600795.46 (99010324)	4134434.22	20.80318m	(99010324)	600793.41	4134445.50	20.47568m
600811.83 (99011524)	4134422.72	20.40272m	(99011524)	600809.80	4134433.87	20.08438m
600807.78 (99011524)	4134445.01	19.58437m	(99011524)	600828.14	4134411.52	20.24810m
600826.14 (99011524)	4134422.55	20.21988m	(99011524)	600824.14	4134433.59	19.94351m

600822.14 (99011524)	4134444.62	19.46976m (99011524)	600820.14	4134455.66	18.83250m
600842.44 (99011524)	4134411.47	20.08730m (99011524)	600840.45	4134422.42	20.06456m
600838.47 (99011524)	4134433.36	19.81073m (99011524)	600836.48	4134444.30	19.35768m

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600834.50 (99011524)	4134455.25	18.73940m (99011524)	600843.43	4134400.00	19.84389m
600856.73 (99011524)	4134411.43	19.95496m (99011524)	600854.76	4134422.30	19.93210m
600852.79 (99011524)	4134433.17	19.68982m (99011524)	600850.82	4134444.04	19.24975m
600848.85 (99011524)	4134454.91	18.64741m (99011524)	600846.88	4134465.77	17.90617m
600857.71 (99011524)	4134400.00	19.72488m (99011524)	600870.94	4134411.85	19.83646m
600868.82 (99011524)	4134423.56	19.79233m (99011524)	600866.69	4134435.26	19.49928m
600864.57 (99011524)	4134446.96	18.99027m (99011524)	600862.45	4134458.67	18.29757m
600860.33 (99011524)	4134470.37	17.46850m (99011524)	600872.00	4134400.00	19.61734m
600897.22 (99011524)	4134411.67	19.63547m (99011524)	600895.16	4134423.02	19.58949m
600893.11 (99011524)	4134434.37	19.32333m (99011524)	600891.05	4134445.72	18.90571m
600888.99 (99011524)	4134457.07	18.32279m (99011524)	600886.93	4134468.42	17.57340m
600884.87 (99011524)	4134479.77	16.67042m (99011524)	600898.25	4134400.00	19.44081m
600923.50 (99011524)	4134411.54	19.45237m (99011524)	600921.49	4134422.62	19.40368m
600919.48 (99011524)	4134433.71	19.14951m (99011524)	600917.47	4134444.79	18.76089m
600915.46 (99011524)	4134455.87	18.23724m (99011524)	600913.45	4134466.95	17.56840m
600911.44 (99011524)	4134478.04	16.69599m (99011524)	600909.43	4134489.12	15.72516m
600924.50 (99011524)	4134400.00	19.28412m (99011524)	600949.71	4134411.76	19.28412m
600947.62 (99011524)	4134423.27	19.21256m (99011524)	600945.53	4134434.79	18.92869m
600943.44 (99011524)	4134446.30	18.47650m (99011524)	600941.35	4134457.82	17.86357m
600939.27	4134469.33	17.12789m (99011524)	600937.18	4134480.85	16.26074m

(99011524)	600935.09	4134492.36	15.28716m (99011524)	600950.75	4134400.00	19.14063m
(99011524)	600975.98	4134411.64	19.12299m (99011524)	600973.93	4134422.91	19.04278m
(99011524)	600971.89	4134434.18	18.77148m (99011524)	600969.85	4134445.46	18.32054m
(99011524)	600967.80	4134456.73	17.71126m (99011524)	600965.76	4134468.00	16.96575m
(99011524)	600963.71	4134479.27	16.17606m (99011524)	600961.67	4134490.55	15.28600m
(99011524)	600959.62	4134501.82	14.28332m (99011524)	600977.00	4134400.00	19.00407m
(99011524)	600869.97	4134390.44	19.24978m (99011524)	600893.37	4134377.03	18.33992m
(99011524)	600895.32	4134386.22	18.90086m (99011524)	600917.58	4134367.37	17.58199m
(99011524)	600919.55	4134376.69	18.25477m (99011524)	600921.53	4134386.02	18.78295m
(98010824)	600947.75	4134385.85	18.67751m (99011524)	600749.25	4134234.05	30.99765m
(98010824)	600743.71	4134229.67	31.39836m (98010824)	600738.18	4134225.28	31.79447m
(98010824)	600732.64	4134220.90	32.14171m (98010824)	600727.10	4134216.52	32.42701m
(98010824)	600721.56	4134212.13	32.65278m (98010824)	600716.02	4134207.75	32.81473m
(98010824)	600710.48	4134203.36	32.88117m (98010824)	600704.94	4134198.98	32.83330m
(98010824)	600699.41	4134194.59	32.66744m (98010824)	600758.12	4134222.85	30.42944m
(98010824)	600752.58	4134218.47	30.83707m (98010824)	600747.04	4134214.08	31.16089m
(98010824)	600741.50	4134209.70	31.45564m (98010824)	600735.97	4134205.31	31.72477m
(98010824)	600730.43	4134200.93	31.93162m (98010824)	600724.89	4134196.55	32.07331m
(98010824)	600719.35	4134192.16	32.08915m (98010824)	600713.81	4134187.78	32.01862m
(98010824)	600708.27	4134183.39	31.81057m (98010824)	600766.99	4134211.65	29.98647m

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600761.45	4134207.27	30.36415m (98010824)	600755.91	4134202.88	30.68588m
(98010824)					
600750.37	4134198.50	30.92577m (98010824)	600744.83	4134194.11	31.07071m
(98010824)					

600739.29 (98010824)	4134189.73	31.17219m (98010824)	600733.76	4134185.34	31.22874m
600728.22 (98010824)	4134180.96	31.19814m (98010824)	600722.68	4134176.58	31.10567m
600717.14 (98010824)	4134172.19	30.93348m (98010824)	600777.74	4134186.69	29.48862m
600772.20 (98010824)	4134182.30	29.74011m (98010824)	600766.66	4134177.92	29.88386m
600761.13 (98010824)	4134173.53	29.95045m (98010824)	600755.59	4134169.15	29.94724m
600750.05 (98010824)	4134164.76	29.86718m (98010824)	600744.51	4134160.38	29.71154m
600738.97 (98010824)	4134155.99	29.51279m (98010824)	600733.43	4134151.61	29.22317m
600794.04 (98010824)	4134166.11	28.64853m (98010824)	600788.50	4134161.72	28.81259m
600782.96 (98010824)	4134157.34	28.90008m (98010824)	600777.42	4134152.95	28.91180m
600771.88 (98010824)	4134148.57	28.84908m (98010824)	600766.34	4134144.18	28.71150m
600821.41 (98010824)	4134154.29	27.25576m (98010824)	600815.87	4134149.91	27.58410m
600810.33 (98010824)	4134145.52	27.80352m (98010824)	600804.79	4134141.14	27.93610m
600799.25 (98010824)	4134136.75	27.96974m (98010824)	600793.71	4134132.37	27.92727m
600788.17 (98010824)	4134127.99	27.81351m (98010824)	600782.64	4134123.60	27.62697m
600777.10 (98010824)	4134119.22	27.36995m (98010824)	600771.56	4134114.83	27.04272m
600766.02 (99122824)	4134110.45	26.64948m (98010824)	600854.31	4134146.87	26.37157
600848.78 (99122824)	4134142.48	26.62725 (99122824)	600843.24	4134138.10	26.79826
600837.70 (98010824)	4134133.71	26.88313 (99122824)	600832.16	4134129.33	26.90583m
600826.62 (98010824)	4134124.94	27.03897m (98010824)	600821.08	4134120.56	27.09985m
600815.55 (98010824)	4134116.17	27.08567m (98010824)	600810.01	4134111.79	27.00040m
600804.47 (98010824)	4134107.40	26.84475m (98010824)	600798.93	4134103.02	26.62277m
600793.39 (98010824)	4134098.64	26.33334m (98010824)	600787.85	4134094.25	25.98254m
600782.31 (98010824)	4134089.87	25.57263m (98010824)	600689.04	4134187.28	32.17120m
600677.86 (98010824)	4134179.88	31.41120m (98010824)	600671.86	4134176.13	30.91995m
600665.86 (98010824)	4134172.38	30.36046m (98010824)	600659.86	4134168.63	29.73781m
600653.86 (98010824)	4134164.88	29.03479m (98010824)	600647.86	4134161.13	28.26071m
600641.86 (98010824)	4134157.38	27.45986m (98010824)	600697.04	4134175.47	31.19770m
600691.43 (98010824)	4134171.51	30.77879m (98010824)	600685.43	4134167.76	30.29956m
600679.43 (98010824)	4134164.01	29.70631m (98010824)	600673.43	4134160.26	29.03700m
600667.43 (98010824)	4134156.51	28.31869m (98010824)	600661.43	4134152.76	27.53635m
600655.43 (98010824)	4134149.01	26.71374m (98010824)	600649.43	4134145.26	25.85894m
600703.53 (98010824)	4134162.60	30.06878m (98010824)	600693.00	4134155.65	29.05860m

600687.00 (98010824)	4134151.90	28.40782m (98010824)	600681.00	4134148.15	27.69689m
600675.00 (98010824)	4134144.40	26.93363m (98010824)	600669.00	4134140.65	26.13651m
600663.00 (98010824)	4134136.90	25.29698m (98010824)	600657.00	4134133.15	24.45972m
600651.00 (98010824)	4134129.40	23.60206m (98010824)	600718.04	4134140.76	28.05487m
600706.91 (98010824)	4134133.39	26.91405m (98010824)	600700.91	4134129.64	26.26236m
600694.91 (98010824)	4134125.89	25.56269m (98010824)	600688.91	4134122.14	24.82201m

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600682.91 (98010824)	4134118.39	24.04778m (98010824)	600676.91	4134114.64	23.23952m
600670.91 (98010824)	4134110.89	22.39442m (98010824)	600664.91	4134107.14	21.50213m
600745.79 (98010824)	4134096.19	24.87610m (98010824)	600755.91	4134103.32	25.84661m
600734.74 (98010824)	4134088.87	23.70018m (98010824)	600728.74	4134085.12	23.02389m
600722.74 (98010824)	4134081.37	22.30674m (98010824)	600716.74	4134077.62	21.54714m
600710.74 (98010824)	4134073.87	20.74273m (98010824)	600704.74	4134070.12	19.88861m
600698.74 (98010824)	4134066.37	18.98252m (98010824)	600692.74	4134062.62	18.02120m
600760.18 (98010824)	4134074.26	23.58208m (98010824)	600771.25	4134082.06	24.66498m
600748.65 (98010824)	4134066.61	22.32969m (98010824)	600742.65	4134062.86	21.63586m
600736.65 (98010824)	4134059.11	20.89907m (98010824)	600730.65	4134055.36	20.11674m
600724.65 (98010824)	4134051.61	19.28735m (98010824)	600718.65	4134047.86	18.40941m
600712.65 (00011224)	4134044.11	17.48452m (98010824)	600706.65	4134040.36	17.18868
600641.60 (98010824)	4134120.86	21.72608m (98010824)	600657.67	4134100.10	19.95285m
600684.64 (00011224)	4134054.59	17.21885 (00011224)	600700.71	4134033.83	17.10855
600773.98 (98123124)	4134438.26	22.57470m (99010324)	600592.69	4134142.61	23.53626
600582.69 (98123124)	4134135.41	23.13180m (98121724)	600596.87	4134136.82	22.79169
600586.87	4134129.62	21.92295m (98121724)	600601.04	4134131.02	22.07283

(98123124)	600591.04	4134123.82	20.89045m	(98121724)	600605.22	4134125.22	21.38019
(98123124)	600595.22	4134118.02	20.00663m	(98121724)	600609.39	4134119.43	20.72017
(98123124)	600599.39	4134112.23	19.40483	(98123124)	600613.56	4134113.63	20.10204
(98123124)	600603.56	4134106.43	18.93693	(98123124)	600622.74	4134111.43	19.87919
(98123124)	600612.74	4134104.23	19.05249	(98123124)	600602.74	4134097.03	18.25709m
(98121724)	600661.93	4134161.89	28.87695m	(98010824)	600626.91	4134105.64	19.34508
(98123124)	600616.91	4134098.44	18.58054	(98123124)	600606.91	4134091.24	17.74795m
(98121724)	600663.03	4134144.54	26.39686m	(98010824)	600631.08	4134099.84	18.87611
(98123124)	600621.08	4134092.64	18.15701	(98123124)	600611.08	4134085.44	17.28561m
(98121724)	600650.21	4134112.82	21.20074m	(98010824)	600656.84	4134122.94	23.06673m
(98010824)	600625.26	4134086.84	17.77613	(98123124)	600615.26	4134079.64	16.86743
(98123124)	600654.25	4134106.83	20.67090m	(98010824)	600660.80	4134116.82	22.50019m
(98010824)	600667.35	4134126.81	24.20080m	(98010824)	600682.81	4134157.68	29.00844m
(98010824)	600678.27	4134187.20	32.12710m	(98010824)	600629.43	4134081.05	17.42146
(98123124)	600619.43	4134073.85	16.58709	(98123124)	600665.61	4134099.82	20.55035m
(98010824)	600684.85	4134129.18	25.44498m	(98010824)	600691.27	4134138.96	26.93090m
(98010824)	600690.57	4134195.01	32.78905m	(98010824)	600637.78	4134069.45	16.76833
(98123124)	600627.78	4134062.25	16.06920	(98123124)	600677.96	4134094.35	20.78898m
(98010824)	600684.70	4134104.62	22.51947m	(98010824)	600691.44	4134114.90	24.12045m
(98010824)	600708.28	4134140.58	27.75341m	(98010824)	600710.71	4134151.79	29.05586m
(98010824)	600707.91	4134170.00	30.80825m	(98010824)	600702.30	4134206.43	33.27071m
(98010824)	600702.49	4134107.43	23.89724m	(98010824)	600709.09	4134117.50	25.32238m
(98010824)	600715.70	4134127.58	26.64959m	(98010824)	600724.69	4134148.64	28.93442m
(98010824)							

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
 *** 01/05/16
 *** AERMET - VERSION 15181 ***
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600722.86 (00011224)	4134160.54	29.96549m (98010824)	600654.47	4134046.27	15.97802
600644.47 (98010824)	4134039.07	15.63472 (99123024)	600697.32	4134075.22	19.92728m
600733.07 (98010824)	4134129.74	27.40728m (98010824)	600738.66	4134145.51	28.78873m
600735.96 (98010824)	4134163.09	30.00867m (98010824)	600734.16	4134174.81	30.70700m
600731.45 (00011224)	4134192.38	31.61105m (98010824)	600667.82	4134038.27	16.44057
600657.82 (00011224)	4134031.07	15.44602 (99123024)	600689.53	4134039.02	17.07298
600696.27 (98010824)	4134049.29	17.21424 (00011224)	600703.01	4134059.57	18.51364m
600723.21 (98010824)	4134090.39	23.24862m (98010824)	600752.59	4134142.70	28.65786m
600750.72 (98010824)	4134154.84	29.36619m (98010824)	600747.92	4134173.05	30.26445m
600746.05 (00011224)	4134185.20	30.75937m (98010824)	600671.17	4134023.08	15.86220
600661.17 (00011224)	4134015.88	15.56256 (99123024)	600697.83	4134027.35	16.99931
600717.73 (98010824)	4134057.70	19.44782m (98010824)	600724.37	4134067.82	21.00580m
600731.00 (98010824)	4134077.94	22.43871m (98010824)	600747.58	4134103.24	25.56240m
600754.22 (98010824)	4134113.36	26.59813m (98010824)	600764.73	4134151.53	29.06879m
600762.89 (98010824)	4134163.49	29.58062m (98010824)	600760.13	4134181.43	30.19321m
600758.29 (98010824)	4134193.39	30.50737m (98010824)	600755.53	4134211.33	30.68542m
600679.51 (99123024)	4134011.49	15.78025 (00011224)	600669.51	4134004.29	15.53881
600706.14 (00011224)	4134015.69	17.00555 (00011224)	600712.68	4134025.68	17.17508
600719.23 (98010824)	4134035.67	17.20796 (00011224)	600742.15	4134070.63	22.35346m
600748.70 (98010824)	4134080.62	23.61460m (98010824)	600755.25	4134090.61	24.77005m
600776.00 (98010824)	4134165.98	29.30736m (98010824)	600771.46	4134195.49	29.88865m
600687.86 (99123024)	4133999.89	15.74908 (00011224)	600677.86	4133992.69	15.52024
600721.49 (00011224)	4133994.41	16.81282 (00011224)	600728.08	4134004.46	17.02684
600734.66 (98010824)	4134014.50	17.17325 (00011224)	600741.25	4134024.55	17.60971m
600747.83 (98010824)	4134034.59	19.15356m (98010824)	600754.42	4134044.64	20.58568m
600761.00 (98010824)	4134054.68	21.90083m (98010824)	600767.59	4134064.72	23.10668m
600774.17 (98010824)	4134074.77	24.20115m (98010824)	600797.22	4134109.93	26.96030m
600803.81 (98010824)	4134119.97	27.35944m (98010824)	600806.18	4134130.93	27.66940m
600703.20 (99123024)	4133978.59	15.66288 (00011224)	600693.20	4133971.39	15.48852
600736.84 (00011224)	4133973.13	16.70051 (00011224)	600743.46	4133983.22	16.82891
600750.07 (00011224)	4133993.31	16.93250 (00011224)	600756.69	4134003.40	17.04979

600763.30 (98010824)	4134013.49	18.08676m (98010824)	600769.92	4134023.58	19.54686m
600776.53 (98010824)	4134033.67	20.86369m (98010824)	600783.14	4134043.76	22.07532m
600789.76 (98010824)	4134053.84	23.18237m (98010824)	600796.37	4134063.93	24.16277m
600802.99 (98010824)	4134074.02	25.01527m (98010824)	600809.60	4134084.11	25.72077m
600816.21 (98010824)	4134094.20	26.26137m (98010824)	600822.83	4134104.29	26.62075m
600829.44 (98010824)	4134114.38	26.78382m (98010824)	600830.00	4134137.31	27.01939m
600828.16 (99123024)	4134149.23	26.95125m (98010824)	600708.54	4133950.09	15.45223
600752.19 (00011224)	4133951.85	16.66586 (00011224)	600758.83	4133961.97	16.82441
600765.47 (00011224)	4133972.10	16.86224 (00011224)	600772.11	4133982.22	16.85331

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600778.75 (98010824)	4133992.35	16.93932m (98010824)	600785.38	4134002.47	18.39363m
600792.02 (98010824)	4134012.60	19.72892m (98010824)	600798.66	4134022.72	20.94574m
600805.30 (98010824)	4134032.85	22.09322m (98010824)	600811.94	4134042.98	23.11805m
600818.57 (98010824)	4134053.10	23.97164m (98010824)	600825.21	4134063.23	24.71845m
600831.85 (98010824)	4134073.35	25.36284m (98010824)	600838.49	4134083.48	25.76105m
600845.13 (99122824)	4134093.60	26.15691 (99122824)	600851.76	4134103.73	26.61503
600857.48 (99122824)	4134119.84	26.72633 (99122824)	600855.64	4134131.80	26.63442
600723.87 (00011224)	4133928.78	15.39974 (99123024)	600767.54	4133930.56	16.62912
600774.20 (00011224)	4133940.72	16.80865 (00011224)	600780.86	4133950.87	16.86115
600787.52 (00011224)	4133961.03	16.84949 (00011224)	600794.17	4133971.18	16.80783
600800.83 (98010824)	4133981.34	17.39786m (98010824)	600807.49	4133991.49	18.72463m
600814.15 (98010824)	4134001.65	19.95043m (98010824)	600820.80	4134011.80	21.06554m
600827.46 (98010824)	4134021.96	22.07368m (98010824)	600834.12	4134032.12	22.94460m
600840.78	4134042.27	23.69037m (98010824)	600847.44	4134052.43	24.32112m

(98010824)							
600854.09	4134062.58	24.97615	(99122824)	600860.75	4134072.74	25.69025	
(99122824)							
600867.41	4134082.89	26.21669	(99122824)	600874.07	4134093.05	26.52412	
(99122824)							
600880.73	4134103.20	26.52982	(99122824)	600883.13	4134114.28	26.32721	
(99122824)							
600881.28	4134126.29	26.06234	(99122824)	600739.21	4133907.48	15.32364	
(99123024)							
600570.85	4134130.11	23.16226m	(98121724)	600562.60	4134121.21	21.83242m	
(98121724)							
600575.45	4134124.42	22.21738m	(98121724)	600561.38	4134114.07	20.95923m	
(98121724)							
600573.71	4134117.15	21.46006m	(98121724)	600547.81	4134109.11	19.38115m	
(98121724)							
600568.64	4134109.04	20.69294m	(98121724)	600583.02	4134112.63	20.59917m	
(98121724)							
600534.86	4134108.81	18.07765m	(98011024)	600541.01	4134105.33	18.36572m	
(98121724)							
600547.15	4134101.86	18.75701m	(98121724)	600560.14	4134100.09	19.63332m	
(98121724)							
600566.99	4134101.79	20.03981m	(98121724)	600573.84	4134103.50	20.21839m	
(98121724)							
600580.69	4134105.21	20.16475m	(98121724)	600587.54	4134106.92	19.89532m	
(98121724)							
600507.15	4134130.81	19.95834m	(98011024)	600502.50	4134136.59	20.05008m	
(98011024)							
600497.86	4134142.38	20.05010m	(98011024)	600493.22	4134148.16	19.95646m	
(98011024)							
600488.58	4134153.95	19.79186m	(98011024)	600483.93	4134159.74	19.58224m	
(98011024)							
600479.29	4134165.52	19.35002m	(98011024)	600474.65	4134171.31	19.09413m	
(98011024)							
600470.00	4134177.09	18.80343m	(98011024)	600465.36	4134182.88	18.49004m	
(98011024)							
600460.72	4134188.66	18.16303m	(98011024)	600456.08	4134194.45	17.80949m	
(98011024)							
600451.43	4134200.24	17.42904m	(98011024)	600528.63	4134104.71	18.53736m	
(98011024)							
600534.56	4134101.36	18.00246m	(98011024)	600546.41	4134094.65	18.19019m	
(98121724)							
600558.94	4134092.95	19.04208m	(98121724)	600572.14	4134096.24	19.68641m	
(98121724)							
600585.35	4134099.54	19.57074m	(98121724)	600501.58	4134126.34	20.01692m	
(98011024)							
600496.93	4134132.12	20.02522m	(98011024)	600492.29	4134137.91	19.94475m	
(98011024)							
600487.65	4134143.69	19.79425m	(98011024)	600483.00	4134149.48	19.59527m	
(98011024)							
600478.36	4134155.27	19.36703m	(98011024)	600473.72	4134161.05	19.13370m	
(98011024)							
600469.08	4134166.84	18.84533m	(98011024)	600464.43	4134172.62	18.51939m	
(98011024)							

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI		IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
(YYMMDDHH)							
600459.79	4134178.41	18.18155m	(98011024)	600455.15	4134184.19	17.82316m	
(98011024)							
600450.50	4134189.98	17.43760m	(98011024)	600445.86	4134195.77	17.02211m	
(98011024)							
600522.57	4134100.52	18.96064m	(98011024)	600534.09	4134094.00	17.95379m	
(98011024)							
600545.61	4134087.48	17.67421m	(98121724)	600557.79	4134085.83	18.50783m	
(98121724)							
600570.63	4134089.03	19.19677m	(98121724)	600583.47	4134092.23	19.23917m	
(98121724)							
600496.01	4134121.87	20.01315m	(98011024)	600491.36	4134127.65	19.94566m	
(98011024)							
600486.72	4134133.44	19.80840m	(98011024)	600482.08	4134139.22	19.61939m	
(98011024)							
600477.43	4134145.01	19.39534m	(98011024)	600472.79	4134150.80	19.15516m	
(98011024)							
600468.15	4134156.58	18.86836m	(98011024)	600463.51	4134162.37	18.55630m	
(98011024)							
600458.86	4134168.15	18.21465m	(98011024)	600454.22	4134173.94	17.85119m	
(98011024)							
600449.58	4134179.72	17.46165m	(98011024)	600444.93	4134185.51	17.04341m	
(98011024)							
600440.29	4134191.30	16.59757m	(98011024)	600512.39	4134098.66	19.57864m	
(98011024)							
600525.06	4134091.49	18.69771m	(98011024)	600537.73	4134084.32	17.48782m	
(98011024)							
600544.07	4134080.73	17.15823m	(98121724)	600564.53	4134080.67	18.53698m	
(98121724)							
600578.66	4134084.19	18.92030m	(98121724)	600592.78	4134087.71	18.59043m	
(98121724)							
600599.85	4134089.48	18.21412m	(98121724)	600490.43	4134117.40	19.95795m	
(98011024)							
600485.79	4134123.18	19.83125m	(98011024)	600481.15	4134128.97	19.65096m	
(98011024)							
600476.51	4134134.75	19.43222m	(98011024)	600471.86	4134140.54	19.18649m	
(98011024)							
600467.22	4134146.32	18.90649m	(98011024)	600462.58	4134152.11	18.59569m	
(98011024)							
600457.93	4134157.90	18.25796m	(98011024)	600453.29	4134163.68	17.88696m	
(98011024)							
600448.65	4134169.47	17.49362m	(98011024)	600444.01	4134175.25	17.07607m	
(98011024)							
600439.36	4134181.04	16.62965m	(98011024)	600434.72	4134186.82	16.15452m	
(98011024)							
600506.44	4134094.40	19.81788m	(98011024)	600512.58	4134090.93	19.53189m	
(98011024)							
600518.72	4134087.45	19.13818m	(98011024)	600524.87	4134083.97	18.65474m	
(98011024)							
600531.01	4134080.50	18.09347m	(98011024)	600537.15	4134077.02	17.45705m	
(98011024)							
600543.30	4134073.54	16.72594m	(98011024)	600556.29	4134071.78	17.62128m	
(98121724)							
600563.14	4134073.48	18.08729m	(98121724)	600569.99	4134075.19	18.39516m	
(98121724)							
600576.84	4134076.90	18.55566m	(98121724)	600583.69	4134078.61	18.55860m	
(98121724)							

600590.54 (98121724)	4134080.32	18.40848m (98121724)	600597.39	4134082.02	18.12848m
600604.23 (98011024)	4134083.73	17.74051m (98121724)	600484.86	4134112.93	19.86056m
600480.22 (98011024)	4134118.71	19.68896m (98011024)	600475.58	4134124.50	19.47551m
600470.93 (98011024)	4134130.28	19.23054m (98011024)	600466.29	4134136.07	18.95330m
600461.65 (98011024)	4134141.85	18.64751m (98011024)	600457.01	4134147.64	18.31075m
600452.36 (98011024)	4134153.43	17.94112m (98011024)	600447.72	4134159.21	17.54138m
600443.08 (98011024)	4134165.00	17.11622m (98011024)	600438.43	4134170.78	16.66984m
600433.79 (98011024)	4134176.57	16.19491m (98011024)	600429.15	4134182.35	15.69027m
600500.56 (98011024)	4134090.11	19.97415m (98011024)	600512.54	4134083.33	19.50163m
600524.52 (98011024)	4134076.55	18.63021m (98011024)	600536.50	4134069.77	17.43822m
600555.16 (98121724)	4134064.66	17.19597m (98121724)	600568.51	4134067.99	17.99961m
600575.19 (98121724)	4134069.65	18.20504m (98121724)	600588.55	4134072.98	18.20355m

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
 *** 01/05/16
 *** AERMET - VERSION 15181 *** **
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600595.22 (98121724)	4134074.65	18.00306m (98121724)	600608.58	4134077.98	17.31187m
600479.29 (98011024)	4134108.46	19.72822m (98011024)	600474.65	4134114.24	19.52304m
600470.01 (98011024)	4134120.03	19.27667m (98011024)	600465.36	4134125.81	18.99797m
600460.72 (98011024)	4134131.60	18.69822m (98011024)	600456.08	4134137.38	18.37074m
600451.44 (98011024)	4134143.17	18.00494m (98011024)	600446.79	4134148.96	17.60416m
600442.15 (98011024)	4134154.74	17.17289m (98011024)	600437.51	4134160.53	16.71920m
600432.86 (98011024)	4134166.31	16.23997m (98011024)	600428.22	4134172.10	15.73596m
600423.58 (98011024)	4134177.88	15.20555m (98011024)	600502.36	4134081.46	19.92590m
600515.26 (98011024)	4134074.16	19.30110m (98011024)	600528.16	4134066.86	18.24172m
600541.06 (98121724)	4134059.56	16.79385m (98011024)	600554.71	4134057.71	16.84430m
600561.90	4134059.50	17.34411m (98121724)	600583.47	4134064.88	18.00095m

(98121724)						
600605.05	4134070.26	17.37919m	(98121724)	600612.24	4134072.05	16.95821m
(98121724)						
600473.72	4134103.98	19.56720m	(98011024)	600469.08	4134109.77	19.32556m
(98011024)						
600464.44	4134115.56	19.04708m	(98011024)	600459.79	4134121.34	18.74497m
(98011024)						
600455.15	4134127.13	18.41928m	(98011024)	600450.51	4134132.91	18.06677m
(98011024)						
600445.86	4134138.70	17.67678m	(98011024)	600441.22	4134144.48	17.23908m
(98011024)						
600436.58	4134150.27	16.77796m	(98011024)	600431.94	4134156.06	16.29527m
(98011024)						
600427.29	4134161.84	15.78772m	(98011024)	600422.65	4134167.63	15.25737m
(98011024)						
600418.01	4134173.41	14.70251m	(98011024)	600484.15	4134076.52	20.03911m
(98011024)						
600490.30	4134073.04	20.10476m	(98011024)	600496.44	4134069.57	20.06406m
(98011024)						
600502.58	4134066.09	19.91034m	(98011024)	600508.73	4134062.62	19.64259m
(98011024)						
600514.87	4134059.14	19.26760m	(98011024)	600521.01	4134055.66	18.79559m
(98011024)						
600527.16	4134052.19	18.22804m	(98011024)	600533.30	4134048.71	17.56684m
(98011024)						
600539.44	4134045.23	16.81250m	(98011024)	600552.44	4134043.47	16.08708m
(98121724)						
600559.29	4134045.17	16.58800m	(98121724)	600566.14	4134046.88	16.99294m
(98121724)						
600572.98	4134048.59	17.28129m	(98121724)	600579.83	4134050.30	17.45887m
(98121724)						
600586.68	4134052.01	17.51613m	(98121724)	600593.53	4134053.71	17.45305m
(98121724)						
600600.38	4134055.42	17.28380m	(98121724)	600607.23	4134057.13	17.01159m
(98121724)						
600614.08	4134058.84	16.65592m	(98121724)	600620.93	4134060.55	16.23724m
(98121724)						
600462.58	4134095.04	19.12940m	(98011024)	600457.94	4134100.83	18.83550m
(98011024)						
600453.29	4134106.62	18.52068m	(98011024)	600448.65	4134112.40	18.16381m
(98011024)						
600444.01	4134118.19	17.77905m	(98011024)	600439.37	4134123.97	17.35302m
(98011024)						
600434.72	4134129.76	16.89539m	(98011024)	600430.08	4134135.54	16.41243m
(98011024)						
600425.44	4134141.33	15.90282m	(98011024)	600420.79	4134147.12	15.36903m
(98011024)						
600416.15	4134152.90	14.81493m	(98011024)	600411.51	4134158.69	14.23959m
(98011024)						
600406.87	4134164.47	13.64471m	(98011024)	600467.10	4134070.92	19.58982m
(98011024)						
600473.48	4134067.31	19.85628m	(98011024)	600479.86	4134063.70	20.04786m
(98011024)						
600486.24	4134060.09	20.14992m	(98011024)	600492.62	4134056.48	20.14579m
(98011024)						
600499.00	4134052.87	20.02591m	(98011024)	600505.38	4134049.26	19.78546m
(98011024)						
600511.76	4134045.65	19.42930m	(98011024)	600518.14	4134042.04	18.96292m
(98011024)						

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600524.52 (98011024)	4134038.43	18.38865m (98011024)	600530.90	4134034.82	17.70908m
600537.28 (98121724)	4134031.21	16.92485m (98011024)	600550.77	4134029.38	15.43558m
600557.89 (98121724)	4134031.15	15.96487m (98121724)	600565.00	4134032.92	16.40747m
600572.11 (98121724)	4134034.70	16.74099m (98121724)	600579.22	4134036.47	16.97025m
600586.34 (98121724)	4134038.24	17.08514m (98121724)	600593.45	4134040.02	17.08204m
600446.79 (98011024)	4134091.89	18.24974m (98011024)	600442.15	4134097.67	17.86573m
600437.51 (98011024)	4134103.46	17.44969m (98011024)	600432.87	4134109.25	17.00063m
600428.22 (98011024)	4134115.03	16.51992m (98011024)	600423.58	4134120.82	16.01499m
600418.94 (98011024)	4134126.60	15.48644m (98011024)	600414.29	4134132.39	14.93487m
600409.65 (98011024)	4134138.17	14.36018m (98011024)	600405.01	4134143.96	13.76519m
600400.37 (98011024)	4134149.75	13.15419m (98011024)	600395.72	4134155.53	12.52893m
600474.16 (98011024)	4134051.69	20.00856m (98011024)	600480.30	4134048.21	20.16073m
600486.44 (98011024)	4134044.73	20.22388m (98011024)	600492.59	4134041.26	20.18890m
600498.73 (98011024)	4134037.78	20.04716m (98011024)	600504.87	4134034.30	19.79747m
600511.02 (98011024)	4134030.83	19.43996m (98011024)	600517.16	4134027.35	18.98056m
600523.30 (98011024)	4134023.88	18.41894m (98011024)	600529.45	4134020.40	17.75286m
600535.59 (98011024)	4134016.92	16.98896m (98011024)	600548.58	4134015.16	15.15801m
600555.43 (98121724)	4134016.86	15.30326m (98121724)	600617.08	4134032.23	16.18168m
600623.92 (99123024)	4134033.94	15.84461m (98121724)	600630.77	4134035.65	15.76291
600637.62 (98011024)	4134037.36	15.76398 (99123024)	600444.78	4134053.06	18.61107m
600451.11 (98011024)	4134049.48	19.04157m (98011024)	600457.45	4134045.89	19.42146m
600489.12 (98011024)	4134027.97	20.27675m (98011024)	600495.46	4134024.39	20.16278m
600501.80 (98011024)	4134020.80	19.93558m (98011024)	600508.13	4134017.22	19.59499m
600514.47 (98011024)	4134013.63	19.14271m (98011024)	600520.80	4134010.05	18.58046m
600527.14 (98011024)	4134006.46	17.90560m (98011024)	600533.47	4134002.88	17.12141m

600575.12 (98121724)	4134008.10	15.95124m (98121724)	600582.19	4134009.86	16.19543m
600589.25 (98121724)	4134011.62	16.34238m (98121724)	600596.31	4134013.38	16.39674m
600603.38 (98121724)	4134015.14	16.35886m (98121724)	600610.44	4134016.91	16.22734m
600617.50 (98121724)	4134018.67	16.00697m (98121724)	600624.57	4134020.43	15.70802m
600631.63 (99123024)	4134022.19	15.63482 (99123024)	600638.69	4134023.95	15.77964
600645.76 (98011024)	4134025.71	15.74292 (99123024)	600424.51	4134074.01	16.77557m
600419.87 (98011024)	4134079.79	16.26856m (98011024)	600415.23	4134085.58	15.73777m
600410.58 (98011024)	4134091.36	15.18510m (98011024)	600405.94	4134097.15	14.61002m
600401.30 (98011024)	4134102.93	14.01606m (98011024)	600396.65	4134108.72	13.40414m
600392.01 (98011024)	4134114.51	12.77977m (98011024)	600387.37	4134120.29	12.14493m
600382.73 (98011024)	4134126.08	11.50183m (98011024)	600378.08	4134131.86	10.85287m
600373.44 (98011024)	4134137.65	10.20318m (98011024)	600433.44	4134044.23	17.92234m
600439.59 (98011024)	4134040.76	18.41777m (98011024)	600445.73	4134037.28	18.86709m
600451.87 (98011024)	4134033.80	19.26852m (98011024)	600458.02	4134030.33	19.61951m
600464.16 (98011024)	4134026.85	19.91270m (98011024)	600470.30	4134023.38	20.14042m

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600501.02 (98011024)	4134005.99	19.96917m (98011024)	600507.16	4134002.52	19.62977m
600513.31 (98011024)	4133999.04	19.18289m (98011024)	600519.45	4133995.57	18.63154m
600544.73 (98011024)	4133986.85	15.36126m (98011024)	600551.58	4133988.55	14.29919m
600558.43 (98121724)	4133990.26	14.60108m (98121724)	600565.28	4133991.97	15.02877m
600572.13 (98121724)	4133993.68	15.39355m (98121724)	600578.98	4133995.38	15.68732m
600585.83 (98121724)	4133997.09	15.90480m (98121724)	600592.68	4133998.80	16.04048m
600599.52 (98121724)	4134000.51	16.09557m (98121724)	600606.37	4134002.22	16.06435m
600613.22	4134003.92	15.95021m (98121724)	600620.07	4134005.63	15.75859m

(98121724)						
600626.92	4134007.34	15.49679m	(98121724)	600633.77	4134009.05	15.46973
(99123024)						
600640.62	4134010.76	15.72501	(99123024)	600647.47	4134012.46	15.79103
(99123024)						
600654.32	4134014.17	15.71730	(99123024)	600427.30	4134047.71	17.38386m
(98011024)						
600413.37	4134065.07	15.86519m	(98011024)	600408.73	4134070.85	15.31090m
(98011024)						
600404.08	4134076.64	14.73476m	(98011024)	600399.44	4134082.42	14.14060m
(98011024)						
600394.80	4134088.21	13.52988m	(98011024)	600390.16	4134093.99	12.90577m
(98011024)						
600385.51	4134099.78	12.26913m	(98011024)	600380.87	4134105.57	11.62577m
(98011024)						
600376.23	4134111.35	10.97786m	(98011024)	600371.58	4134117.14	10.32709m
(98011024)						
600366.94	4134122.92	9.67862m	(98011024)	600362.30	4134128.71	9.23184
(98122824)						
600422.46	4134035.20	17.14389m	(98011024)	600428.77	4134031.63	17.72470m
(98011024)						
600435.07	4134028.06	18.25850m	(98011024)	600441.38	4134024.50	18.74526m
(98011024)						
600447.68	4134020.93	19.18195m	(98011024)	600453.99	4134017.36	19.56575m
(98011024)						
600460.29	4134013.79	19.88965m	(98011024)	600466.60	4134010.23	20.14732m
(98011024)						
600472.90	4134006.66	20.32789m	(98011024)	600479.21	4134003.09	20.42204m
(98011024)						
600485.51	4133999.52	20.41998m	(98011024)	600529.65	4133974.55	17.35824m
(98011024)						
600542.99	4133972.73	15.47421m	(98011024)	600550.01	4133974.49	14.38778m
(98011024)						
600557.04	4133976.24	14.10308m	(98121724)	600564.07	4133977.99	14.54958m
(98121724)						
600571.10	4133979.75	14.93903m	(98121724)	600578.13	4133981.50	15.26523m
(98121724)						
600585.16	4133983.25	15.52090m	(98121724)	600592.19	4133985.00	15.69970m
(98121724)						
600599.22	4133986.76	15.79594m	(98121724)	600606.25	4133988.51	15.80831m
(98121724)						
600613.28	4133990.26	15.73910m	(98121724)	600620.31	4133992.02	15.58983m
(98121724)						
600627.34	4133993.77	15.36571m	(98121724)	600634.37	4133995.52	15.14116
(99123024)						
600641.40	4133997.28	15.55927	(99123024)	600648.43	4133999.03	15.76700
(99123024)						
600655.46	4134000.78	15.79709	(99123024)	600662.48	4134002.53	15.70246
(99123024)						
600416.16	4134038.77	16.52137m	(98011024)	600402.23	4134056.12	14.85885m
(98011024)						
600397.58	4134061.91	14.26308m	(98011024)	600392.94	4134067.70	13.65270m
(98011024)						
600388.30	4134073.48	13.02888m	(98011024)	600383.66	4134079.27	12.39373m
(98011024)						
600379.01	4134085.05	11.74942m	(98011024)	600374.37	4134090.84	11.10115m
(98011024)						
600369.73	4134096.62	10.45122m	(98011024)	600365.08	4134102.41	9.80174m
(98011024)						
600360.44	4134108.20	9.15752m	(98011024)	600355.80	4134113.98	8.52190m
(98011024)						
600351.16	4134119.77	9.04340	(98122824)	600411.47	4134026.18	16.25593m
(98011024)						
600417.92	4134022.53	16.91738m	(98011024)	600424.37	4134018.88	17.53436m

(98011024)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600430.82 (98011024)	4134015.23	18.10496m (98011024)	600437.27	4134011.58	18.62709m
600443.72 (98011024)	4134007.93	19.09783m (98011024)	600450.17	4134004.28	19.51238m
600456.62 (98011024)	4134000.63	19.86652m (98011024)	600463.07	4133996.98	20.15123m
600469.52 (98011024)	4133993.33	20.35866m (98011024)	600475.97	4133989.68	20.47814m
600482.42 (98011024)	4133986.03	20.49959m (98011024)	600488.87	4133982.38	20.41705m
600495.32 (98011024)	4133978.73	20.22223m (98011024)	600527.58	4133960.48	17.50340m
600541.22 (98011024)	4133958.62	15.59659m (98011024)	600548.41	4133960.41	14.49202m
600555.60 (98010124)	4133962.21	13.81467m (98010124)	600562.80	4133964.00	14.09415m
600569.99 (98121724)	4133965.79	14.50165m (98121724)	600577.18	4133967.59	14.85631m
600584.37 (98121724)	4133969.38	15.14345m (98121724)	600591.56	4133971.17	15.35708m
600598.75 (98121724)	4133972.97	15.49327m (98121724)	600605.95	4133974.76	15.54858m
600613.14 (98121724)	4133976.55	15.52179m (98121724)	600620.33	4133978.35	15.41548m
600627.52 (98121724)	4133980.14	15.23144m (98121724)	600634.71	4133981.93	14.97713m
600641.90 (99123024)	4133983.73	15.27058 (99123024)	600649.09	4133985.52	15.63523
600656.29 (99123024)	4133987.31	15.79981 (99123024)	600663.48	4133989.11	15.80113
600670.67 (98011024)	4133990.90	15.69078 (99123024)	600405.01	4134029.83	15.55485m
600386.44 (98011024)	4134052.97	13.14984m (98011024)	600381.80	4134058.75	12.51527m
600377.16 (98011024)	4134064.54	11.87236m (98011024)	600372.51	4134070.33	11.22368m
600367.87 (98011024)	4134076.11	10.57375m (98011024)	600363.23	4134081.90	9.92554m
600358.59 (98011024)	4134087.68	9.28181m (98011024)	600353.94	4134093.47	8.64433m
600349.30 (98122824)	4134099.25	8.01949m (98011024)	600344.66	4134105.04	8.23020
600340.01 (98011024)	4134110.83	8.88316 (98122824)	600390.89	4134009.81	14.34696m

600397.23 (98011024)	4134006.22	15.09605m (98011024)	600403.58	4134002.63	15.81730m
600409.92 (98011024)	4133999.04	16.50294m (98011024)	600416.27	4133995.44	17.14984m
600422.61 (98011024)	4133991.85	17.75476m (98011024)	600428.96	4133988.26	18.31413m
600435.31 (98011024)	4133984.67	18.82636m (98011024)	600441.65	4133981.08	19.28612m
600448.00 (98011024)	4133977.49	19.69019m (98011024)	600454.34	4133973.90	20.03163m
600460.69 (98011024)	4133970.31	20.30441m (98011024)	600467.03	4133966.72	20.50004m
600492.42 (98011024)	4133952.36	20.35089m (98011024)	600498.76	4133948.77	20.05012m
600505.11 (98011024)	4133945.18	19.63624m (98011024)	600511.45	4133941.59	19.10916m
600517.80 (98011024)	4133938.00	18.46843m (98011024)	600524.14	4133934.41	17.72289m
600544.64 (98011024)	4133934.34	14.82462m (98011024)	600551.71	4133936.11	13.70617m
600558.79 (98010124)	4133937.87	13.57612m (98010124)	600565.86	4133939.64	13.83197m
600572.94 (98121724)	4133941.40	14.02089m (98010124)	600580.01	4133943.17	14.33923m
600587.08 (98121724)	4133944.93	14.62386m (98121724)	600594.16	4133946.69	14.84548m
600601.23 (98121724)	4133948.46	14.99920m (98121724)	600608.31	4133950.22	15.08460m
600615.38 (98121724)	4133951.99	15.09995m (98121724)	600622.46	4133953.75	15.04398m
600629.53 (98121724)	4133955.51	14.91869m (98121724)	600636.60	4133957.28	14.72860m
600643.68 (99123024)	4133959.04	14.56611 (99123024)	600650.75	4133960.81	15.15953
600657.83 (99123024)	4133962.57	15.56117 (99123024)	600664.90	4133964.33	15.78231

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600671.98 (99123024)	4133966.10	15.84725 (99123024)	600679.05	4133967.86	15.79195
600686.12 (98011024)	4133969.63	15.65982 (99123024)	600384.54	4134013.40	13.57085m
600379.90 (98011024)	4134019.18	12.94046m (98011024)	600365.97	4134036.54	11.00695m
600361.33 (98011024)	4134042.33	10.35911m (98011024)	600356.68	4134048.11	9.71343m
600352.04	4134053.90	9.07527m (98011024)	600347.40	4134059.68	8.44802m

(98011024)						
600342.76	4134065.47	7.83186m	(98011024)	600338.11	4134071.25	7.23256m
(98011024)						
600333.47	4134077.04	6.79786	(98122824)	600328.83	4134082.83	7.39360
(98122824)						
600324.18	4134088.61	8.01237	(98122824)	600319.54	4134094.40	8.64731
(98122824)						
600370.33	4133993.42	12.23363m	(98011024)	600376.60	4133989.88	13.02829m
(98011024)						
600382.86	4133986.33	13.80959m	(98011024)	600389.13	4133982.79	14.57158m
(98011024)						
600395.39	4133979.24	15.31061m	(98011024)	600401.66	4133975.70	16.02007m
(98011024)						
600407.92	4133972.16	16.69509m	(98011024)	600414.19	4133968.61	17.33300m
(98011024)						
600420.45	4133965.07	17.92997m	(98011024)	600426.71	4133961.52	18.48292m
(98011024)						
600432.98	4133957.98	18.98806m	(98011024)	600439.24	4133954.43	19.44163m
(98011024)						
600445.51	4133950.89	19.83843m	(98011024)	600464.30	4133940.25	20.62749m
(98011024)						
600470.57	4133936.71	20.73278m	(98011024)	600476.83	4133933.16	20.74723m
(98011024)						
600483.10	4133929.62	20.66429m	(98011024)	600489.36	4133926.07	20.47992m
(98011024)						
600495.63	4133922.53	20.18860m	(98011024)	600501.89	4133918.99	19.78914m
(98011024)						
600508.16	4133915.44	19.27943m	(98011024)	600514.42	4133911.90	18.66367m
(98011024)						
600520.69	4133908.35	17.94362m	(98011024)	600533.93	4133906.55	16.17980m
(98011024)						
600540.92	4133908.29	15.15268m	(98011024)	600561.87	4133913.51	13.33467m
(98010124)						
600568.85	4133915.26	13.57232m	(98010124)	600575.84	4133917.00	13.74950m
(98010124)						
600582.82	4133918.74	13.86267m	(98010124)	600589.81	4133920.48	14.14304m
(98121724)						
600596.79	4133922.22	14.37044m	(98121724)	600603.78	4133923.96	14.53887m
(98121724)						
600610.76	4133925.71	14.64698m	(98121724)	600617.74	4133927.45	14.69312m
(98121724)						
600624.73	4133929.19	14.67649m	(98121724)	600631.71	4133930.93	14.59747m
(98121724)						
600638.70	4133932.67	14.45862m	(98121724)	600645.68	4133934.41	14.26447m
(98121724)						
600652.66	4133936.15	14.44235	(99123024)	600659.65	4133937.90	15.04260
(99123024)						
600666.63	4133939.64	15.47583	(99123024)	600673.62	4133941.38	15.74241
(99123024)						
600680.60	4133943.12	15.86205	(99123024)	600687.58	4133944.86	15.85984
(99123024)						
600694.57	4133946.60	15.77064	(99123024)	600701.55	4133948.35	15.62613
(99123024)						
600364.07	4133996.97	11.43289m	(98011024)	600359.43	4134002.75	10.78668m
(98011024)						
600345.50	4134020.11	8.87305m	(98011024)	600340.85	4134025.90	8.25301m
(98011024)						
600336.21	4134031.68	7.65031m	(98011024)	600331.57	4134037.47	7.06498m
(98011024)						
600326.93	4134043.25	6.50144m	(98011024)	600322.28	4134049.04	5.95965m
(98011024)						
600317.64	4134054.83	6.12211	(98122824)	600313.00	4134060.61	6.67555
(98122824)						
600308.35	4134066.40	7.25612	(98122824)	600303.71	4134072.18	7.85536

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(98122824)
600299.07 4134077.97      8.46991 (98122824)      600350.02 4133976.91      10.09783m
(98011024)
600356.44 4133973.27     10.91313m (98011024)      600362.86 4133969.64      11.73423m
(98011024)
600369.28 4133966.00     12.55335m (98011024)      600375.70 4133962.37      13.36238m
(98011024)
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*** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600382.13	4133958.74	14.15937m (98011024)	600388.55	4133955.10	14.93306m
(98011024)					
600394.97	4133951.47	15.68086m (98011024)	600401.39	4133947.84	16.39741m
(98011024)					
600407.81	4133944.20	17.07731m (98011024)	600414.24	4133940.57	17.71834m
(98011024)					
600420.66	4133936.94	18.31354m (98011024)	600439.92	4133926.03	19.78869m
(98011024)					
600446.35	4133922.40	20.16018m (98011024)	600452.77	4133918.77	20.45974m
(98011024)					
600459.19	4133915.13	20.68274m (98011024)	600465.61	4133911.50	20.81967m
(98011024)					
600472.03	4133907.87	20.86454m (98011024)	600478.46	4133904.23	20.81057m
(98011024)					
600484.88	4133900.60	20.65079m (98011024)	600491.30	4133896.96	20.38163m
(98011024)					
600497.72	4133893.33	20.00033m (98011024)	600504.14	4133889.70	19.50488m
(98011024)					
600510.57	4133886.06	18.89890m (98011024)	600516.99	4133882.43	18.18693m
(98011024)					
600530.57	4133880.58	16.42861m (98011024)	600537.73	4133882.37	15.39724m
(98011024)					
600544.89	4133884.15	14.30680m (98011024)	600552.05	4133885.94	13.17970m
(98011024)					
600573.53	4133891.29	13.35214m (98010124)	600580.69	4133893.08	13.50956m
(98010124)					
600587.85	4133894.86	13.60217m (98010124)	600595.00	4133896.65	13.78530m
(98121724)					
600602.16	4133898.43	14.00332m (98121724)	600609.32	4133900.22	14.16586m
(98121724)					
600616.48	4133902.01	14.27095m (98121724)	600623.64	4133903.79	14.31567m
(98121724)					
600630.80	4133905.58	14.30162m (98121724)	600637.96	4133907.36	14.22783m
(98121724)					
600645.12	4133909.15	14.09610m (98121724)	600652.28	4133910.93	13.90816m
(98121724)					
600659.44	4133912.72	14.09003 (99123024)	600666.60	4133914.50	14.76205
(99123024)					

600673.76 (99123024)	4133916.29	15.27739 (99123024)	600680.92	4133918.07	15.62924
600688.08 (99123024)	4133919.86	15.82904 (99123024)	600695.24	4133921.64	15.89502
600702.40 (99123024)	4133923.43	15.85807 (99123024)	600709.56	4133925.21	15.74681
600716.72 (98011024)	4133927.00	15.58707 (99123024)	600343.59	4133980.54	9.29296m
600338.95 (98011024)	4133986.32	8.67235m (98011024)	600334.31	4133992.11	8.06596m
600320.38 (98011024)	4134009.47	6.35450m (98011024)	600315.74	4134015.25	5.83060m
600311.09 (98122824)	4134021.04	5.33336m (98011024)	600306.45	4134026.82	5.06358
600301.81 (98122824)	4134032.61	5.54830 (98122824)	600297.17	4134038.40	6.06219
600292.52 (98122824)	4134044.18	6.60174 (98122824)	600287.88	4134049.97	7.16391
600283.24 (98122824)	4134055.75	7.74283 (98122824)	600278.59	4134061.54	8.33533
600329.47 (98011024)	4133960.52	8.03189m (98011024)	600335.82	4133956.93	8.78741m
600342.16 (98011024)	4133953.34	9.56328m (98011024)	600348.51	4133949.75	10.35972m
600354.86 (98011024)	4133946.15	11.16573m (98011024)	600361.20	4133942.56	11.97279m
600367.55 (98011024)	4133938.97	12.77994m (98011024)	600373.90	4133935.38	13.57867m
600380.24 (98011024)	4133931.79	14.35980m (98011024)	600386.59	4133928.20	15.12345m
600392.94 (98011024)	4133924.61	15.86091m (98011024)	600399.28	4133921.02	16.56672m
600418.32 (98011024)	4133910.24	18.45725m (98011024)	600424.67	4133906.65	18.99683m
600431.02 (98011024)	4133903.06	19.48333m (98011024)	600437.36	4133899.47	19.91175m
600443.71 (98011024)	4133895.88	20.27678m (98011024)	600450.06	4133892.29	20.57055m
600456.40 (98011024)	4133888.70	20.78838m (98011024)	600462.75	4133885.11	20.92279m
600469.10 (98011024)	4133881.51	20.96725m (98011024)	600475.44	4133877.92	20.91519m

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

600481.79 (98011024)	4133874.33	20.76190m (98011024)	600488.14	4133870.74	20.50232m
600494.48	4133867.15	20.13557m (98011024)	600500.83	4133863.56	19.64204m

(98011024)						
600507.18	4133859.97	19.03819m	(98011024)	600513.52	4133856.38	18.34011m
(98011024)						
600526.95	4133854.55	16.64236m	(98011024)	600534.02	4133856.31	15.65738m
(98011024)						
600541.10	4133858.08	14.61431m	(98011024)	600548.17	4133859.84	13.53087m
(98011024)						
600555.25	4133861.61	12.42662m	(98011024)	600562.32	4133863.37	12.63154m
(98010124)						
600569.40	4133865.14	12.86152m	(98010124)	600583.55	4133868.67	13.20225
(99122524)						
600590.63	4133870.43	13.23785	(99122524)	600597.70	4133872.19	13.33912m
(98121724)						
600604.78	4133873.96	13.56355m	(98121724)	600611.85	4133875.72	13.73919m
(98121724)						
600618.93	4133877.49	13.86338m	(98121724)	600626.00	4133879.25	13.93145m
(98121724)						
600633.08	4133881.02	13.94858m	(98121724)	600640.15	4133882.78	13.91265m
(98121724)						
600647.23	4133884.54	13.82216m	(98121724)	600654.31	4133886.31	13.67970m
(98121724)						
600661.38	4133888.07	13.48946m	(98121724)	600668.46	4133889.84	13.90218
(99123024)						
600675.53	4133891.60	14.58657	(99123024)	600682.61	4133893.37	15.13239
(99123024)						
600689.68	4133895.13	15.52191	(99123024)	600696.76	4133896.90	15.78143
(99123024)						
600703.84	4133898.66	15.89459	(99123024)	600710.91	4133900.42	15.90197
(99123024)						
600717.99	4133902.19	15.82876	(99123024)	600725.06	4133903.95	15.69521
(99123024)						
600732.14	4133905.72	15.52179	(99123024)	600323.12	4133964.11	7.30498m
(98011024)						
600318.48	4133969.90	6.74862m	(98011024)	600313.84	4133975.68	6.21677m
(98011024)						
600299.91	4133993.04	4.77397m	(98011024)	600295.26	4133998.82	4.35226m
(98011024)						
600290.62	4134004.61	4.60955	(98122824)	600285.98	4134010.40	5.05842
(98122824)						
600281.34	4134016.18	5.53431	(98122824)	600276.69	4134021.97	6.03689
(98122824)						
600272.05	4134027.75	6.56069	(98122824)	600267.41	4134033.54	7.10426
(98122824)						
600262.76	4134039.32	7.66216	(98122824)	600258.12	4134045.11	8.23105
(98122824)						
600448.80	4134210.23	17.16281m	(98011024)	600439.21	4134221.05	16.24802m
(98011024)						
600441.87	4134210.94	16.55875m	(98011024)	600429.54	4134232.17	17.39995
(98122824)						
600432.22	4134221.95	15.95382	(98122824)	600434.91	4134211.73	15.90256m
(98011024)						
600437.60	4134201.51	16.25431m	(98011024)	600419.81	4134243.49	18.90257
(98122824)						
600422.52	4134233.19	17.51845	(98122824)	600425.23	4134222.89	16.13861
(98122824)						
600427.94	4134212.58	15.19986m	(98011024)	600430.65	4134202.28	15.58867m
(98011024)						
600412.77	4134244.60	18.94460	(98122824)	600415.50	4134234.23	17.63395
(98122824)						
600418.23	4134223.85	16.31980	(98122824)	600420.96	4134213.48	15.01700
(98122824)						
600423.69	4134203.10	14.87690m	(98011024)	600426.42	4134192.73	15.28929m
(98011024)						
600407.31	4134255.45	20.24593	(98122824)	600405.73	4134245.72	18.99435

(98122824)	600408.47	4134235.29	17.74868	(98122824)	600411.22	4134224.85	16.49951
(98122824)	600413.97	4134214.41	15.24846	(98122824)	600416.71	4134203.98	14.12436m
(98011024)	600419.46	4134193.54	14.56470m	(98011024)	600398.68	4134246.85	19.05363
(98122824)	600401.44	4134236.35	17.86275	(98122824)	600404.20	4134225.86	16.67217
(98122824)	600406.96	4134215.37	15.47717	(98122824)	600409.73	4134204.88	14.28042
(98122824)	600412.49	4134194.39	13.80178m	(98011024)	600415.25	4134183.90	14.25704m
(98011024)							

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*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600387.38	4134238.52	18.10531	(98122824)	600390.16	4134227.94	17.01144
(98122824)						
600392.95	4134217.36	15.91749	(98122824)	600395.73	4134206.79	14.81336
(98122824)						
600398.51	4134196.21	13.69598	(98122824)	600401.30	4134185.63	12.68011m
(98011024)						
600404.08	4134175.05	13.16516m	(98011024)	600387.22	4134284.31	23.10208
(98122824)						
600381.18	4134275.10	21.90583	(98122824)	600375.14	4134265.89	20.85845
(98122824)						
600376.11	4134230.07	17.35286	(98122824)	600378.91	4134219.42	16.33777
(98122824)						
600381.71	4134208.77	15.31843	(98122824)	600384.52	4134198.12	14.28133
(98122824)						
600387.32	4134187.48	13.22339	(98122824)	600390.12	4134176.83	12.14945
(98122824)						
600392.92	4134166.18	12.02833m	(98011024)	600379.29	4134296.01	24.02326
(98122824)						
600373.22	4134286.75	22.85072	(98122824)	600367.15	4134277.50	21.86828
(98122824)						
600361.08	4134268.24	20.96277	(98122824)	600356.41	4134253.63	19.64762
(98122824)						
600364.86	4134221.52	16.75043	(98122824)	600367.68	4134210.82	15.79884
(98122824)						
600370.50	4134200.11	14.83601	(98122824)	600373.31	4134189.41	13.85031
(98122824)						
600376.13	4134178.70	12.83425	(98122824)	600367.20	4134301.37	24.08629
(98122824)						
600361.36	4134292.46	23.11380	(98122824)	600355.51	4134283.56	22.23456
(98122824)						
600349.67	4134274.65	21.49706	(98122824)	600343.83	4134265.74	20.83873
(98122824)						

600342.26 (98122824)	4134256.13	20.08056 (98122824)	600344.97	4134245.83	19.12595
600347.68 (98122824)	4134235.53	18.19182 (98122824)	600353.11	4134214.92	16.43087
600355.82 (98122824)	4134204.62	15.56743 (98122824)	600369.37	4134153.10	10.91990
600359.17 (98122824)	4134312.92	24.79503 (98122824)	600353.28	4134303.95	23.91708
600347.40 (98122824)	4134294.98	23.13945 (98122824)	600341.52	4134286.01	22.44162
600335.63 (98122824)	4134277.04	21.85599 (98122824)	600329.75	4134268.07	21.29770
600328.17 (98122824)	4134258.40	20.58862 (98122824)	600330.90	4134248.02	19.62075
600333.63 (98122824)	4134237.65	18.64921 (98122824)	600336.36	4134227.27	17.71381
600347.28 (98122824)	4134185.77	14.37020 (98122824)	600350.01	4134175.40	13.49812
600352.74 (98122824)	4134165.02	12.58849 (98122824)	600355.47	4134154.65	11.64663
600358.20 (98122824)	4134144.27	10.68021 (98122824)	600351.18	4134324.54	25.24993
600345.26 (98122824)	4134315.51	24.58685 (98122824)	600339.34	4134306.49	23.90905
600333.42 (98122824)	4134297.47	23.30908 (98122824)	600327.50	4134288.44	22.76036
600321.58 (98122824)	4134279.42	22.24780 (98122824)	600315.67	4134270.39	21.68276
600314.08 (98122824)	4134260.66	21.01294 (98122824)	600316.83	4134250.23	20.13067
600330.56 (98122824)	4134198.04	15.71589 (98122824)	600333.30	4134187.61	14.91592
600336.05 (98122824)	4134177.17	14.09554 (98122824)	600338.80	4134166.73	13.24255
600341.54 (98122824)	4134156.30	12.35170 (98122824)	600344.29	4134145.86	11.42430
600347.04 (98122824)	4134135.42	10.47189 (98122824)	600343.23	4134336.21	25.58920
600337.28 (98122824)	4134327.14	25.03627 (98122824)	600331.33	4134318.07	24.46202
600325.38 (98122824)	4134309.00	23.96391 (98122824)	600319.43	4134299.93	23.51272
600313.48 (98122824)	4134290.86	23.02601 (98122824)	600307.53	4134281.79	22.50023
600301.58 (98122824)	4134272.72	21.99710 (98122824)	600308.27	4134231.46	18.81115
600311.03 (98122824)	4134220.97	17.89590 (98122824)	600313.79	4134210.48	17.02830

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION
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*** AERMET - VERSION 15181 ***
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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

(YYMMDDHH)

600322.07	4134179.01	14.65762	(98122824)	600324.83	4134168.52	13.85655
(98122824)						
600327.59	4134158.03	13.01879	(98122824)	600330.35	4134147.54	12.14144
(98122824)						
600333.11	4134137.05	11.22860	(98122824)	600335.87	4134126.56	10.29087
(98122824)						
600326.15	4134353.89	25.89571	(98122824)	600320.21	4134344.83	25.58928
(98122824)						
600314.27	4134335.78	25.17964	(98122824)	600308.33	4134326.73	24.84815
(98122824)						
600302.39	4134317.67	24.55994	(98122824)	600296.45	4134308.62	24.20040
(98122824)						
600290.51	4134299.57	23.76618	(98122824)	600284.58	4134290.51	23.34121
(98122824)						
600274.08	4134267.17	22.12839	(98122824)	600276.83	4134256.70	21.33902
(98122824)						
600279.59	4134246.23	20.60678	(98122824)	600282.34	4134235.76	19.84210
(98122824)						
600285.10	4134225.29	19.04888	(98122824)	600287.85	4134214.81	18.16097
(98122824)						
600290.61	4134204.34	17.25825	(98122824)	600293.36	4134193.87	16.40077
(98122824)						
600301.63	4134162.46	14.20852	(98122824)	600304.39	4134151.99	13.43722
(98122824)						
600307.14	4134141.52	12.62887	(98122824)	600309.90	4134131.05	11.78146
(98122824)						
600312.65	4134120.57	10.90031	(98122824)	600315.41	4134110.10	9.99865
(98122824)						
600312.02	4134376.07	25.65886	(98122824)	600306.09	4134367.03	25.49588
(98122824)						
600300.16	4134357.99	25.35738	(98122824)	600294.23	4134348.95	25.22321
(98122824)						
600288.30	4134339.91	25.08025	(98122824)	600282.37	4134330.87	24.91809
(98122824)						
600276.44	4134321.83	24.72820	(98122824)	600270.51	4134312.79	24.48805
(98122824)						
600258.65	4134294.71	23.96322	(98122824)	600252.72	4134285.67	23.62364
(98122824)						
600248.17	4134271.40	22.76426	(98122824)	600250.92	4134260.94	22.04248
(98122824)						
600253.67	4134250.49	21.33183	(98122824)	600256.42	4134240.03	20.64413
(98122824)						
600259.17	4134229.58	19.92259	(98122824)	600261.92	4134219.12	19.18414
(98122824)						
600264.67	4134208.67	18.43097	(98122824)	600267.43	4134198.21	17.65906
(98122824)						
600270.18	4134187.75	16.81256	(98122824)	600272.93	4134177.30	16.00642
(98122824)						
600281.18	4134145.93	13.82987	(98122824)	600283.93	4134135.48	13.08271
(98122824)						
600294.94	4134093.65	9.76349	(98122824)	600293.69	4134391.85	24.87636
(98122824)						
600287.62	4134382.60	24.71310	(98122824)	600281.56	4134373.35	24.62128
(98122824)						
600275.49	4134364.10	24.63643	(98122824)	600269.42	4134354.85	24.63600
(98122824)						
600263.35	4134345.60	24.61179	(98122824)	600257.29	4134336.35	24.55640
(98122824)						
600239.08	4134308.60	24.16448	(98122824)	600233.02	4134299.35	23.95359
(98122824)						
600226.95	4134290.10	23.70364	(98122824)	600222.29	4134275.50	23.07248

(98122824)	600225.11	4134264.80	22.48825	(98122824)	600227.92	4134254.11	21.83933
(98122824)	600230.74	4134243.41	21.24761	(98122824)	600233.55	4134232.71	20.59418
(98122824)	600236.37	4134222.01	19.90073	(98122824)	600239.18	4134211.31	19.18767
(98122824)	600242.00	4134200.62	18.47056	(98122824)	600244.81	4134189.92	17.67501
(98122824)	600247.63	4134179.22	16.83359	(98122824)	600258.89	4134136.43	13.96231
(98122824)	600261.70	4134125.73	13.24056	(98122824)	600264.52	4134115.03	12.48398
(98122824)	600267.33	4134104.33	11.69174	(98122824)	600270.15	4134093.63	10.86943
(98122824)	600272.96	4134082.94	10.02769	(98122824)	600275.78	4134072.24	9.17605
(98122824)	600279.66	4134414.18	23.02146m	(00123124)	600273.61	4134404.96	23.12447

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YMMDDHH)	Y-COORD (M)	CONC (YMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600267.56	4134395.73	23.15894	(98122824)	600261.51	4134386.51	23.20418
(98122824)						
600255.46	4134377.29	23.23476	(98122824)	600249.41	4134368.07	23.38545
(98122824)						
600243.36	4134358.85	23.52130	(98122824)	600237.31	4134349.63	23.62057
(98122824)						
600225.22	4134331.18	23.69635	(98122824)	600219.17	4134321.96	23.66783
(98122824)						
600213.12	4134312.74	23.59513	(98122824)	600207.07	4134303.52	23.47929
(98122824)						
600201.02	4134294.30	23.28537	(98122824)	600196.38	4134279.74	22.88442
(98122824)						
600199.18	4134269.08	22.57449	(98122824)	600201.99	4134258.41	22.12151
(98122824)						
600204.80	4134247.75	21.66526	(98122824)	600207.60	4134237.08	21.14846
(98122824)						
600210.41	4134226.42	20.56265	(98122824)	600221.64	4134183.76	17.74179
(98122824)						
600224.44	4134173.09	16.95187	(98122824)	600227.25	4134162.43	16.22184
(98122824)						
600230.06	4134151.76	15.58563	(98122824)	600232.86	4134141.10	14.94814
(98122824)						
600238.48	4134119.77	13.62825	(98122824)	600241.28	4134109.10	12.92925
(98122824)						
600244.09	4134098.44	12.19818	(98122824)	600246.90	4134087.77	11.43525
(98122824)						

600249.70 (98122824)	4134077.11	10.64750 (98122824)	600252.51	4134066.44	9.84261
600255.32 (98122824)	4134055.78	9.03212 (98122824)	600374.52	4134301.25	24.35126
600337.14 (98122824)	4134348.56	25.96208 (98122824)	600323.13	4134366.30	26.02731
600318.45 (98122824)	4134372.22	25.89601 (98122824)	600309.11	4134384.05	25.53802
600304.44 (98122824)	4134389.96	25.32556 (98122824)	600290.42	4134407.70	24.24297
600271.73 (00123124)	4134431.36	22.91351m (00123124)	600267.06	4134437.27	22.79155m
600234.35 (99012324)	4134478.67	18.18965m (00123124)	600229.68	4134484.58	17.89619
600225.01 (99012324)	4134490.49	18.11735 (99012324)	600201.64	4134520.06	19.41680
600196.97 (99012324)	4134525.98	19.55248 (99012324)	600192.30	4134531.89	19.66085
600187.63 (99012324)	4134537.80	19.74652 (99012324)	600182.95	4134543.72	19.80668
600336.21 (98122824)	4134338.22	25.52958 (98122824)	600331.54	4134344.14	25.70623
600317.52 (98122824)	4134361.88	25.80568 (98122824)	600303.50	4134379.62	25.34948
600298.83 (98122824)	4134385.53	25.14679 (98122824)	600289.49	4134397.36	24.53658
600284.81 (00123124)	4134403.27	24.03615 (98122824)	600266.12	4134426.93	22.98445m
600261.45 (00123124)	4134432.84	22.85932m (00123124)	600242.76	4134456.50	21.33178m
600238.09 (00123124)	4134462.41	20.53879m (00123124)	600233.42	4134468.32	19.57534m
600228.75 (99012324)	4134474.24	18.52350m (00123124)	600210.06	4134497.89	17.71634
600205.38 (99012324)	4134503.81	18.04797 (99012324)	600200.71	4134509.72	18.36632
600196.04 (99012324)	4134515.64	18.64623 (99012324)	600191.37	4134521.55	18.89519
600330.61 (98122824)	4134333.79	25.25518 (98122824)	600325.93	4134339.71	25.46398
600316.59 (98122824)	4134351.53	25.66482 (98122824)	600311.92	4134357.45	25.62170
600297.90 (98122824)	4134375.19	25.17181 (98122824)	600283.88	4134392.93	24.31009
600279.21 (00123124)	4134398.84	23.81464 (98122824)	600260.52	4134422.50	23.03456m
600255.85 (00123124)	4134428.41	22.92360m (00123124)	600251.18	4134434.33	22.72560m
600246.50 (00123124)	4134440.24	22.45556m (00123124)	600241.83	4134446.16	22.04023m
600237.16 (00123124)	4134452.07	21.45700m (00123124)	600232.49	4134457.98	20.72314m
600227.81 (99012324)	4134463.90	19.82138m (00123124)	600209.12	4134487.55	16.66090

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE A-1821

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF Q/CHI		IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
(YYMMDDHH)							
600204.45	4134493.47	16.89138	(99012324)	600199.78	4134499.38	17.17112	
(99012324)							
600195.11	4134505.29	17.49385	(99012324)	600176.42	4134528.95	18.48416	
(99012324)							
600171.74	4134534.86	18.51688	(99012324)	600395.09	4134240.66	18.33351	
(98122824)							
600325.00	4134329.37	24.98649	(98122824)	600310.98	4134347.11	25.49011	
(98122824)							
600306.31	4134353.02	25.46586	(98122824)	600296.97	4134364.85	25.25694	
(98122824)							
600292.29	4134370.76	25.05341	(98122824)	600278.28	4134388.50	24.12478	
(98122824)							
600254.92	4134418.07	23.06473m	(00123124)	600250.24	4134423.99	22.96835m	
(00123124)							
600245.57	4134429.90	22.79092m	(00123124)	600240.90	4134435.81	22.51371m	
(00123124)							
600236.23	4134441.73	22.13659m	(00123124)	600231.55	4134447.64	21.58400m	
(00123124)							
600212.86	4134471.30	18.05872m	(00123124)	600208.19	4134477.21	16.96643m	
(00123124)							
600203.52	4134483.12	15.86960	(99012324)	600198.85	4134489.04	16.10590	
(99012324)							
600180.16	4134512.69	17.25749	(99012324)	600175.48	4134518.61	17.53025	
(99012324)							
600170.81	4134524.52	17.74409	(99012324)	600166.14	4134530.43	17.81879	
(99012324)							
600370.79	4134259.89	20.22868	(98122824)	600324.07	4134319.02	24.43811	
(98122824)							
600319.40	4134324.94	24.74585	(98122824)	600305.38	4134342.68	25.29821	
(98122824)							
600291.36	4134360.42	25.14502	(98122824)	600286.69	4134366.33	24.94876	
(98122824)							
600272.67	4134384.07	23.93623	(98122824)	600249.31	4134413.64	23.07681m	
(00123124)							
600244.64	4134419.56	22.99451m	(00123124)	600225.95	4134443.21	21.63932m	
(00123124)							
600216.60	4134455.04	20.18805m	(00123124)	600211.93	4134460.95	19.31563m	
(00123124)							
600207.26	4134466.87	18.33956m	(00123124)	600202.59	4134472.78	17.29642m	
(00123124)							
600197.91	4134478.70	16.17524m	(00123124)	600179.22	4134502.35	16.16970	
(99012324)							
600174.55	4134508.26	16.47904	(99012324)	600169.88	4134514.18	16.74514	
(99012324)							
600165.21	4134520.09	16.97053	(99012324)	600160.54	4134526.01	17.12001	
(99012324)							
600350.24	4134262.86	20.50843	(98122824)	600312.86	4134310.17	24.09218	
(98122824)							
600298.84	4134327.91	24.91749	(98122824)	600294.17	4134333.82	25.05173	
(98122824)							
600280.15	4134351.56	24.95027	(98122824)	600266.14	4134369.30	24.12398	
(98122824)							
600252.12	4134387.05	22.59537m	(00123124)	600238.10	4134404.79	23.03389m	
(00123124)							
600233.43	4134410.70	22.99848m	(00123124)	600228.76	4134416.62	22.80896m	
(00123124)							

(00123124)	600224.08	4134422.53	22.52666m (00123124)	600219.41	4134428.44	22.15678m
(00123124)	600214.74	4134434.36	21.70336m (00123124)	600210.07	4134440.27	21.13218m
(00123124)	600191.38	4134463.93	17.75807m (00123124)	600186.71	4134469.84	16.73317m
(00123124)	600182.03	4134475.75	15.69403m (00123124)	600177.36	4134481.67	14.65514m
(00123124)	600172.69	4134487.58	14.38618 (99012324)	600168.02	4134493.49	14.71583
(99012324)	600163.34	4134499.41	15.03825 (99012324)	600158.67	4134505.32	15.32915
(99012324)	600154.00	4134511.24	15.55779 (99012324)	600149.33	4134517.15	15.73856
(99012324)	600315.67	4134283.57	22.55168 (98122824)	600306.32	4134295.40	23.34424
(98122824)	600301.65	4134301.31	23.73849 (98122824)	600287.63	4134319.05	24.72156
(98122824)	600273.62	4134336.79	24.85946 (98122824)	600259.60	4134354.53	24.33174
(98122824)	600254.93	4134360.45	23.97238 (98122824)	600240.91	4134378.19	22.32469
(98122824)	600226.89	4134395.93	22.71578m (00123124)	600222.22	4134401.85	22.71122m
(00123124)						

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600217.55	4134407.76	22.59768m (00123124)	600203.53	4134425.50	21.68536m
(00123124)					
600194.19	4134437.33	20.51723m (00123124)	600189.51	4134443.24	19.80427m
(00123124)					
600184.84	4134449.16	18.99595m (00123124)	600180.17	4134455.07	18.12217m
(00123124)					
600175.50	4134460.98	17.18359m (00123124)	600170.82	4134466.90	16.22447m
(00123124)					
600166.15	4134472.81	15.31078m (00123124)	600161.48	4134478.72	14.37335m
(00123124)					
600156.81	4134484.64	13.43573 (99012324)	600152.13	4134490.55	13.76228
(99012324)					
600147.46	4134496.47	14.07140 (99012324)	600142.79	4134502.38	14.31479
(99012324)					
600138.12	4134508.29	14.52214 (99012324)	600299.79	4134280.63	22.49964
(98122824)					
600295.11	4134286.54	22.87178 (98122824)	600281.10	4134304.28	24.11602
(98122824)					
600267.08	4134322.02	24.65673 (98122824)	600262.41	4134327.94	24.65644
(98122824)					

600248.39 (98122824)	4134345.68	24.16657 (98122824)	600234.37	4134363.42	22.83714
600229.70 (00123124)	4134369.33	22.20774 (98122824)	600215.68	4134387.07	22.41615m
600211.01 (00123124)	4134392.99	22.42631m (00123124)	600206.34	4134398.90	22.35215m
600201.67 (00123124)	4134404.82	22.18718m (00123124)	600196.99	4134410.73	21.93884m
600192.32 (00123124)	4134416.64	21.57695m (00123124)	600187.65	4134422.56	21.12301m
600182.98 (00123124)	4134428.47	20.55551m (00123124)	600178.30	4134434.39	19.89746m
600173.63 (00123124)	4134440.30	19.18065m (00123124)	600168.96	4134446.21	18.46904m
600164.29 (00123124)	4134452.13	17.68823m (00123124)	600159.61	4134458.04	16.84380m
600154.94 (00123124)	4134463.95	15.94991m (00123124)	600150.27	4134469.87	15.04243m
600145.60 (00123124)	4134475.78	14.13801m (00123124)	600140.92	4134481.70	13.23312m
600136.25 (99012324)	4134487.61	12.88957 (99012324)	600131.58	4134493.52	13.18668
600126.91 (98122824)	4134499.44	13.43618 (99012324)	600370.82	4134144.64	10.14752
600342.78 (98122824)	4134180.12	14.09384 (98122824)	600300.73	4134233.35	19.19077
600296.06 (98122824)	4134239.26	19.78157 (98122824)	600291.39	4134245.17	20.30524
600286.71 (98122824)	4134251.09	20.79953 (98122824)	600268.02	4134274.74	22.76808
600263.35 (98122824)	4134280.66	23.26011 (98122824)	600249.33	4134298.40	24.06087
600244.66 (98122824)	4134304.31	24.16419 (98122824)	600235.32	4134316.14	24.14574
600230.64 (98122824)	4134322.05	24.01121 (98122824)	600216.63	4134339.79	23.07551
600211.95 (98122824)	4134345.71	22.58813 (98122824)	600207.28	4134351.62	22.02294
600193.26 (00123124)	4134369.36	21.91843m (00123124)	600188.59	4134375.28	22.01780m
600183.92 (00123124)	4134381.19	22.01291m (00123124)	600179.25	4134387.10	21.90088m
600174.58 (00123124)	4134393.02	21.71930m (00123124)	600169.90	4134398.93	21.44125m
600165.23 (00123124)	4134404.85	21.08678m (00123124)	600160.56	4134410.76	20.68463m
600155.89 (00123124)	4134416.67	20.22857m (00123124)	600151.21	4134422.59	19.72067m
600146.54 (00123124)	4134428.50	19.14369m (00123124)	600141.87	4134434.41	18.50797m
600137.20 (00123124)	4134440.33	17.81846m (00123124)	600132.52	4134446.24	17.07549m
600127.85 (00123124)	4134452.16	16.30431m (00123124)	600123.18	4134458.07	15.50201m
600118.51 (98122824)	4134463.98	14.69472m (00123124)	600359.61	4134135.78	9.92440
600331.57 (98122824)	4134171.26	13.82248 (98122824)	600308.21	4134200.83	16.49331
600303.54 (98122824)	4134206.75	17.05990 (98122824)	600298.87	4134212.66	17.64423

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600294.19 (98122824)	4134218.58	18.27800 (98122824)	(98122824)	600270.83	4134248.14	20.89596
600266.16 (98122824)	4134254.06	21.34946 (98122824)	(98122824)	600261.49	4134259.97	21.83544
600256.81 (98122824)	4134265.89	22.32176 (98122824)	(98122824)	600242.80	4134283.63	23.52606
600238.12 (98122824)	4134289.54	23.76555 (98122824)	(98122824)	600224.11	4134307.28	23.89141
600210.09 (98122824)	4134325.02	23.27463 (98122824)	(98122824)	600205.42	4134330.94	22.89706
600200.75 (98122824)	4134336.85	22.38726 (98122824)	(98122824)	600196.07	4134342.76	21.78831
600182.06 (00123124)	4134360.51	21.54085m (00123124)	(00123124)	600177.38	4134366.42	21.68133m
600172.71 (00123124)	4134372.33	21.78752m (00123124)	(00123124)	600168.04	4134378.25	21.76381m
600163.37 (00123124)	4134384.16	21.57476m (00123124)	(00123124)	600158.69	4134390.08	21.33176m
600154.02 (00123124)	4134395.99	21.03041m (00123124)	(00123124)	600149.35	4134401.90	20.67506m
600144.68 (00123124)	4134407.82	20.25328m (00123124)	(00123124)	600140.00	4134413.73	19.83971m
600135.33 (00123124)	4134419.64	19.35792m (00123124)	(00123124)	600130.66	4134425.56	18.80028m
600125.99 (00123124)	4134431.47	18.17350m (00123124)	(00123124)	600121.31	4134437.39	17.48236m
600116.64 (00123124)	4134443.30	16.78313m (00123124)	(00123124)	600111.97	4134449.21	16.04583m
600107.30 (00123124)	4134455.13	15.27849m (00123124)	(00123124)	600102.62	4134461.04	14.47319m
600097.95 (00123124)	4134466.95	13.63059m (00123124)	(00123124)	600093.28	4134472.87	12.76068m
600348.40 (98122824)	4134126.93	9.73481 (98122824)	(98122824)	600320.36	4134162.41	13.58602
600315.69 (98122824)	4134168.32	14.14232 (98122824)	(98122824)	600311.02	4134174.24	14.67486
600282.98 (98122824)	4134209.72	17.91475 (98122824)	(98122824)	600278.31	4134215.63	18.50032
600273.64 (98122824)	4134221.55	19.06110 (98122824)	(98122824)	600268.97	4134227.46	19.57370
600240.93 (98122824)	4134262.94	22.28015 (98122824)	(98122824)	600236.26	4134268.86	22.68756
600231.59 (98122824)	4134274.77	23.04397 (98122824)	(98122824)	600226.92	4134280.68	23.34237
600217.57 (98122824)	4134292.51	23.63376 (98122824)	(98122824)	600212.90	4134298.43	23.61215
600203.55 (98122824)	4134310.25	23.32053 (98122824)	(98122824)	600198.88	4134316.17	22.96305
600194.21	4134322.08	22.54460 (98122824)	(98122824)	600189.54	4134327.99	22.03654

(98122824)	600184.86	4134333.91	21.46197	(98122824)	600170.85	4134351.65	21.07685m
(00123124)	600166.17	4134357.56	21.25694m	(00123124)	600161.50	4134363.48	21.36906m
(00123124)	600156.83	4134369.39	21.40745m	(00123124)	600152.16	4134375.30	21.36779m
(00123124)	600147.48	4134381.22	21.19220m	(00123124)	600142.81	4134387.13	20.93938m
(00123124)	600138.14	4134393.05	20.65611m	(00123124)	600133.47	4134398.96	20.32626m
(00123124)	600128.79	4134404.87	19.94512m	(00123124)	600124.12	4134410.79	19.51708m
(00123124)	600119.45	4134416.70	19.02614m	(00123124)	600114.78	4134422.62	18.46500m
(00123124)	600110.10	4134428.53	17.85488m	(00123124)	600105.43	4134434.44	17.21092m
(00123124)	600100.76	4134440.36	16.53886m	(00123124)	600096.09	4134446.27	15.81040m
(00123124)	600091.42	4134452.18	15.04315m	(00123124)	600086.74	4134458.10	14.23712m
(00123124)	600082.07	4134464.01	13.41232m	(00123124)	600332.47	4134104.74	8.78556
(98122824)	600327.80	4134110.65	9.45323	(98122824)	600323.13	4134116.57	10.12046
(98122824)	600299.77	4134146.13	13.21291	(98122824)	600295.09	4134152.05	13.75725
(98122824)	600290.42	4134157.96	14.27770	(98122824)	600262.39	4134193.45	17.50340
(98122824)	600257.71	4134199.36	18.02558	(98122824)	600253.04	4134205.27	18.50449
(98122824)							

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** ***
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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600248.37	4134211.19	18.98173	(98122824)	600243.70	4134217.10	19.45195
(98122824)						
600220.34	4134246.67	21.52835	(98122824)	600215.66	4134252.58	21.84315
(98122824)						
600210.99	4134258.50	22.13936	(98122824)	600206.32	4134264.41	22.44021
(98122824)						
600187.63	4134288.07	22.69782	(98122824)	600182.96	4134293.98	22.46827
(98122824)						
600178.28	4134299.89	22.16376	(98122824)	600173.61	4134305.81	21.80114
(98122824)						
600168.94	4134311.72	21.41440	(98122824)	600164.27	4134317.63	20.97987
(98122824)						
600150.25	4134335.38	20.38584m	(00123124)	600145.58	4134341.29	20.57799m
(00123124)						

600140.90 (00123124)	4134347.20	20.70433m (00123124)	600136.23	4134353.12	20.75375m
600131.56 (00123124)	4134359.03	20.75345m (00123124)	600126.89	4134364.95	20.71160m
600122.21 (00123124)	4134370.86	20.60485m (00123124)	600117.54	4134376.77	20.44006m
600112.87 (00123124)	4134382.69	20.22306m (00123124)	600108.20	4134388.60	19.97769m
600103.53 (00123124)	4134394.51	19.66423m (00123124)	600098.85	4134400.43	19.28240m
600094.18 (00123124)	4134406.34	18.83603m (00123124)	600089.51	4134412.26	18.35597m
600084.84 (00123124)	4134418.17	17.83894m (00123124)	600080.16	4134424.08	17.29722m
600075.49 (00123124)	4134430.00	16.70665m (00123124)	600070.82	4134435.91	16.06751m
600066.15 (00123124)	4134441.82	15.35635m (00123124)	600061.47	4134447.74	14.61071m
600291.28 (98122824)	4134072.19	8.44622 (98122824)	600286.61	4134078.11	9.06982
600281.93 (98122824)	4134084.02	9.69361 (98122824)	600277.26	4134089.93	10.30986
600253.90 (98122824)	4134119.50	13.12611 (98122824)	600249.23	4134125.42	13.62172
600216.52 (98122824)	4134166.81	16.69676 (98122824)	600211.85	4134172.73	17.19032
600207.18 (98122824)	4134178.64	17.68531 (98122824)	600202.50	4134184.55	18.17981
600197.83 (98122824)	4134190.47	18.67065 (98122824)	600193.16	4134196.38	19.15207
600188.49 (98122824)	4134202.29	19.53072 (98122824)	600183.81	4134208.21	19.88719
600179.14 (98122824)	4134214.12	20.21477 (98122824)	600174.47	4134220.04	20.50836
600169.80 (98122824)	4134225.95	20.75966 (98122824)	600165.12	4134231.86	20.96372
600160.45 (98122824)	4134237.78	21.11572 (98122824)	600155.78	4134243.69	21.21004
600151.11 (98122824)	4134249.61	21.24267 (98122824)	600146.43	4134255.52	21.21206
600141.76 (98122824)	4134261.43	21.11838 (98122824)	600137.09	4134267.35	20.96137
600132.42 (98122824)	4134273.26	20.74325 (98122824)	600127.74	4134279.17	20.46900
600123.07 (98122824)	4134285.09	20.14511 (98122824)	600109.06	4134302.83	18.91979
600104.38 (00123124)	4134308.74	19.06061m (00123124)	600099.71	4134314.66	19.25559m
600095.04 (00123124)	4134320.57	19.40863m (00123124)	600090.37	4134326.48	19.53751m
600085.69 (00123124)	4134332.40	19.62890m (00123124)	600081.02	4134338.31	19.71665m
600076.35 (00123124)	4134344.23	19.78798m (00123124)	600071.68	4134350.14	19.79692m
600067.00 (00123124)	4134356.05	19.75844m (00123124)	600062.33	4134361.97	19.66136m
600057.66 (00123124)	4134367.88	19.50528m (00123124)	600052.99	4134373.79	19.28092m
600048.31 (00123124)	4134379.71	19.03646m (00123124)	600043.64	4134385.62	18.74238m
600038.97 (00123124)	4134391.54	18.39959m (00123124)	600034.30	4134397.45	18.00488m
600029.62 (00123124)	4134403.36	17.56164m (00123124)	600024.95	4134409.28	17.04017m

600020.28 4134415.19 16.43802m (00123124) 600270.68 4134055.92 8.33864
 (98122824)

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600266.01 (98122824)	4134061.83	8.93743 (98122824)		600261.34	4134067.75	9.53683
600256.66 (98122824)	4134073.66	10.12940 (98122824)		600233.30	4134103.23	12.85000
600228.63 (98122824)	4134109.14	13.33156 (98122824)		600214.61	4134126.88	14.66387
600209.94 (98122824)	4134132.80	15.08018 (98122824)		600205.27	4134138.71	15.48648
600200.60 (98122824)	4134144.62	15.88610 (98122824)		600195.92	4134150.54	16.28083
600191.25 (98122824)	4134156.45	16.67124 (98122824)		600186.58	4134162.37	17.05787
600181.91 (98122824)	4134168.28	17.46400 (98122824)		600177.23	4134174.19	17.91532
600172.56 (98122824)	4134180.11	18.35884 (98122824)		600167.89	4134186.02	18.78911
600163.22 (98122824)	4134191.94	19.20101 (98122824)		600158.54	4134197.85	19.56044
600153.87 (98122824)	4134203.76	19.83144 (98122824)		600149.20	4134209.68	20.06626
600144.53 (98122824)	4134215.59	20.25862 (98122824)		600139.85	4134221.50	20.40372
600135.18 (98122824)	4134227.42	20.49828 (98122824)		600130.51	4134233.33	20.53755
600125.84 (98122824)	4134239.25	20.52153 (98122824)		600121.16	4134245.16	20.44923
600116.49 (98122824)	4134251.07	20.32110 (98122824)		600111.82	4134256.99	20.13915
600107.15 (98122824)	4134262.90	19.90737 (98122824)		600102.48	4134268.81	19.63244
600088.46 (00123124)	4134286.56	18.59964 (98122824)		600083.79	4134292.47	18.21676m
600079.11 (00123124)	4134298.38	18.48929m (00123124)		600074.44	4134304.30	18.73150m
600069.77 (00123124)	4134310.21	18.95793m (00123124)		600065.10	4134316.12	19.14960m
600060.42 (00123124)	4134322.04	19.33073m (00123124)		600055.75	4134327.95	19.46349m
600051.08 (00123124)	4134333.87	19.53851m (00123124)		600046.41	4134339.78	19.56073m
600041.73 (00123124)	4134345.69	19.54498m (00123124)		600037.06	4134351.61	19.46645m
600032.39	4134357.52	19.32279m (00123124)		600027.72	4134363.44	19.13032m

(00123124)	600023.04	4134369.35	18.88266m	(00123124)	600018.37	4134375.26	18.58059m
(00123124)	600013.70	4134381.18	18.24985m	(00123124)	600009.03	4134387.09	17.86134m
(00123124)	600004.35	4134393.00	17.41044m	(00123124)	599999.68	4134398.92	16.90955m
(00123124)	600180.65	4134609.15	25.55278	(00010324)	600178.12	4134600.06	24.99646
(00010324)	600173.84	4134611.14	25.16420	(00010324)	600167.67	4134623.27	25.07504
(00010324)	600157.52	4134605.56	23.65722	(00010324)	600159.71	4134594.69	22.92654
(00010324)	600168.46	4134551.18	19.17303	(99012324)	600153.34	4134617.05	24.06287
(00010324)	600150.65	4134607.42	23.23486	(00010324)	600152.87	4134596.42	22.45057
(00010324)	600155.08	4134585.42	21.49653	(00010324)	600163.93	4134541.43	18.31213
(99012324)	600150.32	4134623.18	24.14974	(00010324)	600143.78	4134609.28	22.82529
(00010324)	600146.02	4134598.18	21.99298	(00010324)	600148.25	4134587.08	20.98759
(00010324)	600157.19	4134542.66	17.90299	(99012324)	600147.32	4134638.76	24.36940
(00010324)	600139.95	4134630.72	23.83433	(00010324)	600132.59	4134622.69	22.94508
(00010324)	600129.98	4134613.33	22.05548	(00010324)	600132.13	4134602.64	21.23168
(00010324)	600134.28	4134591.95	20.24647	(00010324)	600136.43	4134581.27	19.16289
(00010324)	600138.58	4134570.58	18.21333	(00120524)	600145.03	4134538.52	16.84899
(99012324)	600147.18	4134527.84	16.33712	(99012324)	600141.38	4134651.13	24.12467
(00010324)	600133.89	4134642.95	23.84301	(00010324)	600126.39	4134634.77	23.17466
(00010324)							

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 *** 01/05/16

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
600118.89	4134626.59	22.21027	(00010324)	600116.24	4134617.06	21.26376
(00010324)						
600118.43	4134606.19	20.41197	(00010324)	600120.61	4134595.31	19.40752
(00010324)						
600122.80	4134584.43	18.41963	(00120524)	600124.99	4134573.56	17.69816
(00120524)						
600127.18	4134562.68	17.07724	(99012324)	600133.74	4134530.05	15.71381
(99012324)						

600135.93 (00010324)	4134519.17	15.14826	(99012324)	600131.80	4134659.53	23.67116
600124.20 (00010324)	4134651.23	23.46974	(00010324)	600116.59	4134642.93	22.91564
600108.99 (00010324)	4134634.63	22.00697	(00010324)	600102.49	4134620.82	20.48944
600104.71 (00120524)	4134609.78	19.61965	(00010324)	600106.93	4134598.75	18.70314
600109.15 (00120524)	4134587.71	18.03788	(00120524)	600111.37	4134576.68	17.25047
600113.59 (99012324)	4134565.64	16.53950	(99012324)	600115.81	4134554.61	16.11259
600122.47 (99012324)	4134521.51	14.62586	(99012324)	600124.69	4134510.47	14.05821
600126.10 (00010324)	4134672.16	23.17784	(00010324)	600118.41	4134663.76	23.18573
600110.71 (00010324)	4134655.36	22.86180	(00010324)	600103.01	4134646.96	22.19114
600095.32 (00010324)	4134638.57	21.22831	(00010324)	600088.74	4134624.59	19.69741
600090.99 (00120524)	4134613.42	18.91093	(00120524)	600093.24	4134602.25	18.34195
600095.48 (00120524)	4134591.08	17.66684	(00120524)	600097.73	4134579.92	16.88726
600099.97 (99012324)	4134568.75	16.10060	(99012324)	600102.22	4134557.58	15.66335
600104.47 (99012324)	4134546.42	15.23179	(99012324)	600111.21	4134512.91	13.62238
600113.45 (99123024)	4134501.75	13.03989	(99012324)	600199.82	4134741.14	27.43507
600115.09 (00010324)	4134678.99	22.76548	(00010324)	600107.59	4134670.81	22.73404
600100.10 (00010324)	4134662.63	22.41806	(00010324)	600092.60	4134654.45	21.80231
600085.10 (00010324)	4134646.27	20.91488	(00010324)	600077.61	4134638.09	19.87672
600074.95 (00120524)	4134628.56	18.94604	(00010324)	600077.14	4134617.69	18.58806
600079.33 (00120524)	4134606.81	18.05261	(00120524)	600081.52	4134595.93	17.40270
600083.70 (00120524)	4134585.06	16.65808	(00120524)	600085.89	4134574.18	15.83309
600088.08 (99012324)	4134563.30	15.36737	(99012324)	600090.27	4134552.43	14.94645
600092.46 (99012324)	4134541.55	14.53260	(99012324)	600094.64	4134530.67	14.06250
600194.81 (00010324)	4134754.51	27.42580	(99123024)	600113.15	4134695.73	22.05388
600105.57 (00010324)	4134687.46	22.34016	(00010324)	600098.00	4134679.19	22.34314
600090.42 (00010324)	4134670.92	22.06557	(00010324)	600082.84	4134662.65	21.50890
600075.26 (00010324)	4134654.38	20.71669	(00010324)	600067.68	4134646.11	19.70794
600061.20 (00120524)	4134632.34	18.53736	(00120524)	600063.42	4134621.34	18.21322
600065.63 (00120524)	4134610.34	17.71514	(00120524)	600067.84	4134599.34	17.04531
600070.05 (00120524)	4134588.35	16.30013	(00120524)	600072.26	4134577.35	15.50794
600074.48 (99012324)	4134566.35	15.00766	(99012324)	600076.69	4134555.35	14.57075
600078.90 (99012324)	4134544.35	14.17480	(99012324)	600089.96	4134489.36	11.40944

600189.79 (00010324)	4134767.89	27.38728	(99123024)	600103.73	4134704.29	21.57694
600096.08 (00010324)	4134695.94	21.88910	(00010324)	600088.42	4134687.59	21.95580
600080.77 (00010324)	4134679.24	21.73827	(00010324)	600073.12	4134670.89	21.25166
600065.47 (00010324)	4134662.54	20.51754	(00010324)	600057.81	4134654.19	19.57526

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
 *** 01/05/16

*** AERMET - VERSION 15181 *** **
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**MODELOPTs: RegDFault CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC
600050.16 (00120524)	4134645.84	18.53856	(00120524)	600047.45	4134636.12	18.18310
600049.69 (00120524)	4134625.01	17.84397	(00120524)	600051.92	4134613.91	17.36845
600054.15 (00120524)	4134602.81	16.70882	(00120524)	600056.39	4134591.70	15.96253
600058.62 (99012324)	4134580.60	15.18672	(00120524)	600060.85	4134569.50	14.66604
600063.09 (00123124)	4134558.39	14.26788	(99012324)	600078.72	4134480.67	11.38725m
600174.11 (99123024)	4134777.27	26.49470	(99123024)	600184.78	4134781.27	27.32269
600155.71 (00010324)	4134795.65	25.58159	(99123024)	600086.46	4134720.08	20.71307
600078.76 (00010324)	4134711.69	21.06908	(00010324)	600071.07	4134703.29	21.20059
600063.37 (00010324)	4134694.89	21.09786	(00010324)	600055.68	4134686.50	20.76020
600047.98 (00010324)	4134678.10	20.16630	(00010324)	600040.29	4134669.70	19.35811
600032.59 (00120524)	4134661.31	18.47157	(00120524)	600024.90	4134652.91	17.99095
600022.17 (00120524)	4134643.13	17.54668	(00120524)	600024.42	4134631.97	17.18614
600026.66 (00120524)	4134620.80	16.73583	(00120524)	600028.91	4134609.64	16.12527
600031.15 (99012324)	4134598.47	15.38135	(00120524)	600042.38	4134542.64	12.84421
600044.63 (99012324)	4134531.48	12.36353	(99012324)	600046.88	4134520.31	11.89001
600058.10 (99123024)	4134464.49	12.70953m	(00123124)	600164.89	4134801.84	26.42594
600175.56 (99123024)	4134805.84	27.12277	(99123024)	600146.57	4134820.31	25.56417
600139.03 (00010324)	4134812.08	24.72351	(99123024)	600071.17	4134738.03	19.72858
600063.63	4134729.81	20.17909	(00010324)	600056.09	4134721.58	20.42361

(00010324)							
600048.54	4134713.35	20.46461	(00010324)	600041.00	4134705.12	20.30003	
(00010324)							
600033.46	4134696.90	19.92912	(00010324)	600025.92	4134688.67	19.36391	
(00010324)							
600018.38	4134680.44	18.60978	(00010324)	600010.84	4134672.21	18.15431	
(00120524)							
600003.30	4134663.99	17.71746	(00120524)	599996.86	4134650.29	16.96619	
(00120524)							
599999.06	4134639.35	16.56495	(00120524)	600001.26	4134628.41	16.12411	
(00120524)							
600010.07	4134584.64	13.43615	(99012324)	600012.27	4134573.70	13.13464	
(99012324)							
600014.47	4134562.76	12.78903	(99012324)	600016.67	4134551.82	12.40138	
(99012324)							
600018.87	4134540.88	11.97448	(99012324)	600021.07	4134529.94	11.51432	
(99012324)							
600023.27	4134518.99	11.07336	(99012324)	600025.47	4134508.05	10.62903	
(99012324)							
600027.67	4134497.11	10.17139	(99012324)	600038.68	4134442.41	14.51447m	
(00123124)							
600155.67	4134826.42	26.26072	(99123024)	600166.34	4134830.42	26.82567	
(99123024)							
600137.33	4134844.86	25.21484	(99123024)	600129.75	4134836.59	24.52809	
(99123024)							
600053.90	4134753.83	18.91528	(00010324)	600046.32	4134745.56	19.37236	
(00010324)							
600038.73	4134737.28	19.65931	(00010324)	600031.15	4134729.01	19.77993	
(00010324)							
600023.57	4134720.73	19.68927	(00010324)	600015.98	4134712.46	19.40509	
(00010324)							
600008.40	4134704.18	18.94034	(00010324)	600000.81	4134695.90	18.30322	
(00010324)							
599993.23	4134687.63	17.98315	(00120524)	599985.64	4134679.35	17.65441	
(00120524)							
599978.06	4134671.08	17.21947	(00120524)	599980.44	4134613.28	14.40561	
(00120524)							
599982.65	4134602.28	13.70509	(00120524)	599984.86	4134591.27	12.95139	
(00120524)							
599987.08	4134580.27	12.58126	(99012324)	599989.29	4134569.26	12.24602	
(99012324)							
599991.50	4134558.26	11.87714	(99012324)	599993.72	4134547.25	11.47970	
(99012324)							

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): CON_ZONE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

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

599995.93	4134536.25	11.05124	(99012324)	599998.14	4134525.24	10.60514
(99012324)						

600018.07 (99123024)	4134426.20	15.43366m (00123124)	600146.46	4134851.00	25.76400
600157.12 (99123024)	4134855.00	26.26039 (99123024)	600128.10	4134869.42	24.74759
600120.48 (99123024)	4134861.11	24.29185 (99123024)	600112.85	4134852.79	23.60402
600036.64 (00010324)	4134769.63	18.11575 (00010324)	600029.02	4134761.32	18.61070
600021.40 (00010324)	4134753.00	18.93444 (00010324)	600013.78	4134744.69	19.08889
600006.16 (00010324)	4134736.37	19.06225 (00010324)	599998.54	4134728.06	18.87618
599990.91 (00010324)	4134719.74	18.49652 (00010324)	599983.29	4134711.42	17.95812
599975.67 (00120524)	4134703.11	17.65665 (00120524)	599968.05	4134694.79	17.44712
599960.43 (00120524)	4134686.48	17.13197 (00120524)	599950.75	4134642.20	15.15055
599952.97 (00120524)	4134631.14	14.54620 (00120524)	599955.20	4134620.08	13.87682
599957.42 (00120524)	4134609.03	13.24757 (00120524)	599959.64	4134597.97	12.60804
599961.87 (99012324)	4134586.91	12.13508 (99012324)	599964.09	4134575.85	11.79389
599966.32 (99012324)	4134564.79	11.41562 (99012324)	599968.54	4134553.73	11.01261
599970.77 (99012324)	4134542.68	10.61380 (99012324)	599972.99	4134531.62	10.18736
599975.21 (00123124)	4134520.56	9.77319 (99012324)	599997.46	4134409.98	16.04834m
600137.24 (99123024)	4134875.58	25.13005 (99123024)	600147.91	4134879.58	25.46696
600234.60 (99012324)	4134518.59	21.74003 (99012324)	600240.83	4134506.74	21.20567
600368.01 (98122824)	4134352.14	28.02698 (98122824)	600360.52	4134362.73	27.97898
600246.44 (99012324)	4134527.32	23.94455 (00010324)	600253.92	4134517.34	23.64917
600364.27 (98122824)	4134369.59	28.88951 (98122824)	600373.62	4134358.99	29.25239
600612.70 (98010824)	4134331.32	54.10566m (98010824)	600644.75	4134278.94	42.88554m
600664.13 (98010824)	4134289.94	42.60852m (98010824)	600632.79	4134344.48	53.72837m
600622.27 (98010824)	4134338.26	54.19420m (98010824)	600627.53	4134305.73	48.56431m
600647.14 (98010824)	4134318.88	48.45496m (98010824)	600619.87	4134318.88	51.54356m
600640.45 (98010824)	4134331.08	50.93157m (98010824)	600629.20	4134325.58	51.59301m
600636.62 (98010824)	4134312.42	48.79089m (98010824)	600636.14	4134292.33	45.52457m
600646.90 (98010824)	4134298.07	45.38764m (98010824)	600656.23	4134303.81	45.18582m
600654.56 (98010824)	4134283.24	42.58928m (98010824)	600589.73	4134278.46	45.82191m

*** AERMOD - VERSION 14134 *** *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** ***

10:16:09

*** THE SUMMARY OF MAXIMUM PERIOD (26304 HRS) RESULTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	14.88054 AT (600612.70, 4134331.32,	26.52, 26.52, 0.00)	DC
	2ND HIGHEST VALUE IS	14.85533 AT (600622.27, 4134338.26,	26.52, 26.52, 0.00)	DC
	3RD HIGHEST VALUE IS	14.68111 AT (600632.79, 4134344.48,	26.52, 26.52, 0.00)	DC
	4TH HIGHEST VALUE IS	13.85615 AT (600619.87, 4134318.88,	26.52, 26.52, 0.00)	DC
	5TH HIGHEST VALUE IS	13.84827 AT (600629.20, 4134325.58,	26.52, 26.52, 0.00)	DC
	6TH HIGHEST VALUE IS	13.58737 AT (600640.45, 4134331.08,	26.52, 26.52, 0.00)	DC
	7TH HIGHEST VALUE IS	12.54062 AT (600636.62, 4134312.42,	26.56, 26.56, 0.00)	DC
	8TH HIGHEST VALUE IS	12.48170 AT (600627.53, 4134305.73,	26.63, 26.63, 0.00)	DC
	9TH HIGHEST VALUE IS	12.41388 AT (600647.14, 4134318.88,	26.52, 26.52, 0.00)	DC
	10TH HIGHEST VALUE IS	11.62567 AT (600589.73, 4134278.46,	26.55, 26.55, 0.00)	DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
 *** 01/05/16
 *** AERMET - VERSION 15181 *** **
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**MODELOPTs: RegDEFAULT CONC ELEV

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

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF NETWORK
ALL HIGH	1ST HIGH VALUE IS	702.77205 ON 99123009:	AT (600267.45, 4134717.00,	27.20, 27.20, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

*** AERMOD - VERSION 14134 *** ** BART- ALUM ROCK STATION
 *** 01/05/16
 *** AERMET - VERSION 15181 *** **
 10:16:09

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**MODELOPTs: RegDEFAULT CONC ELEV

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

DATE NETWORK

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

ALL HIGH 1ST HIGH VALUE IS 100.23021 ON 98121716: AT (600612.70, 4134331.32, 26.52, 26.52, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART GP = GRIDPOLR DC = DISCCART DP = DISCPOLR

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** 10:16:09 ***

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF Q/CHI IN MICROGRAMS/M**3 **

DATE NETWORK

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

ALL HIGH 1ST HIGH VALUE IS 54.19420m ON 98010824: AT (600622.27, 4134338.26, 26.52, 26.52, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART GP = GRIDPOLR DC = DISCCART DP = DISCPOLR

*** AERMOD - VERSION 14134 *** BART- ALUM ROCK STATION

*** 01/05/16

*** AERMET - VERSION 15181 *** 10:16:09 ***

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**MODELOPTs: RegDFAULT CONC ELEV

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

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 823 Informational Message(s)

A Total of 26304 Hours Were Processed
A Total of 13 Calm Hours Identified
A Total of 810 Missing Hours Identified (3.08 Percent)

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

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

*** AERMOD Finishes Successfully ***

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 823 Informational Message(s)

A Total of 26304 Hours Were Processed

A Total of 13 Calm Hours Identified

A Total of 810 Missing Hours Identified (3.08 Percent)

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

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

*** AERMOD Finishes Successfully ***

Appendix B
Traffic Data

Taffic Data

Regional VMT (miles per day)

		VMT Santa Clara County					
Speed	Vehicle Category	2015	2015	2025	2025	2035	2035
		2015	2015 SVX	2025 SBX	2025 SVX	2035 SBX	2035 SVX
5	LD	26,476	27,440	32,380	33,041	45824	47,214
10	LD	308,252	308,871	351,388	351,420	430520	430,677
15	LD	1,555,597	1,553,650	1,743,502	1,739,326	2164898	2,157,319
20	LD	3,805,435	3,802,913	4,540,448	4,533,158	6144911	6,134,474
25	LD	5,728,667	5,722,328	8,307,867	8,292,810	10873894	10,851,895
30	LD	8,026,861	8,012,076	9,362,302	9,342,828	9579904	9,567,137
35	LD	7,463,184	7,438,133	7,905,448	7,890,106	7332012	7,309,159
40	LD	6,897,069	6,873,933	6,583,871	6,572,677	5609807	5,600,171
45	LD	6,188,534	6,172,560	4,807,813	4,803,431	4957280	4,950,886
50	LD	5,592,956	5,574,316	5,261,561	5,252,688	5671884	5,664,301
55	LD	2,556,235	2,555,937	2,596,447	2,596,860	2859937	2,868,321
60	LD	1,239,410	1,241,817	752,997	754,294	920248	924,381
65	LD	83,296	83,416	15,232	15,256	18852	18,915
5	MD	480	480	591	591	748	748
10	MD	3,501	3,501	4,038	4,038	4877	4,877
15	MD	16,699	16,699	19,292	19,293	29551	29,555
20	MD	42,154	42,154	54,141	54,149	120178	120,766
25	MD	83,712	83,771	131,587	131,794	245047	246,490
30	MD	142,701	142,937	200,813	201,265	288438	289,221
35	MD	193,143	193,615	266,952	267,607	303765	304,789
40	MD	229,005	229,694	276,526	277,149	148520	148,786
45	MD	221,581	222,288	158,663	159,200	163755	164,046
50	MD	223,187	223,835	205,302	205,860	241582	242,216
55	MD	83,855	84,120	111,752	112,049	163799	165,216
60	MD	71,521	71,771	89,534	89,854	127597	129,060
65	MD	2,283	2,286	2,227	2,227	2460	2,460
5	HD	16	16	22	22	27	27
10	HD	131	131	164	164	212	212
15	HD	780	780	1,015	1,015	1909	1,909
20	HD	2,712	2,712	4,190	4,191	12947	12,999
25	HD	12,379	12,391	37,703	37,833	89110	89,490
30	HD	57,321	57,583	88,511	88,858	141116	141,514
35	HD	94,897	95,217	144,049	144,461	216659	217,182
40	HD	132,454	132,968	194,012	194,543	204385	204,779
45	HD	260,949	261,684	206,251	206,768	86249	86,495
50	HD	228,656	229,467	190,182	190,854	204255	204,885
55	HD	99,082	99,402	98,518	98,808	109211	109,563
60	HD	207,123	207,633	224,843	225,329	251402	251,974
65	HD	10,889	10,902	9,245	9,248	9639	9,642

