SAN JACINTO VALLEY
RAW WATER CONVEYANCE FACILITIES PROJECT
Draft Initial Study/Mitigated Declaration

Prepared for
Eastern Municipal Water District

April 2019

ESA

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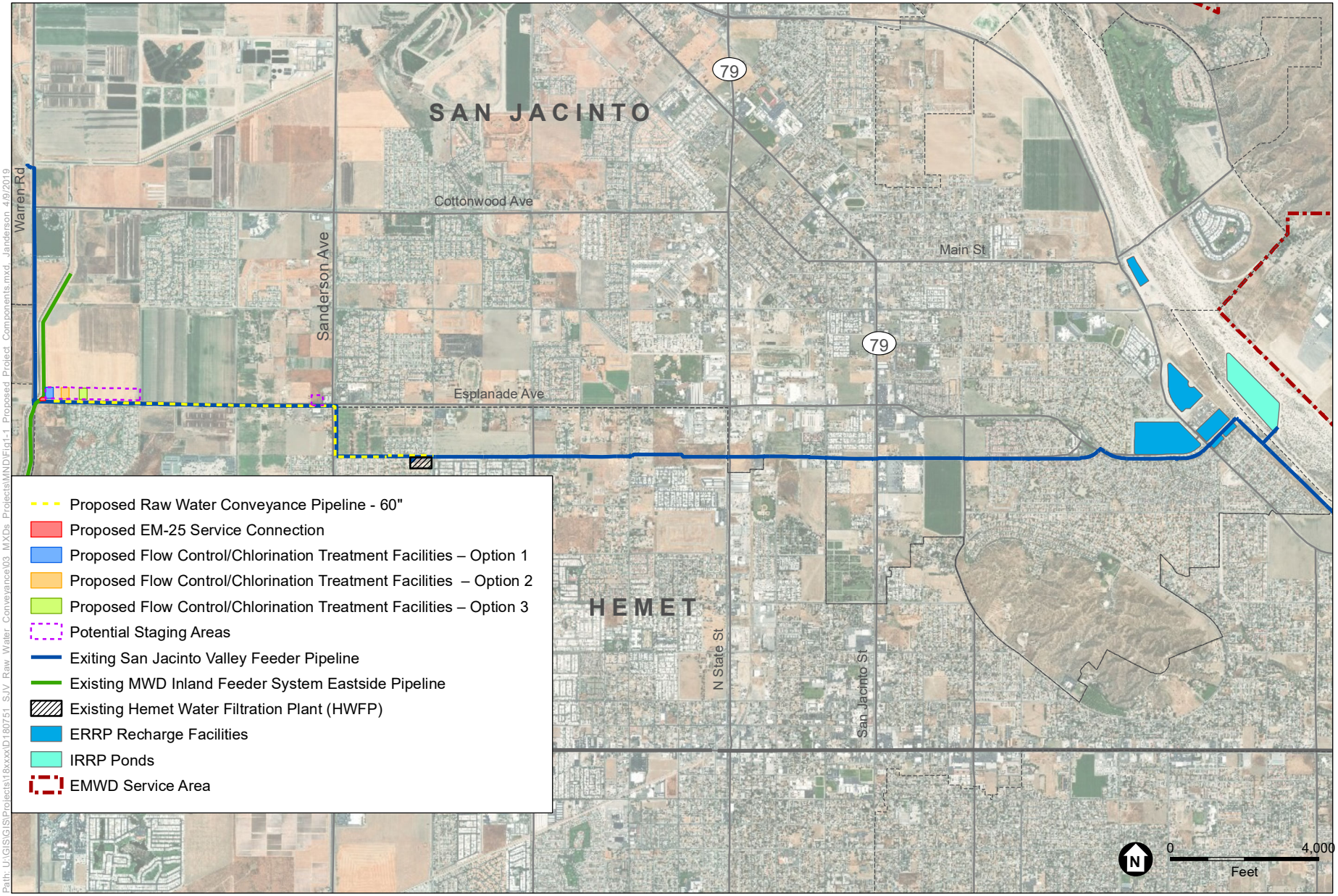
SECTION 1
Project Description

1.1 Overview and Background

Eastern Municipal Water District (EMWD) is implementing the San Jacinto Valley Water Banking – Enhanced Recharge and Recovery Program (ERRP), which will enhance current and future water supplies by recharging raw (unfiltered) water imported from the State Water Project (SWP) into the local groundwater aquifer. EMWD certified a Program Environmental Impact Report (PEIR) in June 2018 that evaluated the entire ERRP on a programmatic level according to the California Environmental Quality Act (CEQA) Guidelines Section 15168. The ERRP would develop a groundwater bank with total storage capacity of up to 90,000 acre feet (AF) in the San Jacinto Groundwater Basin, specifically within the Upper Pressure Sub-Basin. The maximum recharge capacity for the ERRP is expected to be up to 70,000 acre-feet per year (AFY); and the maximum extraction capacity of the ERRP would be approximately 30,000 AFY. The ERRP would construct and operate the following types of groundwater banking facilities: four recharge basins along Mountain Avenue in the City of San Jacinto, up to 11 extraction wells, 23 monitoring wells, treatment/blending and chlorination facilities to treat extracted groundwater if necessary, and associated pipelines to convey raw and treated water.

EMWD is proposing the San Jacinto Valley Raw Water Conveyance Facilities Project (Proposed Project) as the next element of the ERRP to be implemented. The Proposed Project involves construction of additional conveyance facilities to provide increased capacity for delivery of imported raw water to the Mountain Avenue recharge basin sites that are part of the ERRP, and to EMWD's existing Integrated Recharge and Recovery Program (IRRP) ponds, which are located within and adjacent to the San Jacinto River (see **Figure 1-1**). The existing IRRP ponds have a recharge capacity of approximately 30,000 AFY. The Mountain Avenue West recharge basin, one of the recharge basins that is part of the ERRP, would have recharge capacity of approximately 7,000 to 30,000 AFY. Phase 1 of the Proposed Project would deliver an initial 42 cubic feet per second (cfs) of raw water to the ERRP recharge basins and IRRP ponds. Raw water would percolate into the underlying aquifer where it would be stored as groundwater. The stored groundwater could then be pumped out of the aquifer using existing or future ERRP extraction wells, and if necessary treated before delivery within the potable water system.

The facilities evaluated in this Initial Study / Mitigated Negative Declaration (IS/MND) tier off the PEIR as explained in CEQA Guidelines Section 15152. Subsequent elements of the ERRP, including Phase 2 of the Proposed Project, which involves delivery of up to 100 cfs to the ERRP recharge basins and IRRP ponds, will continue to be analyzed in future CEQA documentation.



SOURCE: ESRI; Eastern Municipal Water District

San Jacinto Valley Raw Water Conveyance

Figure 1-1

Proposed Project Components

ESA

1.2 Project Location

The Proposed Project originates near the intersection of Warren Road and Esplanade Avenue in the City of San Jacinto, and would extend east along and north of Esplanade Avenue and then south into the City of Hemet along Sanderson Avenue and then east in Commonwealth Avenue, where it would connect to existing EMWD facilities (see Figure 1-1).

1.3 Project Objectives

As an element of the ERRP, the overarching objectives of the ERRP also apply to the Proposed Project:

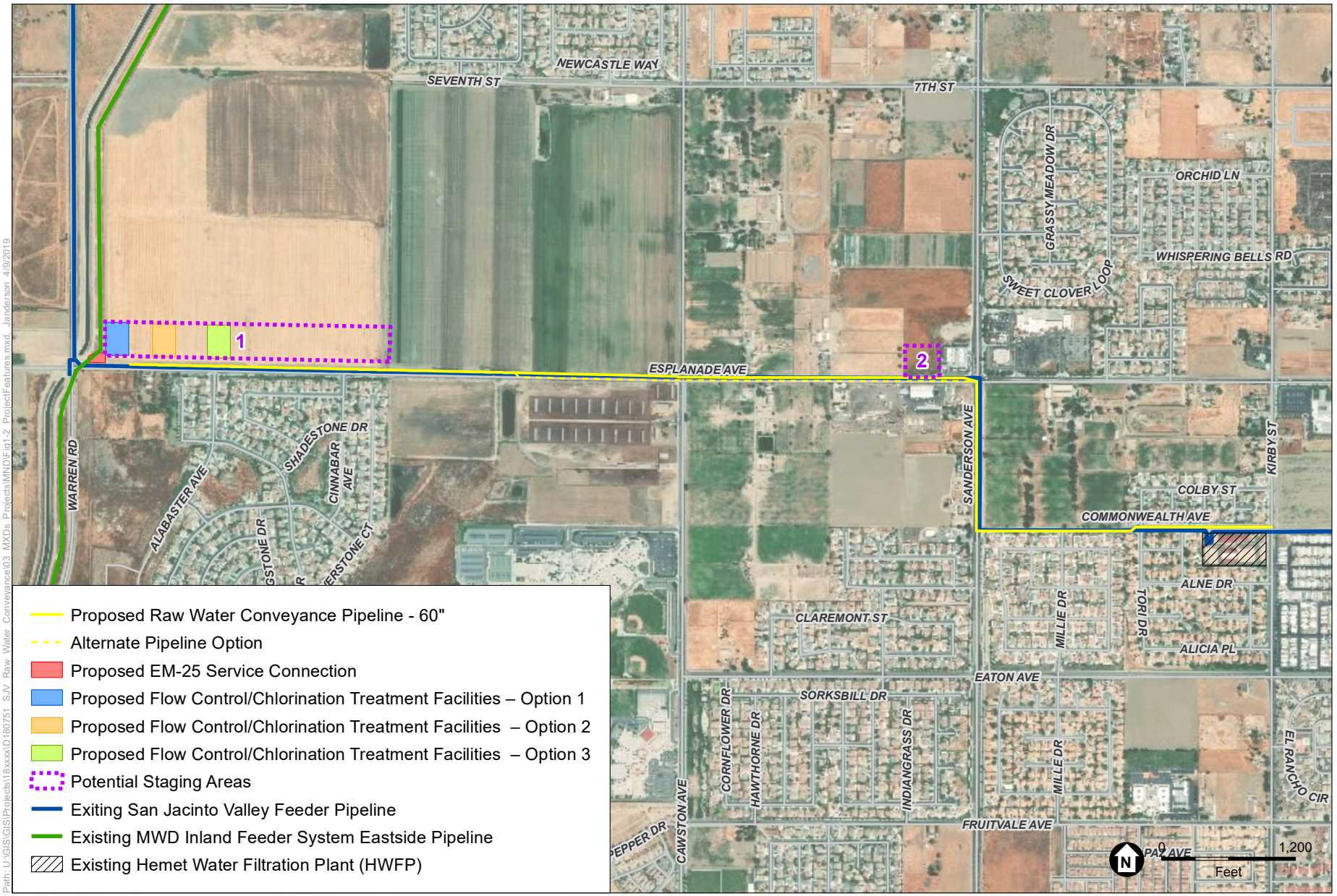
- Increase water supply reliability during droughts and emergencies.
- Overcome water shortages of up to 15 percent for up to three consecutive drought years during a regional water allocation cutback.
- Increase the amount of groundwater that can be pumped seasonally through recharge and storage of imported water.

Additional objectives specific to the Proposed Project include:

- Provide additional raw water conveyance facilities for operation of the ERRP recharge basins and IRRP ponds.
- Deliver up to 42 cfs to the ERRP recharge basins and IRRP ponds.
- Allow a portion of EMWD's existing 39-inch San Jacinto Valley Feeder Pipeline (SJVFP) to be utilized for additional raw water supply conveyance to the Hemet Water Filtration Plant (HWFP). This portion begins at the EM-14 connection at Metropolitan Water District's (MWD) Lakeview Pipeline and ends at the HWFP.

1.4 Project Description

The Proposed Project consists of a connection to MWD's existing Inland Feeder System Eastside Pipeline (referred to as the EM-25 service connection), a flow control facility, chlorination treatment facility, and a 60-inch diameter transmission pipeline to convey raw water from the EM-25 connection point near the intersection of Warren Road and Esplanade Avenue to EMWD's existing SJVFP near the intersection of Kirby Street and Commonwealth Avenue in the City of Hemet. The Proposed Project would also involve minor modifications at the existing Commonwealth Booster Pump Station (CWBS) at the HWFP site, including suction piping modifications. Proposed Project facilities are shown on **Figure 1-2**.



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SOURCE: Mapbox

San Jacinto Valley Raw Water Conveyance

Figure 1-2
Project Features

ESA

The Proposed Project would provide additional raw water conveyance to the ERRP recharge basins and IRRP ponds. The Proposed Project facilities will be sized in order to accommodate future elements of the ERRP. Construction of the Proposed Project facilities would occur within public rights-of-way, or within property or easements currently owned by EMWD, or acquired by EMWD. Two temporary staging areas have been identified on Figure 1-2 to be used during construction activities. As such, with implementation of the Proposed Project, the portion of the SJVFP that connects EM-14 to the HWFP could be utilized for dedicated raw water supply conveyance to the HWFP.

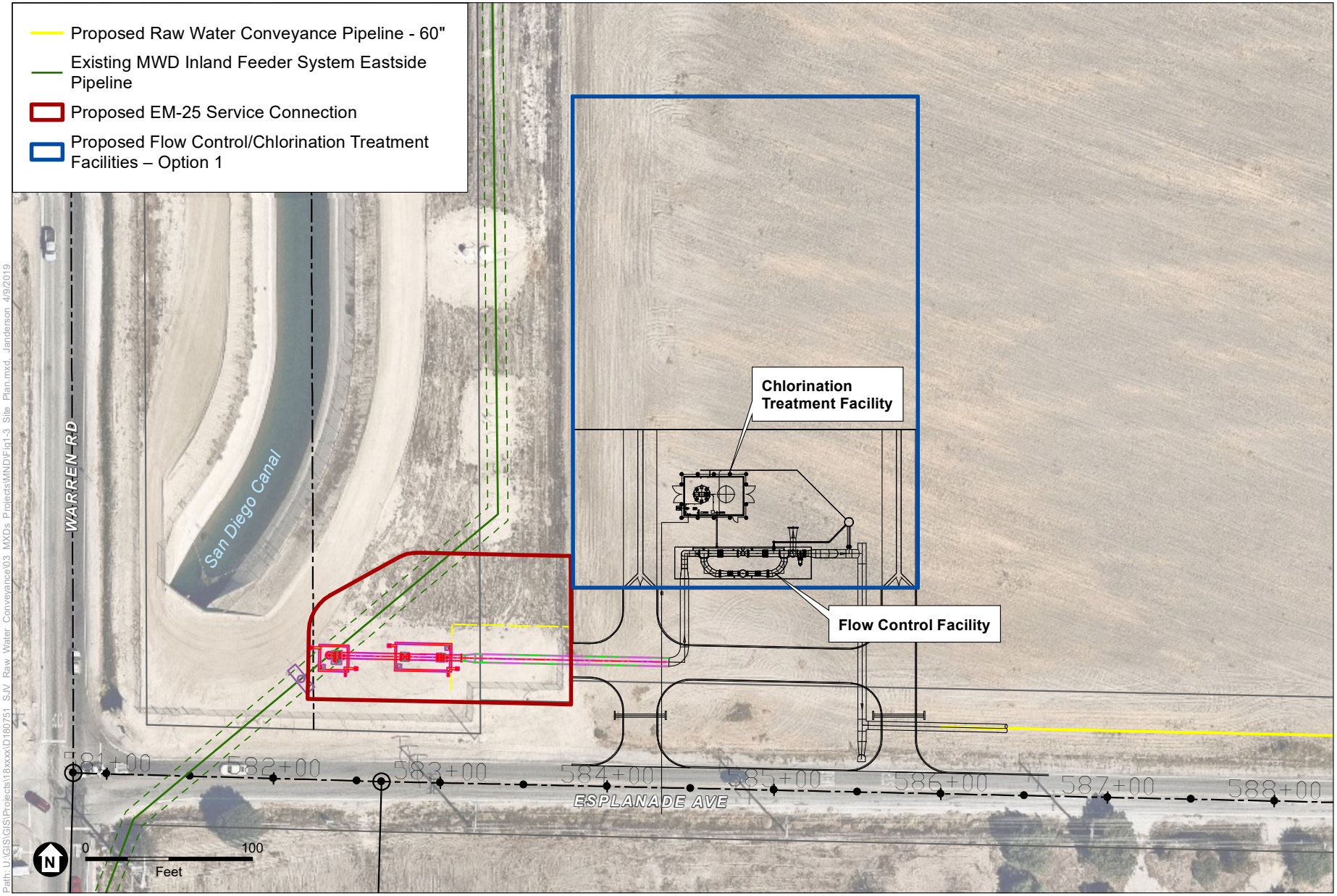
1.4.1 EM-25 Service Connection

The EM-25 service connection would be located within MWD-owned property along Esplanade Avenue near the intersection of Warren Road in the City of San Jacinto. The service connection facilities would be located primarily in sub-surface vault structures. The connection would consist of a turnout to allow transmission of raw water from MWD's 145.5-inch diameter Inland Feeder System Eastside Pipeline to the proposed raw water conveyance pipeline. The turnout would consist of underground lighting, values, a flow meter, and a sump pump wetwell. The turnout would be designed to MWD's standards, constructed by EMWD, and would be owned and operated by MWD. The Proposed Project connection to the SJVFP would be located within Commonwealth Avenue downstream of the intake to the HWFP. A new meter would be required to provide low flow connection to ensure hydraulic reliability of the proposed pipeline. The meter, as well as lighting and valves, would be installed at the California Department of Water Resources (DWR)'s Devil Canyon facility north of the City of San Bernardino and would include mechanical modifications and not involve any ground-disturbing activities.

1.4.2 Flow Control Facility

The flow control facility would be located on a new parcel, approximately three acres in size, along Esplanade Avenue near the EM-25 service connection, as depicted on Figure 1-2. The Proposed Project's facilities would occupy 1.4 acre of the site, while the remainder of the parcel would be reserved for future facilities to support the raw water pipeline. Option 1 is the preferred location due to its proximity to the EM-25 service connection, although Options 2 and 3 are possible locations and therefore evaluated in this IS/MND. The flow control facility would regulate raw water flows from the EM-25 service connection through the proposed pipeline and ultimately to the ERRP recharge basins and IRRP ponds. The flow control facility would consist of a reinforced concrete slab with above-grade flow control valves, an analyzer, piping, and lighting.

The area around the flow control facility would be graded, paved, and surrounded by an 8-foot chain link fence or concrete block perimeter wall. The flow control facility would be designed, constructed, owned and operated by EMWD. The flow control facility is shown on **Figure 1-3**.



SOURCE: Mapbox

San Jacinto Valley Raw Water Conveyance

Figure 1-3

Site Design and Layout

ESA

1.4.3 Chlorination Treatment Facility

The chlorination treatment facility would be located adjacent to the flow control facility. Chlorine would be utilized to control algae growth in the raw water conveyance facilities and in the downstream groundwater recharge facilities by injecting a 12.5 percent sodium hypochlorite solution. The chlorination treatment facility would consist of one 5,000-gallon bulk sodium hypochlorite storage tank and chemical injection pumps set on a concrete slab with a perimeter containment curb, a 12-foot high steel shade structure and chain-link fenced enclosure. The injection pumps would be enclosed within a structure that is designed to reduce noise. The chlorination treatment facility would be designed, constructed, owned, and operated by EMWD. The chlorination treatment facility is shown on Figure 1-3.

1.4.4 Raw Water Conveyance Pipeline

The proposed raw water conveyance pipeline is sized at 60 inches in diameter with an estimated length of approximately 2.5 miles. The proposed raw water conveyance pipeline would be constructed within public rights-of-way, or within property or easements currently owned by EMWD, or acquired by EMWD. The alignment would be installed within the roadway right-of-way of Esplanade Avenue. Depending on the timing of the widening of that roadway by the City of San Jacinto, EMWD would construct the alignment within the current roadway right-of-way or future roadway right-of-way located immediately north of the current alignment (or a combination of both current and future, depending on the timing of both construction projects). Both alignments are shown on Figure 1-2. The analysis in this MND assumes the alignment would be constructed in the future roadway right-of-way, which represents the worst-case analysis since the future widened alignment currently goes through undeveloped land. As such, the alignment would begin just north of the intersection of Esplanade Avenue and Warren Road starting at the proposed EM-25 service connection. The alignment would be located just north of the roadway alignment until the intersection with Sanderson Avenue, where the alignment would enter the Esplanade Avenue roadway right-of-way, travel south on Sanderson Avenue to Commonwealth Avenue, and east along Commonwealth Avenue to near the HWFP site at Kirby Street. Pipeline appurtenances (isolation valves, air vacuum/air release assemblies, blow-off assemblies, cathodic protection assemblies, manways and access manholes, and other appurtenances as required) would be installed above and below-grade along the pipeline route. The raw water conveyance pipeline would be designed, constructed, owned, and operated by EMWD.

Raw water conveyance through the 60-inch diameter pipeline would range between 10 and 42 cfs, although the pipeline size would accommodate 100 cfs to serve future elements of the ERRP. The water would either be 1) gravity fed when supported by hydraulic gradient conditions at the EM-25 service connection, or 2) pumped through the existing CWBS at the HWFP site when the hydraulic gradient is not sufficient for gravity flow. The CWBS is located in the northwest corner of the HWFP site. The proposed raw water pipeline would be connected to the existing CWBS by a new 33-inch-diameter aboveground suction header.

In certain infrequent cases, water within the pipeline would be drained near the EM-25 connection when water is unavailable for recharge at the ERRP recharge basins and IRRP ponds,

or prior to a pipeline repair or maintenance activity. Drain water discharges could occur at any time of year. The pipeline would be designed to drain the entire Proposed Project reach in a controlled manner, with a total water volume of approximately 2 million gallons. Water would be drained from the pipeline to a sump pump wetwell installed adjacent to the flow control facility, and pumped via a mobile pump depending on location to one of the following receiving facilities:

- The San Diego Canal. Raw water would be discharged into the San Diego Canal, which is adjacent to the EM-25 service connection, flow control and chlorination treatment facilities. A pipeline from the sump pump to the canal would be constructed underground with an outlet through the side of the concrete lined channel. The outlet would be constructed above the normal operating water surface of the San Diego Canal. A flap gate would be provided to prevent debris or other items from collecting within the discharge pipe. The volume associated with the infrequent drained water would be far below capacity within the San Diego Canal.
- City of San Jacinto Storm Drain facilities. Raw water would be discharged into the local drainage ditches adjacent to the Project site, or into new storm drain facilities once the Esplanade Avenue roadway alignment is widened. The volume associated with the infrequent drained water would be coordinated with the City of San Jacinto and Riverside County Flood Control, as necessary, to ensure any discharge is able to be accommodated by existing capacity.
- EMWD sewer system. Raw water would be discharged into the EMWD sewer system, with capacity far exceeding any infrequent discharge associated with the Project. A sewer manhole is located approximately 600 feet east of the EM-25 service connection within Esplanade Avenue.

1.5 Construction of the Proposed Project

1.5.1 Construction Schedule

Construction of the Proposed Project is anticipated to occur from Spring 2020 through Winter 2022 (approximately 17 months of active construction with several additional months of mobilization, administration, and construction closeout). Construction of the EM-25 service connection, flow control facility, and chlorination treatment facility is anticipated to take 12.5 months. Construction of the raw water transmission pipeline would be built sequentially in sections of approximately 50 feet per day over nearly 9 months. Construction of the connection to the existing CWBS at the HWFP would occur simultaneously (overlap) with the conveyance pipeline.

Construction would occur between the hours of 7:00 A.M. to 4:00 P.M. Monday through Friday. No construction activities would occur on Saturday or Sunday or on holidays. Nighttime work may be required for installation of the pipeline at the intersection of Esplanade Avenue and Sanderson Avenue, which is anticipated to occur for eight (8) hours each night for three days. This nighttime work would alleviate traffic impacts within the intersection of Sanderson Avenue and Esplanade Avenue.

1.5.2 EM-25 Service Connection, Flow Control / Chlorination Treatment Facilities

Construction of the EM-25 service connection, flow control facility, and chlorination facilities would require a footprint of approximately 1.4 acre for construction (and subsequent operation). Construction would require use of work trucks, graders, earthmovers, backhoes, excavators, one full time water truck, vibratory compactors, and welding materials along with supporting equipment. Construction would entail site clearing/preparation, grading and excavation, facility installation, testing, and start up. Equipment may be temporarily staged onsite or at the two identified staging areas shown on Figure 1-2.

1.5.3 Raw Water Conveyance Pipeline

Construction of the proposed raw water conveyance pipeline would involve trenching using a conventional cut and cover technique. Localized trench and pipeline dewatering may be required depending on location. Water collected from dewatering would be reused for dust control purposes during construction, as needed. Any excess water not able to be used for dust control may require issuance of a dewatering permit from the Santa Ana Regional Water Quality Control Board (RWQCB) for discharges to the stormwater system. Pipelines would be installed primarily within existing roadway rights-of-way and on property or easements owned by EMWD or acquired by EMWD. The trenching technique would include saw cutting of the pavement where applicable, trench excavation, shoring, pipe installation, trench backfill and compaction, site restoration/pavement replacement, as applicable, and testing. One full time water truck is anticipated for the duration of construction.

Trench width, depth, depth of cover and progress per day estimates are included in **Table 1-1**. The construction corridor would be wide enough to accommodate the trench and to allow for staging areas and vehicle access. Potential offsite construction staging areas are identified on Figure 1-2 for pipe lay-down, soil stockpiling, and equipment storage. As shown on Figure 1-2, the onsite construction area (Options 1-3) would also be used for equipment staging.

TABLE 1-1
TYPICAL PIPELINE CONSTRUCTION REQUIREMENTS AND PROGRESS RATES

Pipeline Size	Depth of Cover Over Pipeline (Feet)	Typical Depth of Excavation[1] (Feet)	Typical Width of Construction Area[2] (Feet)	Typical Rate of Progress[3] (Feet per Day)
60-inch	5 to 12	11 to 18	20 to 30	50

[1] The trench would be excavated approximately 0.5-feet below the bottom (invert) of the pipeline for bedding installation. Depths are typical for industry. The actual depth will vary as it highly depends on above ground features, soil conditions, design complexity, appurtenances, number of utilities, and location of utilities.
[2] The width noted above is typical and the minimum amount of width necessary based on ideal conditions for construction. The actual width will vary as it highly depends on available space in public rights-of-way, above ground features, property ownership location and type, terrain, alignment location, soil conditions, design complexity, required appurtenances, number of utilities, and location of utilities.
[3] The actual progress will vary as it highly depends on soil conditions, traffic conditions, design complexity, appurtenances, number of utilities, and location of utilities.

Trenches would be backfilled at the end of each work day or temporarily closed by covering with steel trench plates. The construction equipment needed for pipeline installations generally

includes: backhoes, excavators, dump trucks, pipe trailers, shoring equipment, steam roller, and plate compactor. Approximately 5 to 10 workers would be required during various phases of pipeline installation. Excavated soils would be reused as backfill and otherwise disposed of offsite at a local disposal facility. It is estimated that approximately 17,500 cubic yards of soil may need to be disposed of offsite from installation of the pipeline. Once constructed, pipeline segments would be contained entirely below ground surface, except for any above-grade pipeline appurtenances.

Work within roadways would primarily require localized closure of traffic lanes. In addition, several roadway section closures may be required for safety and may include portions of Esplanade Avenue from Cinnabar Avenue to Sanderson Avenue and Commonwealth Avenue from Sanderson Avenue to Tori Drive. Traffic control would be necessary during pipeline construction within roadways. Typically, two to four workers would be required for traffic control during pipeline installation. Equipment necessary for traffic control includes changeable message signs, delineators, arrow boards, and K-Rails. The traffic control plan for the Proposed Project would be coordinated with the City of San Jacinto and the City of Hemet.

Improvements at the HWFP to the CWBS would require a new 33-inch suction header to provide pumping capacities of up to 42 cfs. This pipeline segment would be constructed above-grade (on pipe supports) and be connected to existing above-grade pump suction piping. Construction would involve demolition of a portion of the existing pipeline segment, trenching, and installation of the new suction header.

1.6 Operation and Maintenance

The EM-25 service connection, flow control facility, and chlorination treatment facility would require weekly maintenance consisting of a maximum of two service truck trips per week (1/2 ton pickup). The pipeline would be installed underground and would not require regular maintenance. No new employees would be required to operate the facilities.

Operation of the proposed chlorination treatment facility would involve chemical deliveries and onsite chemical use and storage. An inventory of chemicals that would be stored and used at the facility is provided in **Table 1-2**. Chemicals would be stored in a double walled aboveground tank in a dedicated containment area with concrete curbs to confine accidental spills and prevent exposure to the environment. Anticipated delivery frequency for the chemical is anticipated to occur once per month.

TABLE 1-2
CHEMICAL INVENTORY – CHEMICAL STORAGE ROOM

Chemical	Purpose	Concentration	Storage (gallons)[a]	Delivery Frequency (truck trips)
Sodium Hypochlorite	Chlorine Chlorination	12.5%	5,000	1 per month

[a] Chemical storage volume is based on the flow rate for the Proposed Project and projected average chemical dose.

As described below in Section 1.7, operation of the Proposed Project would be gravity fed 95 percent of the time. For the remaining 5 percent of the time, four existing pumps would be required to operate simultaneously at the CWBS. These existing pumps are enclosed within an enclosed structure to minimize operational noise. Injection pumps would operate to chlorinate the raw water, and a mobile pump would be operated only when water would need to be pumped to the nearest receiving facility in the event of pipeline maintenance.

Operation of the EM-25 service connection would first involve EMWD communication with MWD to determine when water is available for delivery. If water is available, EMWD would make the water order request to MWD for delivery of water through the proposed raw water conveyance facilities. The operational strategy would be dependent on the ordered flow and supply hydraulic gradient, which will determine whether gravity flow or pumping at the CWBS is required. Based upon MWD's historical operations data, a gravity flow operational strategy is estimated to occur 95% of the time, while a pumping strategy is estimated to occur 5% of the time.

1.7 Energy Consumption

The Proposed Project would require operation of the EM-25 service connection, flow control facility, and chlorination treatment facility. The EM-25 service connection would involve lighting, motorized valve actuators, and an ultrasonic meter flow resulting in approximately 20,000 kilowatt hours per year (kWh/yr). The chlorination treatment facility and flow control facility would involve electricity to operate lighting, valve actuators, injection pumps, and an analyzer, resulting in approximately 20,000 kW-hr/yr. To operate these facilities, a low voltage (480-volt) Southern California Edison (SCE) electrical service line would be required. The facilities would be intermittently operated based on the availability of water through MWD and recharge basin capacity. Additionally, a meter will be installed at the DWR Devil Canyon facility, which would involve lighting, motorized valve actuators, and ultrasonic meter flow of 20,000 kW-hr.

Operation of the Project is anticipated to be gravity fed 95 percent of the time and would therefore require pumps for the remaining five percent. For the 438 hours per year that pumps would be required, four pumps would run simultaneously. These 300 horsepower pumps would consume approximately 295,000 kWh/yr. As a result, the annual energy needs for the Proposed Project is estimated to be 355,000 kWh/yr.

Operational activities would not require the consumption of natural gas. Additionally, weekly maintenance activities would require travel from the existing HWFP to the flow control and chlorination treatment facilities site. This round trip would be less than five miles per week of vehicle travels plus the fossil fuel consumption from the monthly deliveries for chemical stocking.

1.8 Proposed Project Approvals

Approvals from state and local agencies may include the following:

- State Water Resources Control Board – General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities
- DWR – Installation of Devil Canyon Portal Meter and Appurtenant Facilities
- Santa Ana RWQCB – Dewatering Permit during Construction
- South Coast Air Quality Management District (SCAQMD) – Permit to Construct, Permit to Operate, Dust Control Permits
- MWD – EM-25 Service Connection (Inland Feeder System Eastside Pipeline)
- City of San Jacinto – Encroachment Permits, Traffic Control, Road Closures
- City of Hemet – Encroachment Permits, Traffic Control, Road Closures

The following approvals could be needed depending on the discharge option chosen by EMWD as described in Section 1.1.4:

- Santa Ana RWQCB – National Pollutant Discharge Elimination System (NPDES) for discharge to storm drains during operation if the storm drain discharge option is chosen by EMWD
- Riverside County Flood Control and Water Conservation District and/or City of San Jacinto – Approval for stormwater drainage during operation if the storm drain discharge option is chosen by EMWD

1.9 References

HDR. 2018. San Jacinto Valley Raw Water Conveyance Facilities Final Preliminary Design Report. Prepared for Eastern Municipal Water District. July 6, 2018.

SECTION 2
Initial Study/Environmental Checklist

1. Project Title:	San Jacinto Valley Raw Water Conveyance Facilities Project
2. Lead Agency Name and Address:	Eastern Municipal Water District 2270 Trumble Road Perris, CA 92570
3. Contact Person and Phone Number:	Alfred Javier (951) 928-3777 ext. 6327
4. Project Location:	Alignment located north and along Esplanade Avenue east from Warren Road, South along Sanderson Avenue, East along Commonwealth Avenue to Kirby Street (City of San Jacinto and City of Hemet). EM-25 service connection and flow control / chlorination treatment facilities located northeast of the intersection of Warren Road and Esplanade Avenue.
5. Project Sponsor's Name and Address:	Same as Lead Agency
6. General Plan Designation(s):	Community Commercial (CC) and Medium Density Residential (MDR) Parks (P) Low Density Residential (LDR)
7. Zoning:	Esplanade Specific Plan (01-02) Residential, Low Density (RL) Commercial Zone (CG)

8. Description of Project: (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or offsite features necessary for its implementation. Attach additional sheets if necessary.)

The Proposed Project consists of a connection to MWD's Inland Feeder System Eastside Pipeline (referred to as the EM-25 service connection), a flow control facility, chlorination treatment facilities, and a 60-inch diameter raw water transmission pipeline to convey raw water from the EM-25 connection point to EMWD's existing SJVFP near the intersection of

Kirby Road and Commonwealth Avenue in the City of Hemet. The Proposed Project would provide additional raw water conveyance to the ERRP recharge basins and IRRP ponds.

9. Surrounding Land Uses and Setting. (Briefly describe the project's surroundings.)

The Proposed Project facilities would occur within public rights-of-way, or within property or easements currently owned by EMWD, or acquired by EMWD. Proposed Project facilities would occur adjacent to residential and commercial land uses in the City of Hemet and City of San Jacinto.

10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement.)

Approvals from state and local agencies may include the following:

- State Water Resources Control Board – General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities
- DWR – Installation of Devil Canyon Portal Meter and Appurtenant Facilities
- Santa Ana RWQCB – Dewatering Permit during Construction
- SCAQMD – Permit to Construct, Permit to Operate, Dust Control Permits
- MWD – EM-25 Service Connection (Inland Feeder System Eastside Pipeline)
- City of San Jacinto – Encroachment Permits, Traffic Control, Road Closures
- City of Hemet – Encroachment Permits, Traffic Control, Road Closures

The following approvals could be needed depending on the discharge option chosen by EMWD as described in Section 1.1.4:

- Santa Ana RWQCB – National Pollutant Discharge Elimination System (NPDES) for discharge to storm drains during operation if the storm drain discharge option is chosen by EMWD
- Riverside County Flood Control and Water Conservation District and/or City of San Jacinto – Approval for stormwater drainage during operation if the storm drain discharge option is chosen by EMWD

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

Pursuant to Public Resources Code Section 21080.3.1, EMWD as the CEQA Lead Agency sent Assembly Bill (AB 52) consultation notification letters via certified mail on August 22, 2018 to six Native American groups affiliated with the Project's geographic area. The letters included a description of the Proposed Project, a map depicting the Project location, and EMWD's contact information. Recipients were requested to respond in writing within 30 days of receipt of the letter if they wished to engage in government-to-government consultation per AB 52.

At the close of the 30-day period, EMWD received a response from the Soboba Band of Luiseño Indians. See Section 2.18, *Tribal Cultural Resources*, for more detailed information on the tribal consultation and determination of impacts for tribal cultural resources.

Environmental Analysis

The environmental analysis in the following sections is patterned after the CEQA Guidelines Appendix G, Environmental Checklist, which was revised by the California Office of Planning and Research on December 28, 2018, and used by EMWD in its environmental review process. The Environmental Checklist will identify and briefly explain the environmental effects of the Proposed Project. For any effects that are determined to be potentially significant, the Environmental Checklist will identify and evaluate feasible measures that may be incorporated into the Project to avoid or mitigate any adverse impacts.

Environmental Factors Potentially Affected

The environmental factors checked below include impacts that are "Less Than Significant with Mitigation Incorporated." There are no environmental factors that have an impact that is identified as a "Potentially Significant Impact" because all potential significant impacts can be reduced to less than significant with the incorporation of mitigation measures.

☒ Aesthetics	☐ Agriculture and Forestry Resources	☒ Air Quality
☒ Biological Resources	☒ Cultural Resources	☐ Energy
☒ Geology/Soils	☐ Greenhouse Gas Emissions	☒ Hazards & Hazardous Materials
☐ Hydrology/Water Quality	☐ Land Use/Planning	☐ Mineral Resources
☒ Noise	☐ Population/Housing	☐ Public Services
☐ Recreation	☒ Transportation	☐ Tribal Cultural Resources
☐ Utilities/Service Systems	☒ Wildfire	☒ Mandatory Findings of Significance

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial study:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature — 4/12/2019 Date

Al Javier, Director of Environmental and Regulatory Compliance — Printed Name

Eastern Municipal Water District — For

2.1 Aesthetics

Issues (and Supporting Information Sources):		*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
1.	**AESTHETICS — Except as provided in Public Resources Code Section 21099, would the project:**				
a)	Have a substantial adverse effect on a scenic vista?	☐	☐	☒	☐
b)	Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☒	☐
c)	In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☒	☐	☐
d)	Create a new source of substantial light or glare which would adversely affect daytime or nighttime views in the area?	☐	☒	☐	☐

Discussion

a) The primary scenic vista in the Proposed Project area includes the foothills of the San Jacinto Mountains, which are approximately 4.5 miles east of the Proposed Project's easternmost component. Construction of the Proposed Project would include the use of construction equipment that could temporarily alter views of the scenic mountain vista, such as an excavator that could reach up to 48 feet in height. This equipment could temporarily be visible from public vantage points near the Proposed Project site including sidewalks, roadways, or parks. However, once constructed, the equipment would be removed, and impacts to scenic vistas would be less than significant.

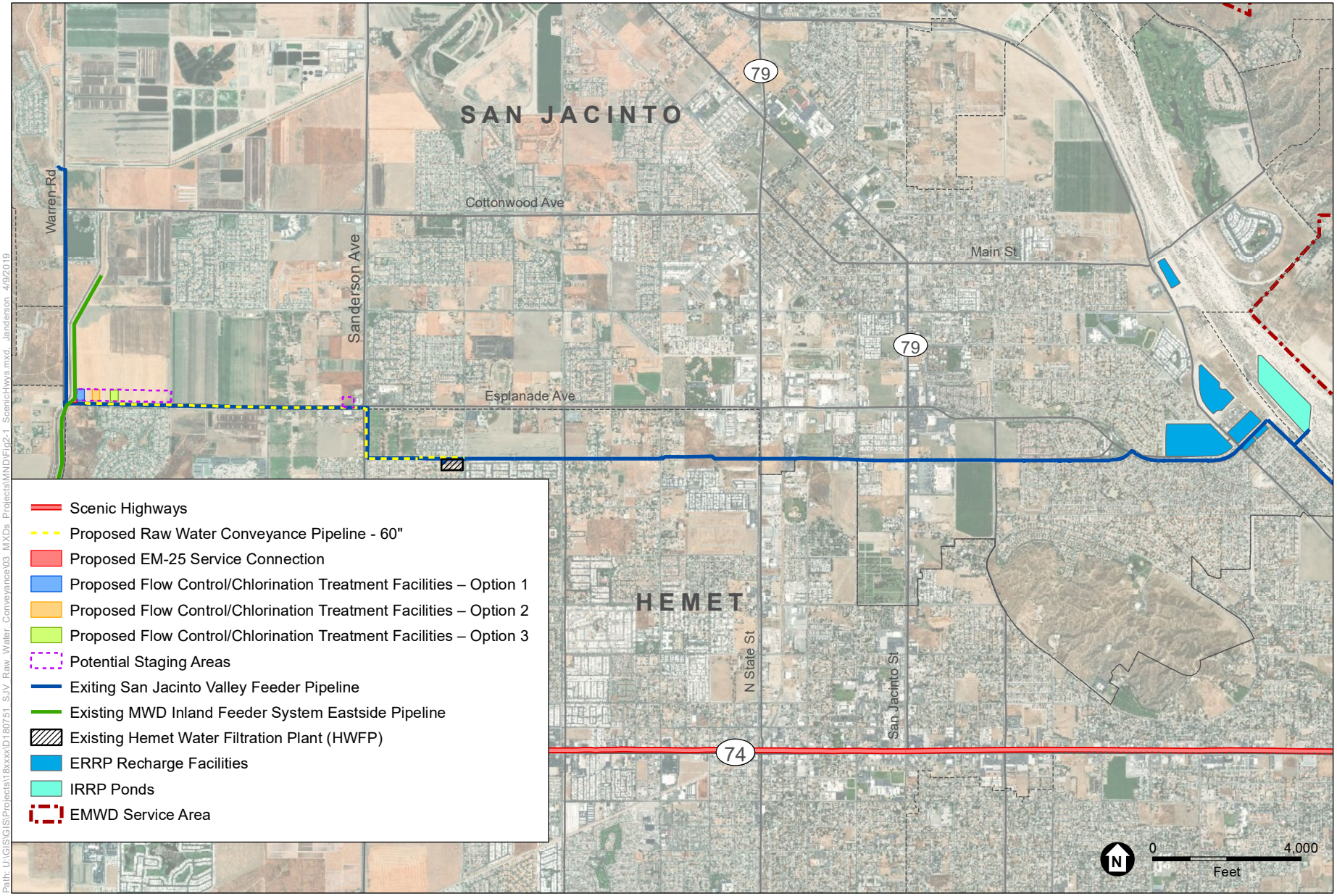
Once constructed, the raw water conveyance pipeline would be located entirely underground and would have no permanent effect on a scenic vista. Aboveground facilities associated with the Proposed Project include a flow control facility, chlorination treatment facility, and various appurtenant facilities associated with the raw water pipeline. These facilities would be installed at one of the three areas shown on Figure 1-2 near the intersection of Esplanade Avenue and Warren Road, and would be no taller than 12 feet in height and consistent with surrounding residential communities located south of Esplanade Avenue. Once operational, these facilities would be no taller than existing buildings on neighboring parcels and would not block scenic vistas of the San Jacinto Mountains to the east. Therefore, impacts during operation to scenic vistas would be less than significant.

b) As shown on **Figure 2-1**, the Proposed Project would be approximately 1.2 miles north of State Route 74, an officially designated scenic highway (Caltrans 2018). The 2.5 miles of raw water conveyance pipeline would run east from the intersection of Esplanade Avenue and Warren Road across San Jacinto and Hemet and would not intersect State Route 74 to the south at any point. Construction of the raw water pipeline, the flow control facility, the chlorination treatment facility and EM-25 service connection would be temporary and would not involve equipment that could impact the views along State Route 74 over one mile away. As a result, the Proposed Project would not substantially degrade scenic resources during construction, and impacts would be less than significant.

Once constructed, the facilities would either be underground or up to 12 feet in height and would therefore be consistent with the height of other structures on neighboring parcels and would not be visible from any state scenic highway. Additionally, the Proposed Project is not near any federal national scenic byways (FHA 2018). Because of the distance from State Route 74 and the low building height, impacts would be less than significant.

c) The Project site is located within a non-urbanized area in rural San Jacinto and Hemet. The raw water conveyance pipeline and the EM-25 service connection would be constructed underground within public rights-of-way and on property owned or acquired by EMWD. Construction activities would have a short-term visual impact on surrounding public views associated with construction equipment and temporary ground disturbance from trenching and pipeline installation. Once construction is complete, the area of disturbance would be restored to pre-construction conditions, and the pipeline would not be visible and would therefore not impact the visual quality of public views of the Project site and the surrounding area.

The aboveground flow control facility and chlorination treatment facility would be constructed to the northeast of the intersection of Warren Road and Esplanade Avenue at one of three locations shown on Figure 1-2. Similar construction-related impacts to visual character and quality would result from construction of these facilities as the raw water pipeline described above. One constructed, these facilities would be up to 12 feet in height and would be visible to motorists and pedestrians traveling along Warren Road and Esplanade Avenue. In order to ensure that these facilities would be designed to be consistent with the character of the surrounding area and residential communities, **Mitigation Measure AES-1** would be implemented to ensure that the design of structures is consistent with surrounding buildings. As such, impacts to the visual character and quality of public views of the Project site and the surrounding area would be less than significant with mitigation incorporated.



SOURCE: ESRI; Eastern Municipal Water District

San Jacinto Valley Raw Water Conveyance

Figure 2-1

Designated and Eligible Scenic Highways

ESA

Mitigation Measures

AES-1: Design of Aboveground Structures: EMWD shall ensure that the design of all aboveground structures (the flow control facility, chlorination treatment facility, and appurtenant facilities associated with the pipeline) shall be consistent with the general building style of the existing site and surroundings to ensure compatibility with visual character of the immediate neighborhood while accommodating necessary infrastructure.

d) The construction activities for the Proposed Project would occur between the hours of 7:00 A. M. to 4:00 P.M. Monday through Friday. No construction would occur on Saturday or Sunday or on holidays. The only exception to these durations would be the installation of the raw water conveyance pipeline at the intersection of Esplanade Avenue and Sanderson Avenue, which would require nighttime work for eight (8) hours for three days. Temporary nighttime lighting associated with construction of this pipeline segment would be required, as well as nighttime security lighting. Once constructed, nighttime permanent security lighting would also be required for the flow control facilities and chlorination treatment facility.

The Proposed Project falls within Zone B of the Mount Palomar Nighttime Lighting Policy Area. The Mount Palomar Observatory is located approximately 30 miles south of the Proposed Project area in San Diego County. The observatory requires unique nighttime lighting standards in order to allow the night sky to be viewed clearly. All areas within a 15- to 45-mile radius of the observatory must conform with the nighttime lighting regulations that apply to Zone B in the Riverside County General Plan. The Riverside County Ordinance No. 655 identifies lighting fixtures and uses that limit light leakage and spillage to minimize interference with the operations of the Mount Palomar Observatory. **Mitigation Measure AES-2** would ensure all nighttime construction lighting and operation-related lighting would be shielded and directed downward, away from neighboring properties and surrounding areas, in compliance with the Riverside County Ordinance No. 655. As result, impacts related to light and glare during construction and operation would be less than significant with mitigation incorporated.

Mitigation Measure

AES-2: Lighting. All nighttime construction lighting and temporary or permanent lighting installed on new facilities shall be attached to motion sensors and shielded and directed downward to avoid light spillage onto neighboring properties.

References

Caltrans, 2018. California Scenic Highway Mapping System: Riverside County, Available online at: http://www.dot.ca.gov/hq/LandArch/16_livability/scenic_highways/, Accessed on September 6, 2018.

Federal Highway Administration, 2018. America's Byways: California, Available online at: https://www.fhwa.dot.gov/byways/states/CA, Accessed on September 6, 2018.

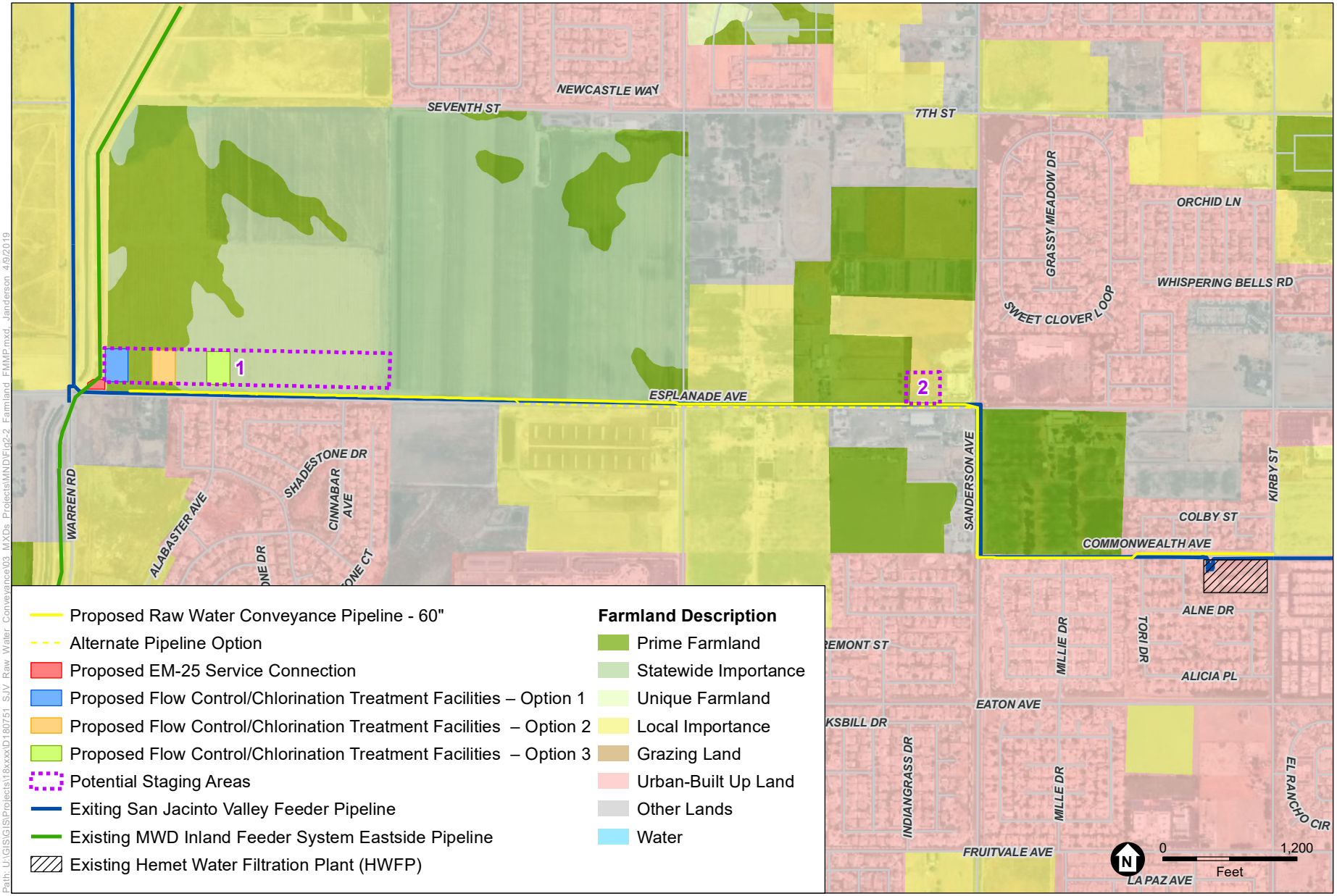
2.2 Agricultural and Forest Resources

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
2. AGRICULTURAL AND FOREST RESOURCES — In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. **Would the project:**				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☒	☐
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☐	☐	☐	☒
d) Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☒	☐

Discussion

a) The proposed raw water conveyance pipeline would underlie various California Department of Conservation (DOC) land use designations that are mostly categorized as Urban and Built-Up Land or Other Lands (**Figure 2-2**; DOC 2017). The raw water conveyance pipeline would be constructed within public rights-of-way and on property or easements owned by EMWD or acquired by EMWD. The typical depth of excavation for the pipeline would not exceed 18 feet and the extracted soil would be replaced. Therefore, construction would not permanently disrupt the top soil or the agricultural capacity of the overlaying land.

The proposed flow control facility and chlorination treatment facility would be installed aboveground in an area of approximately 1.4 acre in one of three potential locations (Options 1, 2, and 3), all of which are located on parcels designated as Prime Farmland or Farmland of Statewide Importance (Figure 2-2).



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SOURCE: Mapbox; FMMP

San Jacinto Valley Raw Water Conveyance

Figure 2-2
Farmland

ESA

Additionally, potential staging area 1 is located on land that is designated as Prime Farmland and Farmland of Statewide Importance, while potential staging area 2 is located mostly on land designated as Farmland of Local Importance, with a small segment of land classified as Prime Farmland. While both potential staging areas are located within areas of Prime Farmland, impacts would be temporary and would not permanently convert Prime Farmland, Farmland of Statewide Importance, or Farmland of Local Importance to non-agricultural use. Soil types for the parcels where Options 1 through 3 for the flow control and chlorination treatment facilities would be located include Chino silt loam (drained and alkali). Chino soils are formed from alluvium derived from granite rocks. Drainage of these soils is classified as poorly drained and permeability is classified as moderately slow (USDA 2019). This soil type is commonly used for grazing as well as some row crops.

A Land Evaluation and Site Assessment (LESA) Model was conducted for the ERRP PEIR to evaluate potential impacts to Prime Farmland and Farmland of Local Importance. The ERRP PEIR includes the overall recharge and recovery program of which this Proposed Project is a part, and from which this Project tiers. The California LESA Model was developed to provide lead agencies with an optional methodology to ensure that potentially significant effects on the environment of agricultural land conversions are quantitatively and consistently considered in the environmental review process (PRC Section 21095), including in CEQA reviews. The ERRP PEIR LESA Model analyzed impacts of installing and operating eight extraction wells on 1 acre each on land classified as Prime Farmland or Farmland of Statewide Importance. While the location of the wells was not known at the time, the ERRP PEIR assumed installation entirely on Prime Farmland on parcels within the Program area to assume worst case impacts. Soil types associated with the parcels analyzed in the ERRP PEIR include San Emigdio and Grangeville series. San Emigdio consists of deep and well drained soils suitable for a variety of crops including citrus fruit and alfalfa. Grangeville soil types are poorly drained and appropriate for alfalfa, grapes, and cotton. Using the LESA Model, a final score of 57.82 (out of 100) was calculated (EMWD 2018; see ERRP PEIR Appendix AG). According to the Model Scoring Thresholds of CEQA, the construction of the eight wells on up to 1 acre each of Prime Farmland or Farmland of Statewide Importance would be considered to have a less than significant impact on agricultural resources (See “Instruction Manual” in ERRP PEIR Appendix AG for instructions on making significance determinations).

The locations of the eight extraction wells analyzed within the ERRP PEIR were not known and could have occurred anywhere within the ERRP Program area. The range of soil resource quality, water resource availability, and surrounding agricultural lands within the overall ERRP PEIR area are relatively similar to that of the Proposed Project. Similarities include the poorly drained alluvial soils evident in the Chino silt loam soils included in the Proposed Project area and the Grangeville soils included in the ERRP Program area. The Proposed Project assumes approximately 1.4 acre of permanent disturbance to areas designated as Prime Farmland or Farmland of Statewide Importance, which is a fraction of the 8 acres of Prime Farmland evaluated with the LESA Model for

the ERRP PEIR. As a result, it can be expected that the impacts of the Proposed Project would not be greater than the ERRP PEIR, which came to a conclusion of less than significant based on the LESA Model score.

Additionally, while the Proposed Project may permanently convert approximately 1.4 acre of Prime Farmland to non-agricultural use, the parcel represents a fraction of the land still available for agricultural use within the immediate vicinity. Additionally, this Project is part of the larger ERRP Program which would involve recharge of water into the groundwater aquifer, thus benefitting water resource availability in the entire area for agriculture and municipal use. Impacts on Prime Farmland or Farmland of Statewide Importance as a result of Project implementation would be less than significant.

b) No Williamson Act contracts exist within the Proposed Project area or in adjacent lands (DOC 2016). As such, there would be no impact resulting from conflicts with existing Williamson Act contracts. The flow control and chlorination treatment facilities are located on land zoned by the City of San Jacinto as Esplanade Specific Plan (01-02), Residential, Low Density (RL), and Commercial Zone (CG). As such, the Proposed Project would not result in a conflict with zoning for agricultural use. No impact would occur.

c) No land designated as forest land or timberland is located within the Proposed Project area for the City of Hemet or the City of San Jacinto (City of Hemet 2012; City of San Jacinto 2013). As a result, no impacts would occur.

d) The Proposed Project area is not located within land designated as forest land. Therefore, there is no potential for the implementation of the Proposed Project to result in the loss of forest land or conversion of forest land to non-forest use. No impacts would occur.

e) The Proposed Project would not involve other changes to the existing environment, other than those already discussed in Section 2(a) and Section 2(d), that could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use. The Proposed Project is part of the larger ERRP, and specifically provides infrastructure to deliver imported raw water for recharge into the groundwater basin for extraction in drought years. As described in the ERRP PEIR (Impact HYD-2), the overall ERRP PEIR would not significantly impact groundwater levels and would not affect the ability of agricultural land owners to pump groundwater for agricultural irrigation. The same is true for the Project components analyzed herein. There would be no additional conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use. Impacts would be less than significant.

References

City of Hemet, 2012. City of Hemet 2030 General Plan: Open Space and Conservation Element, Adopted January 2012.

City of San Jacinto, 2013. San Jacinto Zoning Map, May 2013.

DOC, 2016. Riverside County Williamson Act 2015-2016. Published 2016

DOC, 2017. Important Farmland Categories, Riverside County, Available online at: http://www.conservation.ca.gov/dlrp/fmmp/Pages/Riverside.aspx, Accessed on September 7, 2018.

EMWD, 2018. San Jacinto Valley Water Banking – Enhanced Recharge and Recovery Program PEIR, certified June 2018.

United States Department of Agriculture (USDA), 2019. Chino Series, Grangeville Series, and San Emigdio Series, Available online at: https://soilseries.sc.egov.usda.gov/OSD_Docs/C/CHINO.html; https://soilseries.sc.egov.usda.gov/OSD_Docs/S/SAN_EMIGDIO.html; https://soilseries.sc.egov.usda.gov/OSD_Docs/G/GRANGEVILLE.html. Accessed February 8, 2019.

2.3 Air Quality

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
3. AIR QUALITY — Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. **Would the project:**				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐
c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☒	☐	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☐	☒

Discussion

The Project area is located in the cities of San Jacinto and Hemet within Riverside County and is within the South Coast Air Basin (SCAB). The SCAB is under the jurisdiction of the SCAQMD. The SCAB is a 6,600-square-mile coastal plain bounded by the Pacific Ocean to the southwest and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. The SCAB includes the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties, and all of Orange County.

The ambient concentrations of air pollutants are determined by the amount of emissions released by sources and the atmosphere's ability to transport and dilute such emissions. Natural factors that affect transport and dilution include terrain, wind, atmospheric stability, and sunlight. Therefore, existing air quality conditions in the area are determined by such natural factors as topography, meteorology, and climate, in addition to the amount of emissions released by existing air pollutant sources.

As discussed in Section 1.1, EMWD certified a PEIR in June 2018 that evaluated the entire ERRP on a programmatic level according to the CEQA Guidelines Section 15168. In that PEIR, Air Quality Mitigation Measure AQ-PMM-3 requires that prior to the construction of future program facilities, a supplemental analysis be conducted to determine the potential impacts from each facility. This analysis satisfies that requirement.

Existing Air Quality

The Proposed Project area is located in the Hemet/Elsinore Air Monitoring Subregions. Currently, the nearest monitoring station to the Project site is the Perris Valley Station (337 ½ N. D Street, Perris California), which is located approximately 11 miles west of the Project area within the EMWD Service Area. This station monitors ambient concentrations of ozone, and respirable particulate matter (PM10), but does not monitor nitrogen dioxide (NO_2), sulfur dioxide (SO_2), carbon monoxide (CO), or fine particulate matter (PM2.5).

The nearest monitoring station within the Hemet/Elsinore region that monitors ambient concentrations of CO and NO_2 is the Lake Elsinore Station located at 506 W. Flint St in Lake Elsinore which is approximately 18 miles south west of the Proposed Project. The nearest monitoring station that monitors SO_2 and PM2.5 is the Metropolitan Riverside County 1 Station located at 5888 Mission Blvd in the City of Riverside, which is approximately 27 miles north east of the Proposed Project area. Historical data of ambient ozone, NO_2, SO_2, CO, and PM10 and PM2.5 concentrations from the applicable monitoring stations for the most recent 3 years of available data (2014–2016) are shown in **Table 2-1**.

Both the California Air Resources Board (CARB) and United States Environmental Protection Agency (USEPA) use this type of monitoring data to designate areas according to their attainment status for criteria air pollutants. The purpose of these designations is to identify the areas with air quality problems and thereby initiate planning efforts for improvement. The three basic designation categories are nonattainment, attainment, and unclassified. Unclassified is used in an area that cannot be classified on the basis of available information as meeting or not meeting the standards. In addition, the California designations include a subcategory of nonattainment-transitional, which is given to nonattainment areas that are progressing and nearing attainment. The current attainment status for the Riverside County portion of the SCAB is provided in **Table 2-2**.

a) The Proposed Project is located within the SCAB, which is under the jurisdiction of the SCAQMD. As such, SCAQMD's 2016 AQMP is the applicable air quality plan for the Proposed Project. Projects that are consistent with the regional population, housing, and employment forecasts identified by SCAG are considered to be consistent with the AQMP growth projections, since the forecast assumptions by SCAG forms the basis of the land use and transportation control portions of the AQMP. Additionally, because SCAG's regional growth forecasts are based upon, among other things, land uses designated in general plans, a project that is consistent with the land use designated in a general plan would also be consistent with the SCAG's regional forecast projections, and thus also with the AQMP growth projections. The Proposed Project would not result in long-term residential or employment growth within the region.

TABLE 2-1
AIR QUALITY DATA SUMMARY (2014 – 2016) FOR PROJECT AREA

		Monitoring Data by Year		
Pollutant	**Standard[a]**	**2014**	**2015**	**2016**
Ozone – Perris Valley				
Highest 1 Hour Average (ppm)		0.117	0.124	0.131
Days over State Standard	0.09 ppm	16	25	23
Highest 8 Hour Average (ppm)		0.094	0.102	0.098
Days over National Standard	0.070 ppm	59	49	55
Days over State Standard	0.070 ppm	63	50	56
Carbon Monoxide – Lake Elsinore				
Highest 8 Hour Average (ppm)		1.4	0.6	0.6
Days over National Standard	9.0 ppm	0	0	0
Days over State Standard	9.0 ppm	0	0	0
Nitrogen Dioxide – Lake Elsinore				
Highest 1 Hour Average (ppm)		0.0453	0.0472	0.0513
Days over National Standard	0.100 ppm	0	0	0
Days over State Standard	0.18 ppm	0	0	0
Annual Average (ppm)		0.0082	0.0087	0.0081
Days over National Standard	0.053 ppm	0	0	0
Days over State Standard	0.030 ppm	0	0	0
Sulfur Dioxide– Metropolitan Riverside County 1				
Highest 1-Hour Average (ppm)		0.0056	0.0019	0.0056
Days over State Standard	0.25 ppm	0	0	0
Particulate Matter (PM10) – Perris Valley				
Highest 24 Hour Average ($\mu g/m^3$)[b]		87	74	76
Days over National Standard (measured)[c]	150 $\mu g/m^3$	0	0	0
Days over State Standard (measured)[c]	50 $\mu g/m^3$	8	3	5
Annual Average ($\mu g/m^3$)[b]	20 $\mu g/m^3$	35.1	30.3	32.2
Particulate Matter (PM2.5) – Metropolitan Riverside County 1				
Highest 24 Hour Average ($\mu g/m^3$)[b]		48.9	54.7	39.12
Days over National Standard (measured)[c]	35 $\mu g/m^3$	5	9	4
Annual Average ($\mu g/m^3$)[b]	12 $\mu g/m^3$	12.48	11.89	12.54

NOTES:
ppm = parts per million; $\mu g/m^3$ = micrograms per cubic meter.
* = Insufficient data available to determine the value.

[a] Generally, state standards and national standards are not to be exceeded more than once per year.

[b] Concentrations and averages represent federal statistics. State and federal statistics may differ because of different sampling methods.

[c] Measurements are usually collected every 6 days. Days over the standard represent the measured number of days that the standard has been exceeded.

SOURCE: SCAQMD 2016, 2015a, 2014.

TABLE 2-2
SOUTH COAST AIR BASIN ATTAINMENT STATUS

	Attainment Status	
Pollutant	**California Standards**	**Federal Standards**
Ozone	Nonattainment	Nonattainment
CO	Attainment	Attainment/Maintenance
NO_2	Attainment	Attainment/Maintenance
SO_2	Attainment	Attainment
PM10	Nonattainment	Attainment/Maintenance
PM2.5	Nonattainment	Nonattainment
Lead	Attainment	Attainment

SOURCE: CARB, 2017; USEPA, 2018.

Construction of the Proposed Project would result in an increase in short-term employment compared to existing conditions. Construction employees are typically employees of the construction firm and are not hired specifically for any one construction job. Being relatively small in number and temporary in nature, construction jobs under the Project would not conflict with the long-term employment projections upon which the AQMP is based. Control strategies in the AQMP with potential applicability to short-term emissions from construction activities include strategies denoted in the 2016 AQMP as MOB-08 and MOB-10 and are intended to reduce emissions from on-road and off-road heavy-duty vehicles and equipment by accelerating replacement of older, emissions-prone engines with newer engines meeting more stringent emission standards. Construction contractors would be required to comply with the CARB Air Toxic Control Measure that limits heavy duty diesel motor vehicle idling to no more than five minutes at any given location. In addition, contractors would be required to comply with required and applicable Best Available Control Technology (BACT) and the CARB In-Use Off-Road Diesel Vehicle Regulation to use lower emitting equipment in accordance with the phased-in compliance schedule for equipment fleet operators. The Project would not conflict with implementation of these strategies. The Project would also comply with SCAQMD regulations for controlling fugitive dust pursuant to SCAQMD Rule 403 (Fugitive Dust). Compliance with these requirements is consistent with and meets or exceeds the AQMP requirements for control strategies intended to reduce emissions from construction equipment and activities. Because the Project would not conflict with the control strategies intended to reduce emissions from construction equipment, the Project would not conflict with or obstruct implementation of the AQMP, and impacts would be less than significant with respect to construction activities.

The Proposed Project includes operation of the EM-25 service connection, a flow control facility, chlorination treatment facility, and a 60-inch diameter transmission pipeline to convey raw water from the EM-25 connection point to EMWD's existing SJVFP near the intersection of Kirby Street and Commonwealth Avenue in the City of Hemet. Operation of the aforementioned facilities would not require the addition of new employees and

would only require weekly maintenance consisting of a maximum of two service truck trips per week (1/2 ton pickup). Operation of the proposed chlorination treatment facility would involve chemical deliveries of approximately 1 per month. Additionally, as the Project is not a residential development, it would not result in the creation of new housing or potential residential growth. The Proposed Project would not change the regional growth forecasts as identified in the local General Plan or those of the 2016 AQMP. Therefore, the Proposed Project would not conflict with, or obstruct, implementation of the AQMP, and this impact would be less than significant with respect to operational activities.

b) A cumulative impact arises when two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts. Cumulative impacts can result from individually minor but collectively significant impacts, meaning that the Proposed Project's incremental effects must be viewed in connection with the effects of past, current, and probable future projects.

The Project area is located within the SCAB, which is considered the cumulative study area for air quality. Because the SCAB is currently classified as a state nonattainment area for ozone, PM10, and PM2.5, cumulative development consisting of the Proposed Project along with other past, present, and reasonably foreseeable future projects in the SCAB as a whole could violate an air quality standard or contribute to an existing or projected air quality violation. Based on SCAQMD's cumulative air quality impact methodology, SCAQMD recommends that if an individual project results in air emissions of criteria pollutants (volatile organic compounds [VOC], nitrogen oxides [NO_X], CO, SO_X, PM10, and PM2.5) that exceed the SCAQMD's recommended daily thresholds for project-specific impacts, then it would also result in a cumulatively considerable net increase of these criteria pollutants for which the Proposed Project region is in non-attainment under an applicable federal or state ambient air quality standard.

Construction

Construction emissions are considered short term and temporary, but have the potential to represent a significant impact with respect to air quality. Particulate matter (i.e., PM10 and PM2.5) are among the pollutants of greatest localized concern with respect to construction activities. Particulate emissions from construction activities can lead to adverse health effects and nuisance concerns, such as reduced visibility and soiling of exposed surfaces. Particulate emissions can result from a variety of construction activities, including excavation, grading, demolition, vehicle travel on paved and unpaved surfaces, and vehicle and equipment exhaust. Construction emissions of PM10 and PM2.5 can vary greatly depending on the level of activity, the specific operations taking place, the number and types of equipment operated, local soil conditions, weather conditions, and the amount of earth disturbance.

Emissions of ozone precursors of VOC and NO_X are primarily generated from mobile sources and vary as a function of vehicle trips per day associated with delivery of construction materials, the importing and exporting of soil, vendor trips, worker commute

trips, and the types and number of heavy-duty, off-road equipment used and the intensity and frequency of their operation.

The maximum daily construction emissions for the Proposed Project were estimated using the California Emissions Estimator Model (CalEEMod) Version 2016.3.2, which is designed to model construction emissions for land use development projects based on building size, land use and type, and disturbed acreage, and allows for the input of project-specific information. Proposed Project-generated emissions of criteria air pollutants (i.e., CO, SO_2, PM10, and PM2.5) and ozone precursors (i.e., VOC and NO_X) were modeled based on general information provided in the Proposed Project description, and default SCAQMD-recommended settings and parameters attributable to the proposed land use types and site location.

It is mandatory for all construction projects in the Basin to comply with SCAQMD Rule 403 for controlling fugitive dust. Incorporating Rule 403 into the Proposed Project would reduce regional PM10 and PM2.5 fugitive dust emissions from the geotechnical activities. Specific Rule 403 control requirements include, but are not limited to, applying water in sufficient quantities to prevent the generation of visible dust plumes, applying soil binders to uncovered areas, reestablishing ground cover as quickly as possible, utilizing a wheel washing system to remove bulk material from tires and vehicle undercarriages before vehicles exit the Project area, covering all trucks hauling soil with a fabric cover and maintaining a freeboard height of 12 inches, and maintaining effective cover over exposed areas. Compliance with Rule 403 was accounted for in the construction emissions modeling.[1] Site watering and application of soil binders would reduce the particulate matter from becoming airborne, while washing of transport vehicle tires and undercarriages would reduce re-entrainment of construction dust onto the local roadway network.

Construction activities would begin in Spring 2020 with active construction occurring in phases over a maximum of 17 months. The EM-25 service connection, flow control facility, and chlorination treatment facility construction were modeled together since the facilities are collocated and would be constructed together. The modeling of those facilities together assumed the following phases: site preparation, excavation/mass grading, foundation, installation, start-up, and testing. Pipeline installation would occur as three phases: demolition, excavation, and paving. Pipeline installation would occur at the rate of approximately 50 feet per day. Each sub phase would occur independently over a given 50-foot segment, however the modeling assumed that three 50-foot segments would be under construction at the same time. Therefore, pipeline installation emissions represent the combined emissions from pipeline demolition, pipeline excavation, and pipeline paving over a 150-foot segment. **Table 2-3** summarizes the daily emissions of criteria air pollutants and ozone precursors associated with each individual phase (refer to **Appendix AQ** for a detailed summary of the CalEEMod modeling

[1] Note that the way CalEEMod is designed, fugitive dust controls pursuant to Rule 403 are incorporated in the model as "mitigation." Therefore, the "mitigated" fugitive dust emissions in CalEEMod represent the unmitigated conditions with the application of Rule 403 compliance.

assumptions, inputs, and outputs). Because there is the potential for portions of the EM-25 service connection, flow control facility, and chlorination treatment facility construction to occur at the same time and/or location as pipeline installation, each of the five phases listed above were analyzed along with construction of a portion of the pipeline segment. As a result, Table 2-3 presents the maximum potential overlapping activities occurring in one day, which would be the mass grading/excavation phase associated with the EM-25 service connection, flow control facility, chlorination treatment facility, occurring at the same time as the pipeline installation. As shown in Table 2-3, no construction activities, individually or overlapping, would exceed the SCAQMD's daily significance thresholds for criteria pollutants or ozone precursors. Therefore, construction of the Project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard and would result in less than significant cumulative impacts.

TABLE 2-3
PROPOSED PROJECT: REGIONAL CONSTRUCTION EMISSIONS

	Estimated Maximum Daily Emissions (lbs/day) [a]					
Construction Activity	**VOC**	**NO_x**	**CO**	**SO_2**	**PM10**	**PM2.5**
Unmitigated						
EM-25, Flow Control, Chlorination Site Prep	2	25	11	<1	3	2
EM-25, Flow Control, Chlorination Mass Grading/Excavation	2	25	11	<1	4	2
EM-25, Flow Control, Chlorination Foundation	1	4	5	<1	<1	<1
EM-25, Flow Control, Chlorination Installation	1	9	9	<1	1	1
EM-25, Flow Control, Chlorination Start up	1	4	8	<1	<1	<1
EM-25, Flow Control, Chlorination Testing	1	4	4	<1	<1	<1
Pipeline Installation[b]	5	45	30	<1	5	3
Maximum Day (Overlap 2)[c]	7	70	40	<1	9	7
Regional Significance Threshold	*75*	*100*	*550*	*150*	*150*	*55*
Significant Impact?	**No**	**No**	**No**	**No**	**No**	**No**

[a] Totals may not add up exactly due to rounding of the modeling calculation results.

[b] Pipeline installation includes the combined emissions from one section in each of the three installation phases (demolition, excavation, and paving), occurring concurrently.

[c] Overlap 2 represent pipeline installation and EM-25, Flow Control, Chlorination – Mass Grading/Excavation. All other overlap scenarios would result in emissions that are less than Overlap 2.

Source: Refer to Appendix AQ

Operation

The only operational emissions associated with the Proposed Project would result from vehicle trips for weekly maintenance and monthly chemical deliveries. The pumps would be electrically operated; therefore, there would be no direct emissions from the pump

usage with respect to air quality. As shown in **Table 2-4**, the Proposed Project's operational emissions would be negligible and would not exceed the SCAQMD regional significance thresholds. Therefore, operation of the Proposed Project would not result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard and would result in less than significant cumulative impacts.

TABLE 2-4
PROPOSED PROJECT: REGIONAL UNMITIGATED OPERATIONAL EMISSIONS

	Estimated Maximum Daily Emissions (lbs/day) [a]					
Source	**VOC**	**NO_X**	**CO**	**SO_2**	**PM10**	**PM2.5**
Unmitigated						
Area	<1	<1	<1	<1	<1	<1
Energy	0	0	0	0	0	0
Mobile	<1	<1	<1	<1	<1	<1
Total	<1	<1	<1	<1	<1	<1
Regional Significance Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Significant Impact?	**No**	**No**	**No**	**No**	**No**	**No**

[a] Totals may not add up exactly due to rounding of the modeling calculation results.

Source: Refer to Appendix AQ

c) Sensitive receptors at nearby residences would be exposed to criteria and Toxic Air Contaminants (TAC) pollutants during construction and operational activities, but not to a significant level, as discussed below.

CO Hotspots

CO hotspots are primarily a concern during the operational period of a project where the project increases local daily traffic on congested roadways for the foreseeable future. For the Proposed Project, daily traffic volumes would average two round trips for maintenance per week and one delivery truck per month. As such, the Proposed Project would not substantially contribute to an increase in traffic volumes on the roadway network compared to existing conditions. Therefore, the Proposed Project's emissions would not result in a CO hotspot. As a result, impacts would be less than significant.

LST - Construction

The daily onsite construction emissions generated by the Proposed Project were evaluated against SCAQMD's localized significance thresholds (LSTs) for a 1-acre site to determine whether the emissions would cause or contribute to adverse localized air quality impacts. The nearest sensitive receptor would be the residential development south of Esplanade Avenue located approximately 80 feet (approximately 25 meters) from the site identified as Option 3 for the flow control facility and chlorination treatment facility and adjacent to the pipeline alignment. These sensitive receptors would be

exposed to emissions from both the pipeline installation as well as construction of the flow control and chlorination treatment facilities. Therefore, these sensitive receptors along Esplanade Avenue between Warren Road and Cawston Avenue would have the greatest potential for exposure to air pollutants from Project construction. Additional residents along Esplanade Avenue, Sanderson Avenue, and Commonwealth Avenue would be adjacent to the pipeline expansion and would be within a 25 to 50-foot range from the construction activities. SCAQMD's LST methodology states that projects 25 meters or less from the nearest sensitive receptors should use the 25-meter thresholds. Therefore, consistent with the SCAQMD's LST methodology, the analysis compares the onsite construction emissions for the EM-25 service connection, flow control facility, chlorination treatment facility, and pipeline installation to the look-up table thresholds for a 1-acre site at 25 meters.

Table 2-5 shows the impacts from each individual construction activity as well as the maximum overlap scenario (mass grading/excavation phase associated with the EM-25 service connection, flow control facility, and chlorination treatment facility, occurring at the same time as the adjacent pipeline installation along Esplanade Avenue). As shown, the daily unmitigated emissions generated onsite by the construction of the pipeline as an individual phase, and the mass grading/excavation phase associated with the EM-25 service connection, flow control facility, and chlorination treatment facility occurring at the same time as pipeline installation, would exceed the applicable SCAQMD screening LSTs during construction for PM10 and/or PM2.5.

TABLE 2-5
PROPOSED PROJECT UNMITIGATED LOCALIZED DAILY CONSTRUCTION EMISSIONS

	Estimated Maximum Daily Onsite Emissions (lbs/day) [a]			
Construction Phase	**NO_X**	**CO**	**PM10 [b]**	**PM2.5 [b]**
EM-25, Flow Control, Chlorination Site Prep	25	10	3	2
EM-25, Flow Control, Chlorination Mass Grading/Excavation	25	10	4	2
EM-25, Flow Control, Chlorination Foundation	4	4	<1	<1
EM-25, Flow Control, Chlorination Installation	8	8	1	<1
EM-25, Flow Control, Chlorination Start up	4	4	<1	<1
EM-25, Flow Control, Chlorination Testing	4	4	<1	<1
Pipeline Installation[c]	43	28	***5***	3
Maximum Overlap Emissions[d]	68	39	***9***	***7***
SCAQMD Threshold (25 meters)	**90**	**750**	**4**	**3**
Significant Impact?	**No**	**No**	**Yes**	**Yes**

[a] According to SCAQMD's LST methodology, LSTs are only applicable to the onsite construction emissions that are generated by a project and do not apply to emissions generated offsite such as mobile emissions on roadways from worker, vendor, and haul truck trips. Totals may not add up exactly due to rounding of the modeling calculation results.

[b] Emissions account for implementation of dust control measures as required by SCAQMD Rule 403 (Fugitive Dust).

[c] Pipeline installation includes the combined emissions from one section in each of the three installation phases, demolition, excavation, and paving, concurrently.

[d] Maximum Overlap Emissions represents the maximum emissions for each criteria pollutant that would occur when pipeline installation overlaps with the Mass Grading/ Excavation subphase of EM-25, Flow Control, Chlorination construction.

Source: Refer to Appendix AQ

Incorporation of **Mitigation Measure AQ-1** (provided below), which requires Tier 4 engines for all pieces of equipment, would reduce exposure from all individual phases of construction activity. However, the mass grading/excavation phase associated with the EM-25 service connection, flow control facility, and chlorination treatment facility, occurring at the same time as the pipeline installation along Esplanade Avenue between Warren Road and Cawston Avenue would still result in exceedances of the screening LSTs for both PM10 and PM2.5 localized emissions. Therefore, additional mitigation is needed to reduce potentially significant impacts.

With the implementation of **Mitigation Measure AQ-2** (provided below), which requires constraints on the phasing of construction along Esplanade Avenue between Warren Road and Cawston Avenue, the Proposed Project's localized mitigated emissions for the residences along Esplanade Avenue between Warren Road and Cawston Avenue would be mitigated to below the LST thresholds. It is understood that site preparation and mass grading/excavation for the EM-25 service connection, flow control facility, and chlorination treatment facility, would occur over approximately two weeks, therefore Mitigation Measure AQ-2 would have minimal impact on the Project's construction schedule. Note that as distance between the pipeline installation and the receptors across from the EM-25 service connection, flow control facility, and chlorination treatment facility increases to the east, the impact from pipeline installation on the receptors is minimized. As shown in **Table 2-6,** localized air quality emissions associated with the Project would have a less than significant impact with incorporation of Mitigation Measures AQ-1 and AQ-2.

LST - Operational

The daily onsite operational emissions generated by the Proposed Project were evaluated against SCAQMD's LSTs for a 1-acre site to determine whether the emissions would cause or contribute to adverse localized air quality impacts. The nearest sensitive receptor would be the residential development south of Esplanade Avenue located approximately 80 feet (approximately 25 meters) from the site identified as Option 3 for the flow control facility and chlorination treatment facility. The residents along the pipeline route would not be impacted by the operation of the pipeline since it is underground. Therefore, the analysis compares the onsite operational emissions to the look-up table thresholds for a 1-acre site at 25 meters consistent with the SCAQMD's LST methodology.

Table 2-7 shows the impacts from operational activity. As shown, the daily unmitigated emissions generated onsite by the Proposed Project would not exceed the applicable SCAQMD screening LSTs. Therefore, localized air quality emissions associated with operation of the Proposed Project would have a less than significant impact, and no mitigation is required.

TABLE 2-6
PROPOSED PROJECT MITIGATED LOCALIZED DAILY CONSTRUCTION EMISSIONS

	Estimated Maximum Daily Onsite Emissions (lbs/day) [a]			
Construction Phase	**NO_X**	**CO**	**PM10 [b]**	**PM2.5 [b]**
Mitigation Measure AQ-1				
EM-25, Flow Control, Chlorination Site Prep	5	11	2	1
EM-25, Flow Control, Chlorination Mass Grading/Excavation	5	11	3	1
EM-25, Flow Control, Chlorination Foundation	1	4	<1	<1
EM-25, Flow Control, Chlorination Installation	2	9	<1	<1
EM-25, Flow Control, Chlorination Start up	<1	4	<1	<1
EM-25, Flow Control, Chlorination Testing	<1	4	<1	<1
Pipeline Installation[c]	2	30	2	1
Maximum Overlap Emissions[d]	7	41	*6*	*3*
SCAQMD Threshold (25 meters)	90	750	4	3
Significant Impact?	No	No	Yes	No
Mitigation Measure AQ-2				
Maximum with AQ-2[e]:	'-	'-	*3*	*1*
SCAQMD Threshold (25 meters)	**90**	**750**	**4**	**3**
Significant Impact?	**No**	**No**	**No**	**No**

[a] According to SCAQMD's LST methodology, LSTs are only applicable to the onsite construction emissions that are generated by a project and do not apply to emissions generated offsite such as mobile emissions on roadways from worker, vendor, and haul truck trips. Totals may not add up exactly due to rounding of the modeling calculation results.

[b] Emissions account for implementation of dust control measures as required by SCAQMD Rule 403 (Fugitive Dust).

[c] Pipeline installation includes the combined emissions from one section in each of the three installation phases, demolition, excavation, and paving, concurrently.

[d] Maximum Overlap Emissions represents the maximum emissions for each criteria pollutant that would occur when pipeline installation overlaps with the subphases of EM-25, Flow Control, Chlorination construction.

[e] AQ-2 eliminates overlapping of pipeline installation with EM-25, Flow Control, Chlorination construction subphases of mass grading or site preparation. Therefore, the maximum with AQ-2 represent the maximum emissions from the pipeline installation and the overlap between all subphases of the facilities construction with the exception of Site Preparation and Mass Grading/Excavation as detailed in Mitigation Measure AQ-2.

Source: Refer to Appendix AQ

TABLE 2-7
PROPOSED PROJECT LOCALIZED DAILY OPERATIONAL EMISSIONS

	Estimated Maximum Daily Onsite Emissions (lbs/day) [a]			
Source	**NO_X**	**CO**	**PM10**	**PM2.5**
Max Daily	<1	<1	<1	<1
SCAQMD Threshold (25 meters)	**90**	**750**	**1**	**1**
Significant Impact?	**No**	**No**	**No**	**No**

[a] According to SCAQMD's LST methodology, LSTs are only applicable to the onsite construction emissions that are generated by a project and do not apply to emissions generated offsite such as mobile emissions on roadways from worker, vendor, and haul truck trips. Totals may not add up exactly due to rounding of the modeling calculation results.

Source: Refer to Appendix AQ

Construction Toxic Air Contaminants

The Proposed Project would result in short-term emissions of diesel particulate matter (DPM), a known TAC. DPM poses a carcinogenic health risk that is measured using an exposure period of 70 years. The exhaust from the use off-road heavy-duty diesel equipment would result in emissions of DPM during construction of the EM-25 service connection, flow control facility, chlorination treatment facility, pipeline installation, and during all grading activities. SCAQMD has not adopted a methodology for analyzing short-term and temporary construction health risk impacts. For stationary source permitting projects in which the SCAQMD is the lead agency, the SCAQMD evaluates health risk impacts in accordance with its Risk Assessment Procedures for Rules 1401, 1401.1 and 212 (September 1, 2017) (SCAQMD 2017), which generally follows the 2015 Office of Environmental Health Hazard Assessment (OEHHA) Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2015). Therefore, for the purposes of this analysis, a health risk assessment was conducted based on guidance from the SCAQMD Risk Assessment Procedures and the 2015 OEHHA methodology.

In order to estimate the concentration of DPM emissions from the construction activities at the air quality-sensitive residential receptors, dispersion modeling was performed using the USEPA and SCAQMD-approved AMS/EPA Regulatory Model (AERMOD) consistent with SCAQMD dispersion modeling recommendations. Consistent with SCAQMD recommendations, AERMOD was run using the urban dispersion modeling parameter. Meteorological data is from the SCAQMD's Perris Valley monitoring station located within SRA 24, which provides representative local weather conditions and prevailing winds data from the closest monitoring station. The SCAQMD provides AERMOD-ready meteorological data files at this location for years 2010, 2011, 2014, 2015, and 2016. Terrain data from the U.S. Geological Survey was used to assign elevations to modeled emissions sources and modeled receptor locations. The emission sources (i.e., heavy-duty diesel-fueled equipment used for the construction activities) were characterized as volume sources within AERMOD. Cartesian grid receptor points were placed within AERMOD at sensitive receptor locations discussed above in consideration of the proximity of the sensitive receptors to the Project site and their potential to result in maximum impacts for the residential receptors in the vicinity.

According to OEHHA, carcinogenic health risk assessments, which determine the exposure of sensitive receptors to TAC emissions, should be based on a 70-year exposure period; however, such assessments should be limited to the period or duration of activities associated with the Proposed Project. OEHHA recommends a health risk assessment be conducted for any project that disturbs more than one acre and lasts more than two months. The Proposed Project would last for up to 17 months and would disturb more than one acre. Health risk impact calculations were performed based on the results of the AERMOD dispersion model and calculation methodologies in the SCAQMD Risk Assessment Procedures, which accounts for daily breathing rate, exposure duration, and age sensitivity factors that account for increased sensitivity to TAC emissions for infants and children. The SCAQMD threshold of significance is an incremental increase in cancer risk of 10 in one million.

Potential non-cancer chronic health impacts were evaluated using the Hazard Index approach. The Hazard Index is calculated by dividing the maximum modeled concentration of a TAC at the maximum impacted sensitive receptor by the Reference Exposure Level (REL). The REL is the concentration at or below which no adverse non-cancer health effects are known or expected to occur for that TAC. Therefore, a Hazard Index of less than 1.0 means that the maximum impacted sensitive receptor would be exposed to TAC concentrations at a level in which adverse non-cancer health effects would not be known or expected to occur. A hazard index equal to or greater than 1.0 represents a significant chronic health hazard.

Risk for the Proposed Project is driven by construction of the EM-25 service connection, flow control facility, chlorination treatment facility, and pipeline alignment, and assumes that all of the construction equipment associated with each construction phase would be in use throughout the entire 319-day construction period. This results in a conservative estimate of risk because it is more likely that all the equipment would not operate every day. Therefore, the potential risk would most likely be less than what is presented.

Unmitigated risk for the Proposed Project would be 67 in one million with a chronic risk of 0.11. Unmitigated risk exceeds the 10 in one million threshold while the chronic non-cancer risk would not exceed the regulatory threshold of 1. With incorporation of Mitigation Measure AQ-1 the Proposed Project's estimated incremental increase in cancer risk would be 8.14 in one million and the chronic non-cancer health impact would be 0.12. The cancer risk would not exceed the SCAQMD thresholds of 10 in one million, and the chronic health impact would not exceed the SCAQMD threshold of 1.0. Therefore, Project construction would not expose sensitive receptors to substantial emissions of TACs. This impact would be less than significant.

Operational Toxic Air Contaminants

The Proposed Project would not operate onsite equipment that would result in the emission of TACs and would not generate enough truck trips to expose nearby receptors to excessive risk from DPM exposure. Therefore, no operational health risk is required, and health risks would be less than significant from operational activities.

Mitigation Measures

AQ-1: **Tier 4 Rated Engines.** EMWD shall require the construction contractor to use off-road equipment that meets the EPA certified Tier 4 final engines or engines that are certified to meet or exceed the emission ratings for EPA Tier 4 final or interim engines for all construction equipment and vehicles used for the Project.

AQ-2: **Construction Schedule Adjustment.** During the mass grading and excavation phase associated with construction of the EM-25 service connection, flow control facility, and chlorination treatment facility (estimated as two weeks of the total construction schedule), construction of the pipeline shall not occur along Esplanade Avenue west of Cawston Avenue North. This minimizes exposure of sensitive residential receptors along Esplanade Avenue to PM10 and PM2.5 emissions from the combination of these activities.

d) Potential sources that may emit odors during construction activities include the use of architectural coatings and solvents and vehicle exhaust. SCAQMD Rule 1113 limits the allowable amount of VOCs from architectural coatings and solvents, and CARB's regulations on idling limit unnecessary emissions from idling equipment. Since compliance with CARB and SCAQMD Rules governing these compounds is mandatory, no construction activities or materials are proposed that would create objectionable odors. While construction equipment exhaust and application of asphalt and architectural coatings would temporarily generate odors, the Proposed Project activities are typically confined to the immediate vicinity of the equipment and would only be discernable offsite for brief instances depending on wind strength and direction. Therefore, impacts would be less than significant.

According to the SCAQMD CEQA Air Quality Handbook, land uses associated with odor complaints typically include agricultural uses, wastewater treatment plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding. The Proposed Project does not include any uses identified by the SCAQMD as being typically associated with objectionable or nuisance odors. In addition, potential odors generated by new and existing non-residential land uses are required to be in compliance with SCAQMD Rule 402 (Nuisance) to prevent odor nuisances on sensitive land uses (i.e., residents near the Project site). Therefore, impacts would be less than significant.

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2.4 Biological Resources

Issues (and Supporting Information Sources):		*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
4.	**BIOLOGICAL RESOURCES — Would the project:**				
a)	Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☒	☐	☐
b)	Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
c)	Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d)	Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☒	☐
e)	Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f)	Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

Discussion

Environmental Science Associates (ESA) conducted a literature and database review to determine the potential for special-status species and/or sensitive natural vegetation communities to occur within the Proposed Project area. This included a review of aerial photographs of the Proposed Project site (Google Earth Pro 2018) and a review of several biological resource databases, including the California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CDFW 2018), California Native Plant Society (CNPS 2018) On-line Inventory of Rare and Endangered Vascular Plants of California, and the United States Fish and Wildlife Service (USFWS)'s National Wetland Inventory (NWI) (USFWS 2018a). The database search area included the Lakeview United States Geological Survey (USGS) 7.5-minute quadrangle map, as well as the surrounding eight USGS quadrangle maps – Sunnymead, El Casco, Beaumont, Perris, San Jacinto, Romoland, Winchester and Hemet. Results of the database searches are provided in **Appendix BIO**.

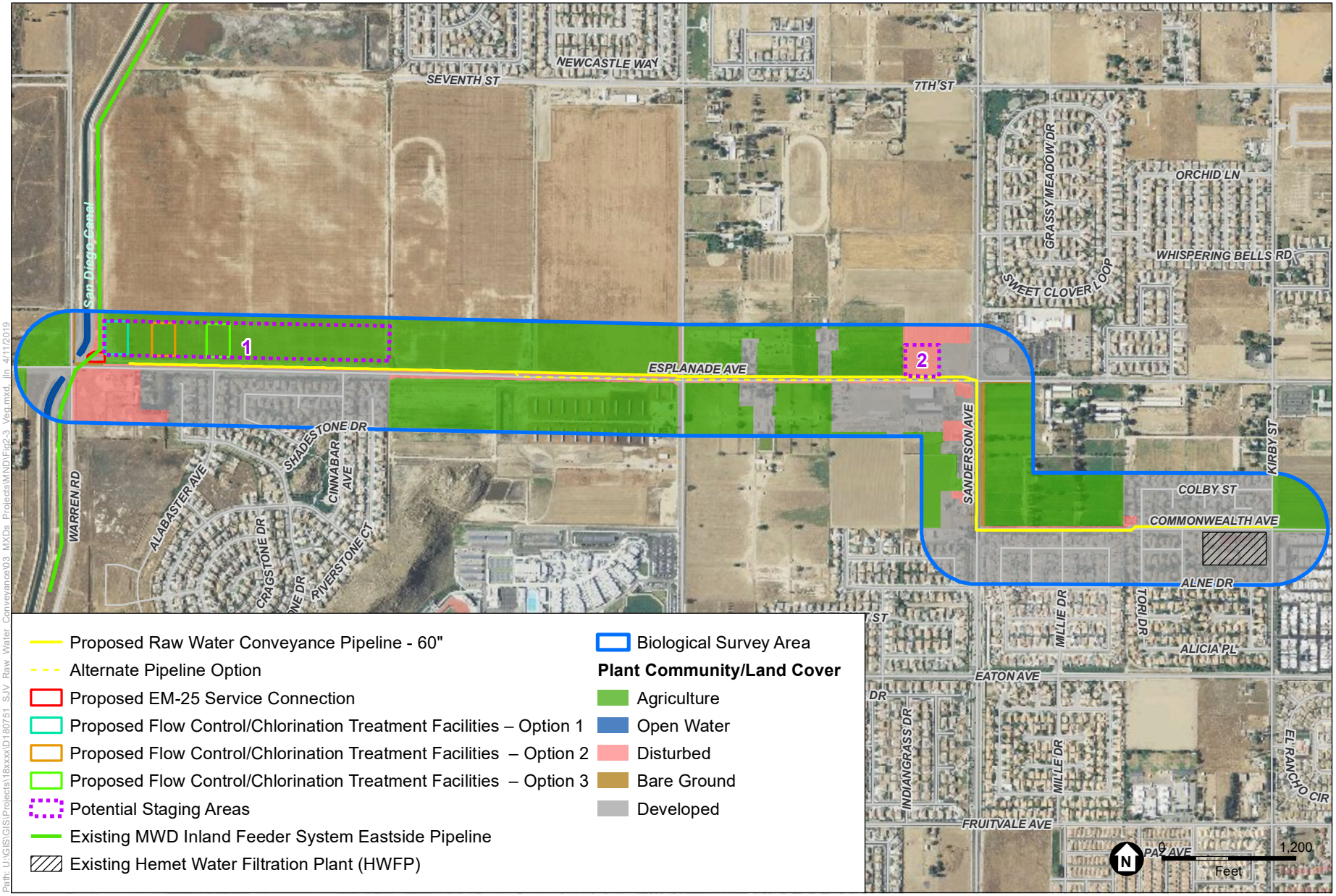
On August 8, 2018, ESA biologist Ryan Villanueva conducted a field reconnaissance of the Proposed Project area to characterize and map existing conditions, most notably vegetation communities, habitats and disturbed areas, and to determine the potential for special-status

species and sensitive habitats to occur. The survey consisted of driving along the proposed raw water pipeline alignment and stopping to investigate accessible parcels to characterize vegetation communities and disturbed conditions. Additionally, potentially sensitive biological resources were noted and a brief visual assessment was conducted of potential jurisdictional waters. Geographic Information System (ArcGIS) was used to map plant communities and to verify the presence of any USFWS-designated critical habitat (USFWS 2018b) or CDFW Natural Community Conservation Planning areas.

a) The Proposed Project's facilities would be installed mainly within rights-of-way in the City of Hemet and San Jacinto, with a portion of infrastructure to be installed within agricultural lands and disturbed/developed lands to the north of Esplanade Avenue. Existing land covers or vegetation communities observed are dominated by agricultural lands, developed, disturbed and areas of bare ground with small portions of open water (**Figure 2-3**). According to the CNDDB, CNPS and USFWS database literature review conducted for the Project, approximately 62 special-status plant species and 59 special-status wildlife species have been previously recorded in the 9-USGS quadrangle search (see Appendix BIO for the full list). The quadrangle includes the 7.5-minute map for which the Project site is located, as well as the surrounding eight USGS quadrangles (Sunnymead, El Casco, Beaumont, Perris, San Jacinto, Romoland, Winchester and Hemet). Three of the special-status wildlife species and one of the special-status plant species identified in the literature review have potential to occur within the Project site because the habitat is suitable and/or the Project site is within the known range for the species. These include coastal whiptail (*Aspidoscelis tigris* ssp. *stejnegeri*), burrowing owl (*Athene cunicularia*), white-faced ibis (*Plegadis chihi*), and smooth tarplant (*Centromadia pungens* ssp. *laevis*).

Table 2-8 identifies the protective status of the species indicated above, including preferred habitat and the quality of habitat located within the survey area. Also indicated is the probability of the species to occur within the survey area (i.e., Project impact area and immediate vicinity). Only species for which there is suitable habitat at the Proposed Project site are included in Table 2-8. The "Potential for Occurrence" category outlined in Table 2-8 is defined as follows:

- **Low Potential:** The Project area and/or immediate vicinity provides low-quality habitat for a particular species, such as improper substrate, disturbed or otherwise degraded habitat, or improper assemblage of desired vegetation, and/or the site is outside of the known range of the species.
- **Medium Potential:** The Project area and/or immediate vicinity provides marginal habitat for a particular species. For example, proper substrate may be present, but the desired vegetation assemblage or density is less than ideal, or substrate and vegetation are suitable, but the site is outside of the known elevation range of the species.



SOURCE: ESRI

San Jacinto Valley Raw Water Conveyance

Figure 2-3

Plant Community/Land Cover Map

ESA

TABLE 2-8
SENSITIVE WILDLIFE AND PLANT SPECIES WITH POTENTIAL TO OCCUR AT THE PROJECT SITE

Common Name	Scientific Name	Status[1] (Federal/State/Other)	Habitat	Potential to Occur at Project Site
Birds				
burrowing owl	*Athene cunicularia*	None/SSC/None	Coastal prairie, Coastal scrub, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Sonoran desert scrub, Valley & foothill grassland	Medium. Potential foraging habitat is present on the site in the untilled agricultural lands and disturbed areas. Little evidence of ground dwelling mammal activity observed.
white-faced ibis	*Plegadis chihi*	None/SWL/None	Marsh, swamp, & wetland	Low. Observed flying over the site. Limited foraging habitat onsite along the open water areas. Likely attracted by nearby waterbodies to the north.
Reptiles				
coastal whiptail	*Aspidoscelis tigris* ssp. *stejnegeri*	None/SSC/None	Woodland, riparian, deserts, semiarid areas with sparse vegetation and open areas	Medium. Disturbed areas, agricultural lands and bare ground may provide suitable habitat.
Plants				
smooth tarplant	*Centromadia pungens* ssp. *laevis*	None/None/1B.1	Alkali playa, Chenopod scrub, Meadow and seep, Riparian woodland, Valley and foothill grassland & Wetland	Low. Disturbed areas may provide suitable habitat.

[1] Federal/State/Other Status: FE – Federally Endangered; FT – Federally Threatened; FC – Federal Candidate; SE – State Endangered; ST – State Threatened, SWL – State Watch List

California Rare Plant Ranking (CRPR)
CRPR 1B Plants considered rare, threatened or endangered in California and elsewhere;
CRPR 4 Limited distribution, watch list.

While white-faced ibis was observed flying overhead during the site visit, it was determined that the sighting was an incidental occurrence likely associated with other larger bodies of water nearby. Besides white-faced ibis, no other special-status species were observed during the survey. Approximately 0.1 acre of marginal foraging habitat for white-faced ibis and marginal habitat for smooth tarplant exists in the study area. However, this habitat would be avoided by Proposed Project activities.

Open areas containing untilled agricultural lands and disturbed areas not abutting active roadways provide suitable foraging habitat for burrowing owls and coastal whiptail, although no owls or whiptails or either species' sign were observed during the survey. Many of the agricultural fields are actively tilled and are not likely suitable for foraging.

However, agricultural fields which contain row crops or grasses for grazing are suitable for foraging.

Because of the potential for burrowing owl and coastal whiptail within the Proposed Project area, focused protocol surveys for burrowing and pre-construction surveys for coastal whiptail would be required under **Mitigation Measures BIO-1** and **BIO-2** for construction of the EM-25 connection, flow control facility, chlorination treatment facility, and portions of the pipeline alignment installed in bare ground north of Esplanade Avenue. Additionally, all staging areas used for the Project would require implementation of Mitigation Measures BIO-1 and BIO-2 prior to use. The pipelines to be installed within the pavement of rights-of-ways do not require these mitigation measures. If burrowing owl is observed during the focused surveys and found to be potentially impacted by the Project, appropriate avoidance and mitigation measures will be required as outlined in Mitigation Measure BIO-1, which is based on the CDFW Staff Report on Burrowing Owl Mitigation (CDFW 2012). If coastal whiptail is observed during pre-construction surveys, construction Best Management Practices (BMPs) and Worker Environmental Awareness Program (WEAP) training be implemented during construction activities to avoid and minimize potential impacts to this species (Mitigation Measure BIO-2). With implementation of these measures, impacts to special-status species would be reduced to a less than significant level.

The habitat in the Proposed Project area is of low quality because of the amount of development, establishment and dominance of non-native plants, and ongoing agricultural and maintenance practices that occur. Nonetheless, vegetation that does occur in the Project area and especially along the proposed pipeline route (i.e., pine trees, Eucalyptus trees, cottonwood trees and landscaped plants) has the potential to provide nesting and foraging habitat for a variety of common bird species known to occur in urban environments that are protected under the federal and state law or code. The federal Migratory Bird Treaty Act (MBTA) (16 USC, Sec. 703, Supp. 1, 1989) prohibits killing, possessing, or trading in migratory birds, except in accordance with regulations prescribed by the Secretary of the Interior. Native birds, their eggs, and nests, are also protected by California Fish and Game (CFG) Code Sections 3500 and 3800, and thus impacts to native birds or their nests during the breeding season are potentially significant. However, the Project would be required to comply with the MBTA and CFG Code to reduce the potential for impacts to migratory birds. Additionally, implementation of measures to protect nesting birds as described under **Mitigation Measure BIO-3** would ensure that any potential impacts to nesting native or migratory birds would be reduced to less than significant.

Mitigation Measures

BIO-1: Focused Burrowing Owl Surveys. Focused protocol surveys for burrowing owl shall be conducted prior to construction of the EM-25 service connection, flow control facility, chlorination treatment facility, pipelines to be installed in bare undisturbed ground, and all staging areas used for the Project. The focused protocol surveys shall be conducted by a knowledgeable biologist following protocol outlined in the CDFW Staff

Report on Burrowing Owl Mitigation (CDFW 2012). If burrowing owl is observed during the focused surveys and found to be potentially impacted by the Proposed Project, additional avoidance and mitigation measures will be required. Avoidance measures include constructing Proposed Project facilities outside the breeding season, establishing a suitable buffer around an active burrow, restricting activities around certain times of year, and excluding and relocating owls. A Burrow Exclusion Plan approved by CDFW will be required to implement exclusion and relocation. Permanent impacts to land that previously contained burrowing owls may also require conservation of mitigation lands to offset the impact to burrowing owl and its habitat. The conservation of mitigation lands will be determined through consultation with CDFW.

BIO-2: Preconstruction Surveys. EMWD shall conduct pre-construction surveys for coastal whiptail to determine if this species is present within the areas to be used for the EM-25 service connection, flow control facility, chlorination treatment facility, pipelines to be installed in bare undisturbed ground, and all staging areas used for the Project. If this species is present, construction best management practices (BMPs) and Worker Environmental Awareness Program (WEAP) training shall be implemented during construction activities to avoid and minimize potential impacts to these species. Example BMPs to be implemented during construction include limiting vehicle speed onsite to 15 miles per hour, covering trenches and open pits, if trenches are left open adding wooden ramps in the trench to allow small mammals to escape, temporarily fencing work areas using silt fencing, and cleaning up all trash and debris daily. Additional avoidance measures may include establishing a buffer around the species an onsite monitoring should a population of a special-status species be found. Additionally, the WEAP training will be conducted by a knowledgeable biologist to identify species that could be impacted and summarize the construction BMPs to be implemented. Construction personnel will be instructed to not directly harm any special-status species onsite by halting activities until the species can move to offsite areas or contact a qualified biologist to move the species out of harm's way.

BIO-3: Nesting Birds. Construction of the Proposed Project shall avoid the general avian nesting season of February through August. If construction of Proposed Project facilities that contain or are immediately adjacent to suitable nesting habitat must occur during the general avian nesting season, a pre-construction clearance survey should be conducted within 10 days prior to the start of construction activities to determine if any active nests or nesting activity is occurring on or within 500 feet of the Proposed Project. If no sign of nesting activity is observed, construction may proceed without potential impacts to nesting birds.

If an active nest is observed during the pre-construction clearance survey, an adequate buffer should be established around the active nest depending on sensitivity of the species and proximity to Proposed Project impact areas. Typical buffer distances include up to 300-feet for passerines and up to 500-feet for raptors, but can be reduced as deemed appropriate by a monitoring biologist. Onsite construction monitoring may also be required to ensure that no direct or indirect impacts occur to the active nest. Proposed Project activities may encroach into the buffer only at the discretion of the monitoring biologist. The buffer should remain in place until the nest is no longer active as determined by the monitoring biologist.

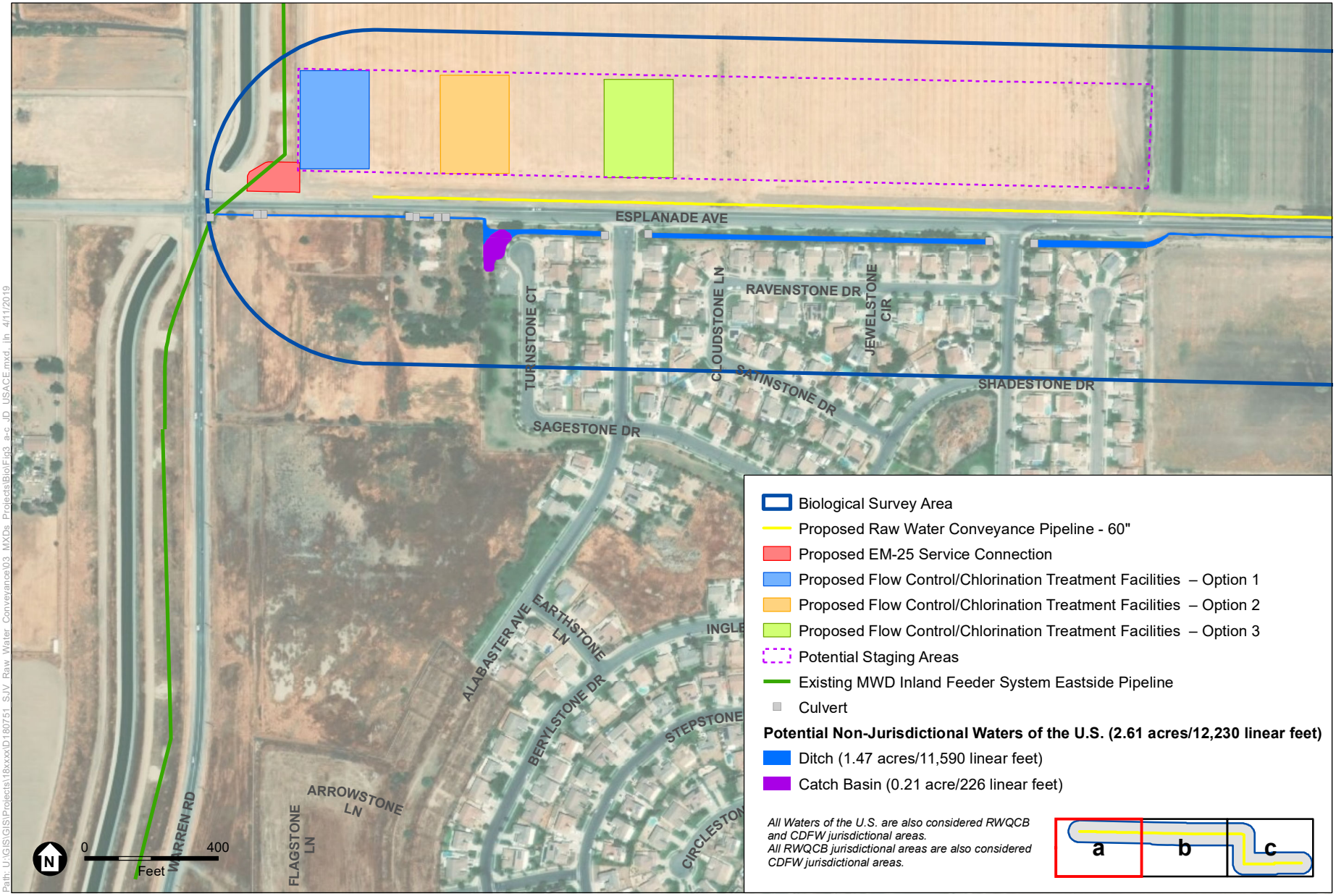
b) Based on the biological reconnaissance survey conducted for the Proposed Project (Appendix BIO) and as identified on Figure 2-3, the Project does not contain sensitive

natural communities identified in local or regional plans, policies, regulations, or by the CDFW or USFWS. No impacts would occur.

c) Wetlands, including swamps, bogs, seasonal wetlands, seeps, marshes, and similar areas, are defined by USACE as "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" (33 CFR 328.3[b]; 40 CFR 230.3[t]). Indicators of three wetland parameters (i.e., hydric soils, hydrophytic vegetation, and wetlands hydrology), as determined by field investigation, must be present for a site to be classified as a wetland by USACE. Additionally, non-wetland waters of the United States (U.S.) are identified by the ordinary high water mark as defined by the USACE as "…that line on the shore established by the fluctuations of water and indicated by physical characteristics such as clear, natural line impresses on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas." (33 CFR 328.3[e]).

Wetland waters of the U.S. were not observed in the Proposed Project area (**Figure 2-4a-c**). The Proposed Project includes construction of an outlet and flap gate in the San Diego Canal. The San Diego Canal was initially constructed in 1958-1959 by MWD and pre-dates the Clean Water Act 1977 amendments. Therefore, the canal is not likely considered by the USACE to be a non-wetland waters of the U.S. (see Appendix BIO for more information). Three other types of features were observed within the Proposed Project area including ephemeral ditches, catch basins, and an agricultural pond, which, according to the 2015 Clean Water Rule, are not waters of the U.S. The 2015 Clean Water Rule excludes the type of ditches, catch basins and the agricultural pond that occur within the Proposed Project area by rule as they are ephemeral ditches that are not a relocated tributary or excavated in a tributary, stormwater control features constructed on dry land, or an artificial irrigation pond, respectively. As a result, construction of the EM-25 service connection, and Options 1 through 3 for the flow control facility and chlorination treatment facility, the staging areas, as well as the pipeline alignment and appurtenant facilities, would not impact waters of the U.S., and no impacts to federal wetlands or non-wetland waters would occur.

Operation of the Project would not involve any activities that would impact potentially jurisdictional features. For water quality impacts see Section 2.10, *Hydrology and Water Quality*.



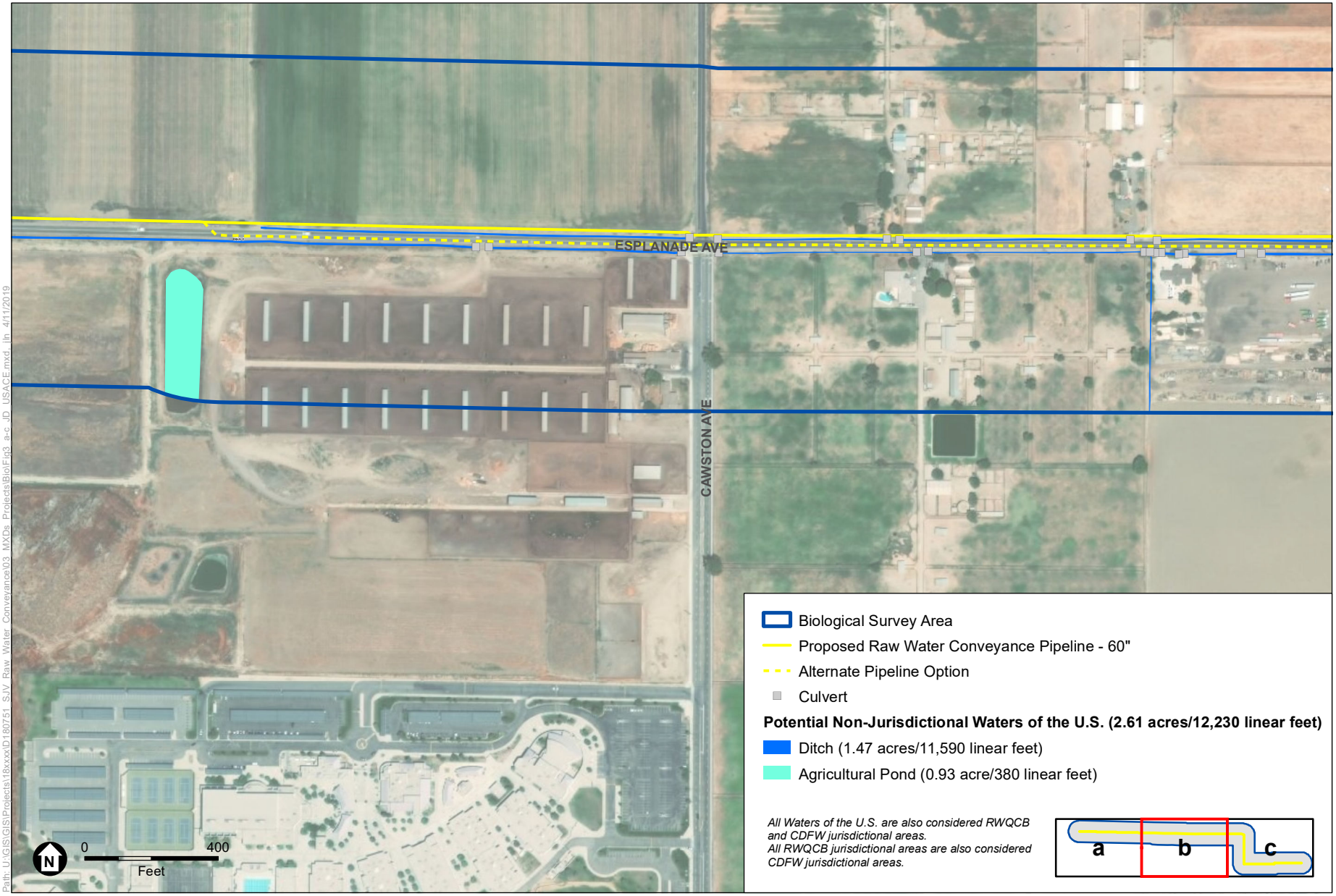
SOURCE: ESRI 2017

San Jacinto Valley Raw Water Conveyance

Figure 2-4a

Potential Non-Jurisdictional Waters of the U.S.

ESA



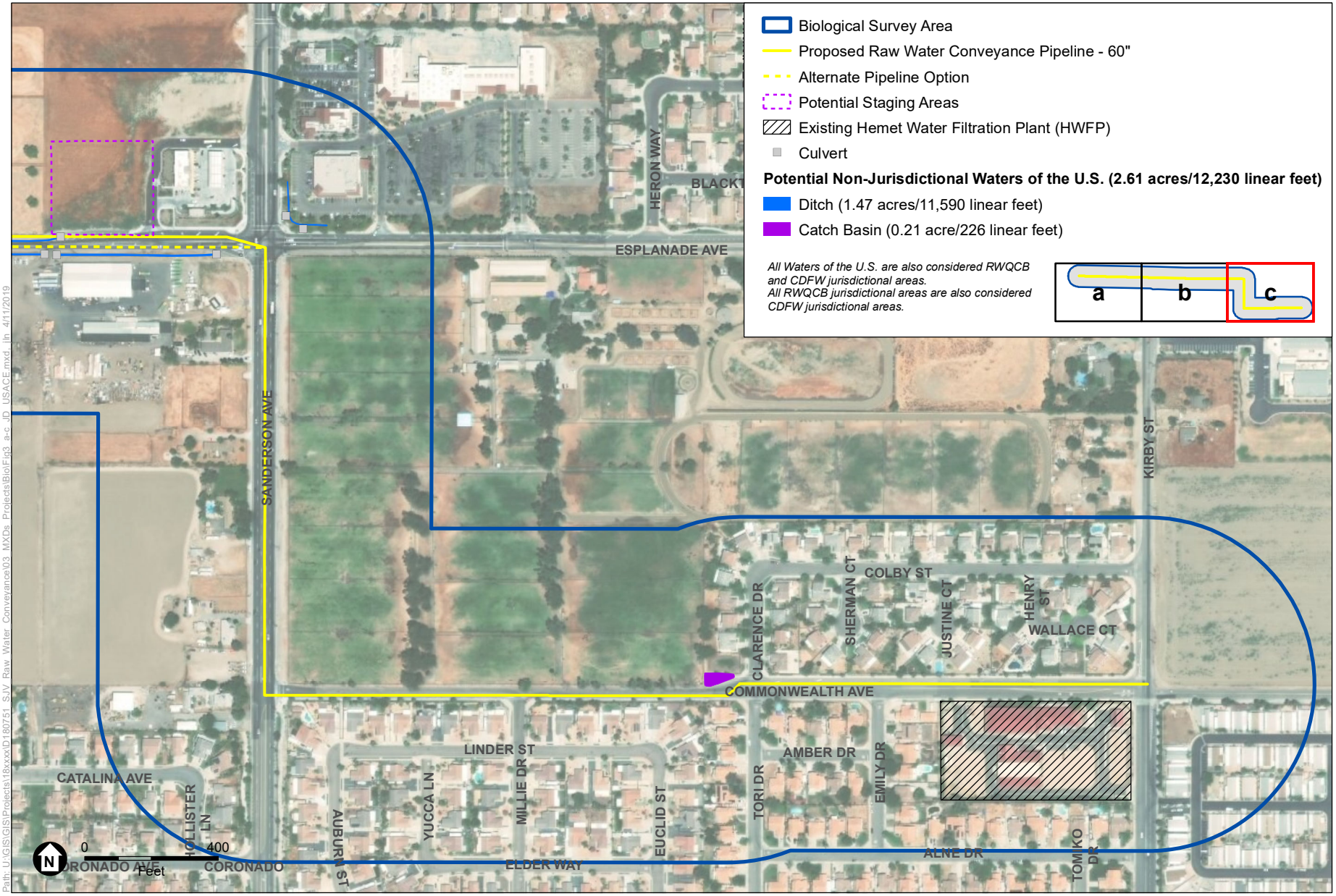
SOURCE: ESRI 2017

San Jacinto Valley Raw Water Conveyance

Figure 2-4b

Potential Non-Jurisdictional Waters of the U.S.

ESA



SOURCE: ESRI 2017

San Jacinto Valley Raw Water Conveyance

Figure 2-4c

Potential Non-Jurisdictional Waters of the U.S.

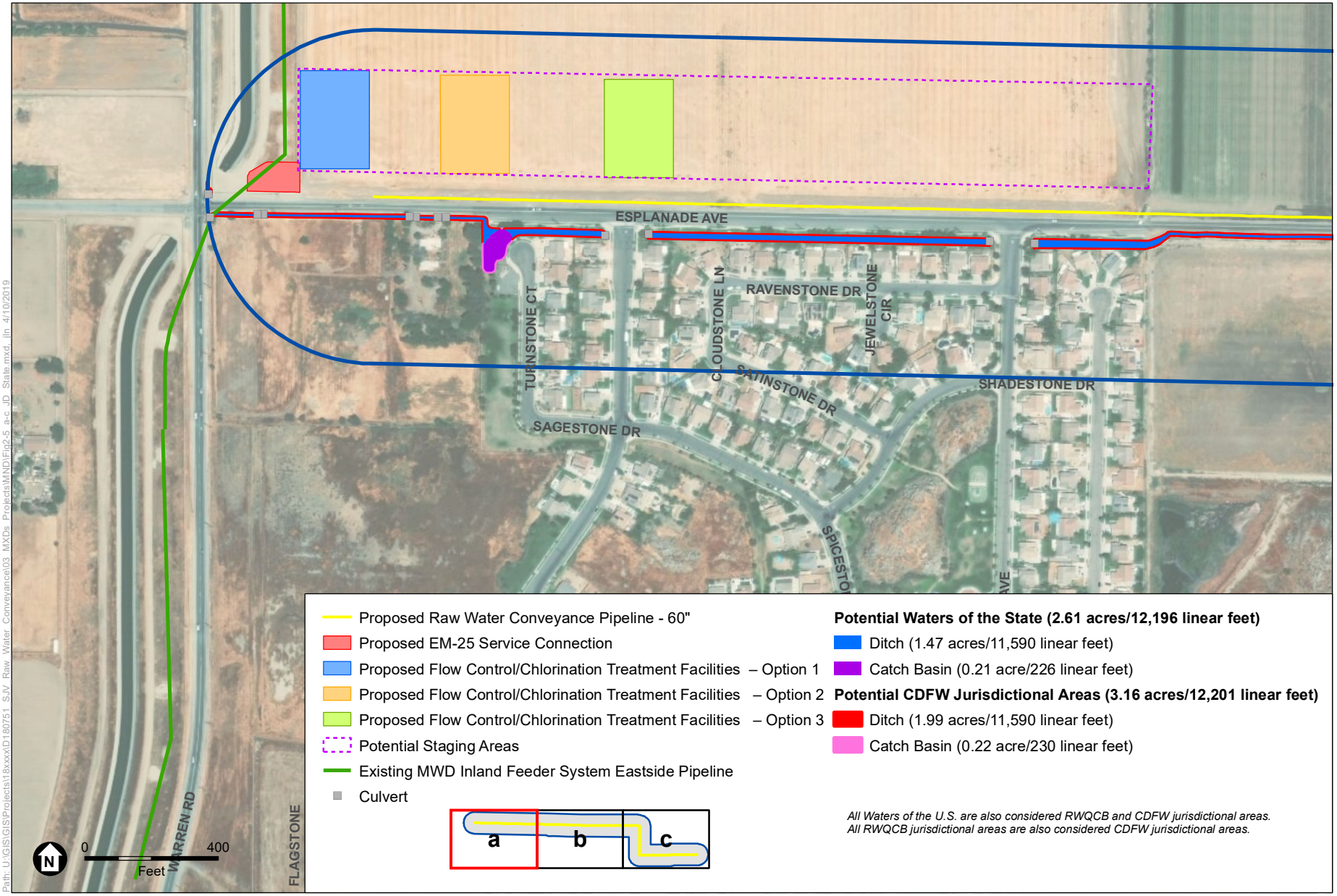
ESA

Wetland waters of the State were not observed in the Proposed Project area. Three types of potentially jurisdictional, non-wetland waters of the State were observed adjacent to or in the vicinity of the Proposed Project as shown on **Figures 2-5a-c**. These features include ditches, catch basins, and an agricultural pond that may be regulated by the Santa Ana RWQCB and/or CDFW. Ditches convey stormwater and urban runoff that flows off the roadway along the northern edge of Esplanade Avenue near where the pipeline alignment would be installed (see Figure 2-5b and 2-5c). The ditches are earthen bottomed and 2 to 5 feet wide. Flows within the ditches likely either seep back into the ground, flow into the catch basin south of Esplanade Ave and seep into the ground, or drain into Reflection Lake to the north. Any impact to non-wetland waters of the State would be considered a potentially significant impact. As currently proposed, the EM-25 service connection, Options 1 through 3 for the flow control facility and chlorination treatment facility, the staging areas, as well as the pipeline alignment and appurtenant, would avoid potentially jurisdictional waters of the State regulated by the Santa Ana RWQCB and CDFW. As a result, no impacts would occur during construction to State-designated jurisdictional waters.

The Proposed Project includes construction of an outlet and flap gate in the San Diego Canal. It is not anticipated that the Santa Ana RWQCB will regulate construction-related activities within the San Diego Canal since it is a constructed water conveyance facility that conveys raw unfiltered water from the State Water Project, and the Proposed Project activity would not impair water quality or beneficial uses. Further, since the canal is not a lake, river, stream, or drainage feature and does not support aquatic wildlife or sensitive natural communities, it is expected that the canal is not subject to regulation under Section 1602 of the Fish and Game Code by CDFW. Therefore, no impacts would occur during construction to State-designated jurisdictional waters.

Operation of the Project would not involve any activities that would impact potentially jurisdictional features. For water quality impacts see Section 2.10, *Hydrology and Water Quality*.

d) The Proposed Project is located within the City of San Jacinto and City of Hemet in an area that is surrounded by development and agricultural land. There are two disturbed areas along Esplanade Avenue that previously contained agricultural lands or developed areas and have not been recently maintained. Additionally, maintained, narrow roadside ditches occur along Esplanade Avenue. However, disturbed areas and roadside ditches are not contiguous and do not function as a corridor between two larger stands of habitat, which would constitute a wildlife corridor. The Project area does not include a suitable corridor for wildlife species to move from one area of undeveloped habitat to another. As a result, the Proposed Project would not interfere with a wildlife corridor or the movement/migration of wildlife in a corridor. Impacts would be less than significant.



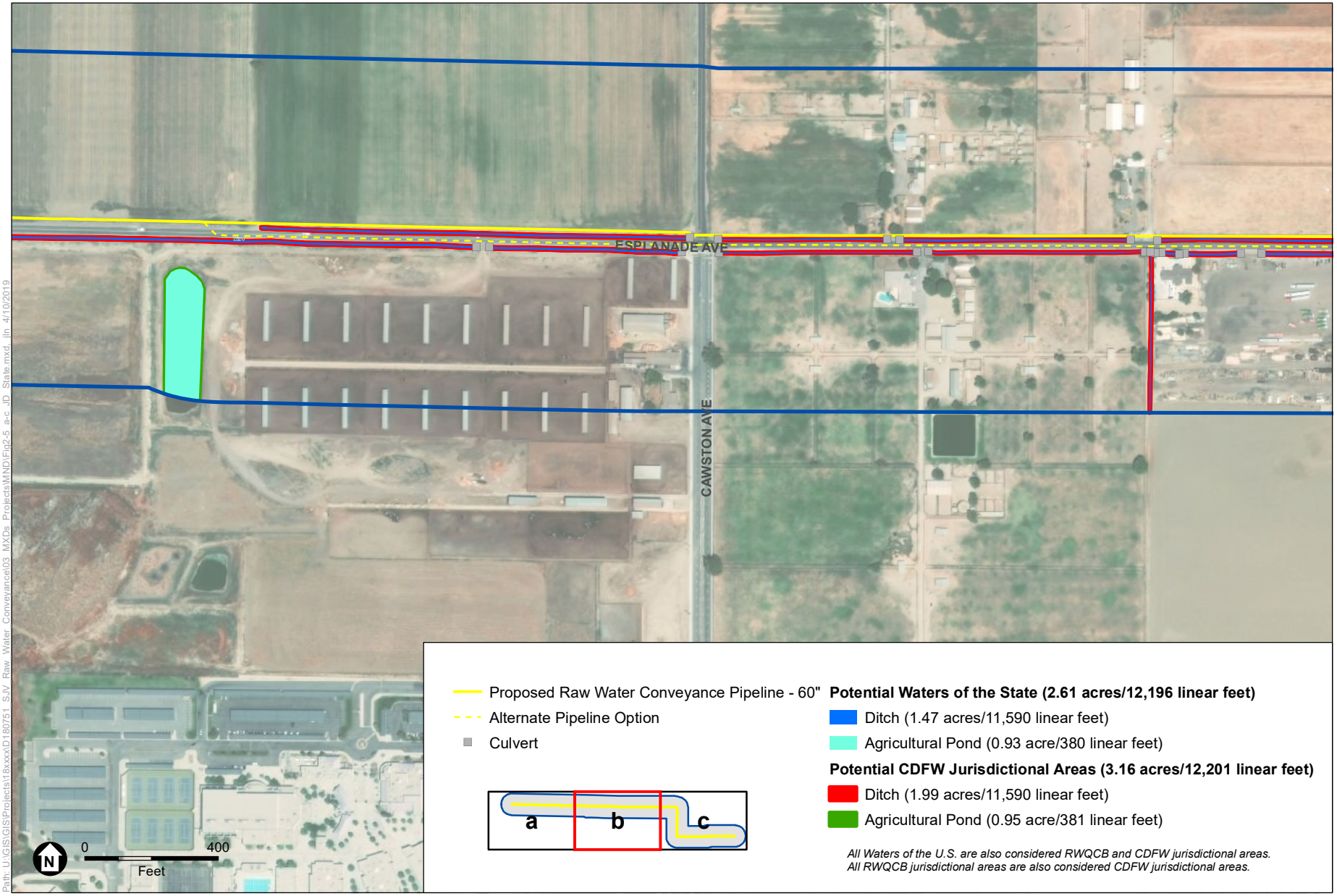
SOURCE: ESRI 2017

San Jacinto Valley Raw Water Conveyance

Figure 2-5a

Potential Waters of the State and CDFW Jurisdictional Areas

ESA



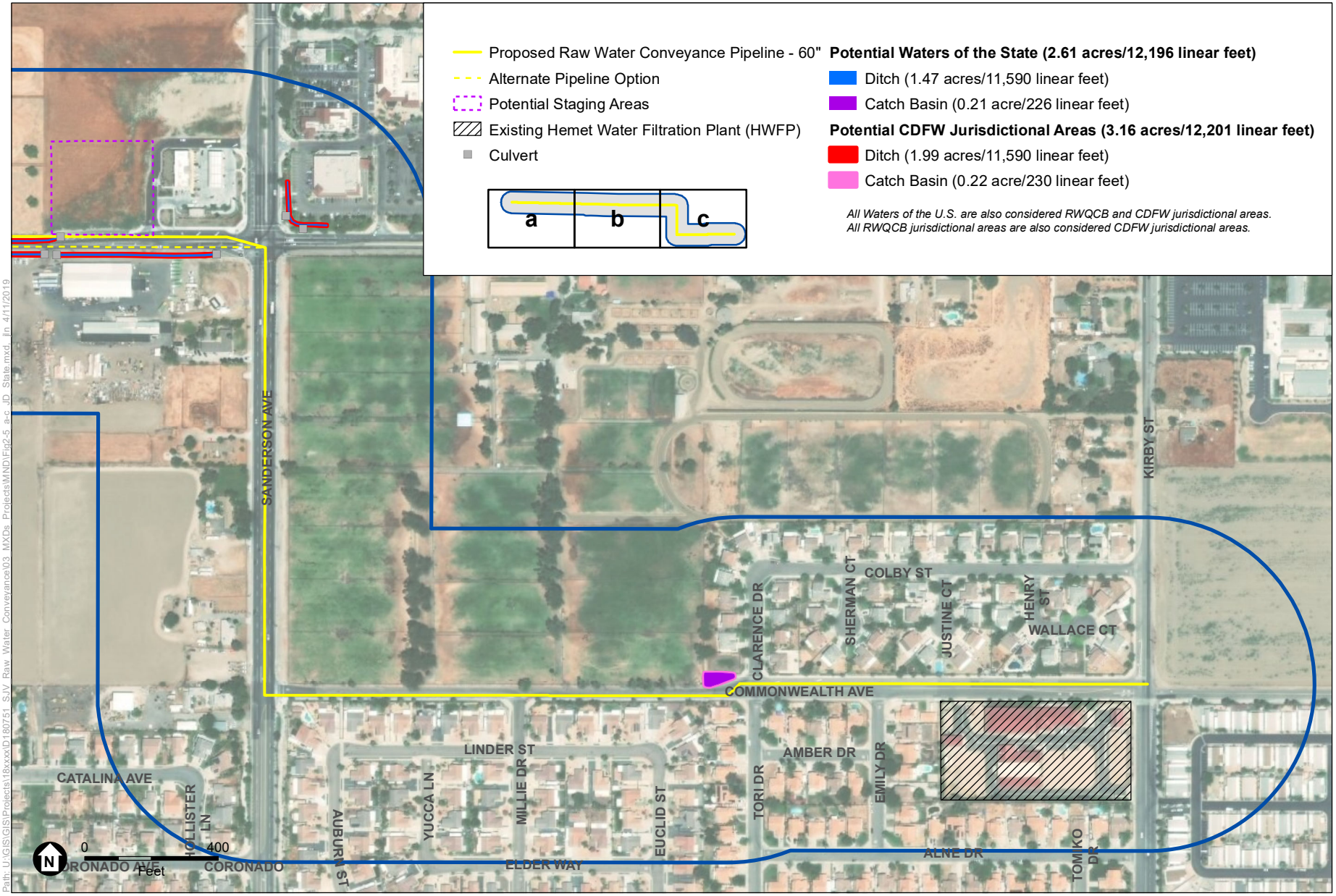
SOURCE: ESRI 2017

San Jacinto Valley Raw Water Conveyance

Figure 2-5b

Potential Waters of the State and CDFW Jurisdictional Areas

ESA



SOURCE: ESRI 2017

San Jacinto Valley Raw Water Conveyance

Figure 2-5c

Potential Waters of the State and CDFW Jurisdictional Areas

ESA

e) The Proposed Project is not located within an area under the influence of a local policy or ordinance protecting biological resources. No impact would occur.

f) The Proposed Project is located within the Western Riverside County Habitat Conservation Plan (MSHCP). EMWD is not a Participating Entity in the MSCHP and is not required to demonstrate Project consistency with the goals and provisions of the MSHCP as they pertain to biological resources. The Project does not occur within another Habitat Conservation Plan, Natural Community Conservation Plan (HCP/NCCP) or other approved local, regional, or State HCP. No impact would occur.

References

California Department of Fish and Wildlife (CDFW), 2012. Staff Report on Burrowing Owl Mitigation.

CDFW, 2018. California Natural Diversity Database (CNDDB) Commercial version, Information dated August 10, 2018. Rarefind 5 query results for Lakeview and surrounding USGS 7.5-minute quadrangles.

California Native Plant Society (CNPS), 2018. Inventory of Rare and Endangered Plants of California. Accessed August 7, 2018.

Google Earth Pro, 2017. Aerial imagery. Accessed June 14, 2017.

U.S. Fish and Wildlife Service (USFWS), 2018a. National Wetlands Inventory. Accessed August 7, 2018.

USFWS, 2018b. Critical Habitat Portal. Accessed on August 7, 2018 at http://ecos.fws.gov/crithab.

2.5 Cultural Resources

Issues (and Supporting Information Sources):		*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
5.	**CULTURAL RESOURCES — Would the project:**				
a)	Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	☐	☐	☐	☒
b)	Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☒	☐	☐
c)	Disturb any human remains, including those interred outside of formal cemeteries?	☐	☒	☐	☐

Discussion

The following evaluation is based on the findings provided in a Cultural Resources Assessment Report prepared by ESA in January 2019 (**Appendix CUL**; Vader et al. 2019). To support the assessment, a cultural resources survey was conducted on August 17, 2018.

a) Two historical resources, the San Diego Aqueduct System (P-33-015734) and the Braswell Property (P-33-015749), were identified within and adjacent to (within 100 feet of) the Proposed Project, respectively. The San Diego Aqueduct System has been previously recommended eligible for the National Register of Historic Properties (NRHP) and the California Register of Historical Resources (CRHR), and qualifies as a historical resource pursuant to CEQA. A residential structure associated with the Braswell Property has been previously recommended ineligible for listing in the NRHP and CRHR; however, it was recommended eligible for local listing and is considered a historical resource pursuant to CEQA. An analysis of the Proposed Project's potential to impacts to both resources concluded that neither will be subject to significant impacts (Vader et al. 2019). As a result, no impact would occur.

b) No archaeological resources have been identified within or immediately adjacent to the Proposed Project area. However, the Project area is considered highly sensitive for the presence of prehistoric subsurface archaeological deposits based on the following factors: its proximity to known prehistoric sites (five prehistoric resources have been documented within a 0.5-mile radius); the presence of Holocene-age alluvium underlying the Project area, which is contemporaneous with prehistoric human occupation; and a Sacred Lands File (SLF) search conducted by the California Native American Heritage Commission (NAHC) indicates the presence of Native American resources in the area (Vader et al. 2019). Project construction would include excavations extending to depths of up to 18 feet. These actions have the potential to encounter buried prehistoric archaeological deposits. Should prehistoric archaeological deposits be identified during Project construction, the Soboba Band of Luiseño Indians has recommended that they be reburied on site or in the vicinity of the Project area as described below in Section 2.18, *Tribal Cultural Resources*. As such, implementation of the Proposed Project could cause a substantial adverse change in the significance of an archaeological resource. With the

incorporation of **Mitigation Measures CUL-1** through **CUL-5**, impacts to archaeological resources would be reduced to a less than significant level.

Mitigation Measures

CUL-1: Retention of Qualified Archaeologist. Prior to the start of any ground disturbing activities, a qualified archaeologist, defined as an archaeologist meeting the Secretary of the Interior's Standards for professional archaeology (U.S. Department of the Interior 2008) shall be retained by EMWD to carry out all mitigation measures related to cultural resources.

CUL-2: Cultural Resources Sensitivity Training. Prior to start of any ground-disturbing activities, the qualified archaeologist shall conduct cultural resources sensitivity training for all construction personnel associated with the Project. Construction personnel shall be informed of the types of cultural resources that may be encountered during construction, and of the proper procedures to be enacted in the event of an inadvertent discovery of archaeological resources or human remains. EMWD shall ensure that construction personnel are made available for and attend the training and retain documentation demonstrating attendance

CUL-3: Construction Monitoring. An archaeological monitor (working under the direct supervision of the qualified archaeologist) and a Native American monitor shall observe all ground-disturbing activities, including but not limited to brush clearance, vegetation removal, grubbing, grading, and excavation. The qualified archaeologist, in coordination with EMWD and the Native American monitor(s), may reduce or discontinue monitoring if it is determined that the possibility of encountering buried archaeological deposits is low based on observations of soil stratigraphy or other factors. Archaeological monitoring shall be conducted by an archaeologist familiar with the types of archaeological resources that could be encountered within the Project area. The Native American monitor shall be from a tribe that is culturally and geographically affiliated with the Project area (according to the California Native American Heritage Commission's contact list for this Project). The archaeological and Native American monitor(s) shall be empowered to halt or redirect ground-disturbing activities away from the vicinity of a discovery until the qualified archaeologist has evaluated the discovery and determined appropriate treatment (as prescribed in CUL-4). The archaeological monitor shall keep daily logs detailing the types of activities and soils observed, and any discoveries. After monitoring has been completed, the qualified archaeologist shall prepare a monitoring report that details the results of monitoring. The report shall be submitted to EMWD and any Native American groups who request a copy. The qualified archaeologist shall submit a copy of the final report to the California Historic Resources Information System (CHRIS) Eastern Information Center (EIC).

CUL-4: Unanticipated Discoveries. In the event of the unanticipated discovery of archaeological materials, all work shall immediately cease in the area (within approximately 100 feet) of the discovery until it can be evaluated by the qualified archaeologist. Construction shall not resume until the qualified archaeologist has conferred with EMWD, and the appropriate Native American representatives for prehistoric resources, on the significance of the resource.

If it is determined that the discovered archaeological resource constitutes a historical resource or a unique archaeological resource under CEQA, avoidance and preservation in

place is the preferred manner of mitigation. Preservation in place may be accomplished by, but is not limited to, avoidance, incorporating the resource into open space, capping, or deeding the site into a permanent conservation easement. In the event that preservation in place is demonstrated to be infeasible and data recovery through excavation is the only feasible mitigation available, an Archaeological Resources Treatment Plan shall be prepared and implemented by the qualified archaeologist in consultation with EMWD that provides for the adequate recovery of the scientifically consequential information contained in the archaeological resource. The qualified archaeologist and EMWD shall consult with appropriate Native American representatives in determining treatment for prehistoric or Native American resources to ensure cultural values ascribed to the resource, beyond those that are scientifically important, are considered.

CUL-5: Artifact Disposition. Prior to the start of Project construction, EMWD shall execute an agreement with the Soboba Band of Luiseño Indians regarding the final disposition and reburial of inadvertently discovered prehistoric/Native American artifacts that are culturally relevant to the tribe. The agreement shall identify a mutually acceptable location in the vicinity of the Project area on EMWD-owned land where these types of artifacts will be reburied in perpetuity. The location shall be kept confidential and shall not be subject to further disturbance and filed with the California Native American Heritage Commission's Sacred Lands File. The agreement shall only be applicable to prehistoric artifacts and/or features that are not associated with inhumations and/or grave goods, the treatment of which is subject to California State law as prescribed in Mitigation Measure CUL-6. Prior to reburial, the treatment and reporting of significant discoveries shall be conducted in accordance with Mitigation Measure CUL-3, which will document the location of the discoveries as well as their reburial location in the monitoring report which will be filed with the Eastern Information Center. Prior to the reburial of the inadvertent discoveries, the qualified archaeologist shall be allowed an adequate amount of time to collect the scientifically consequential information associated with the discoveries prior to their reburial.

c) There is no indication that the Proposed Project area has been used for human burial purposes in the recent or distant past; however, the known prehistoric activity in the area and the general sensitivity of the area for buried prehistoric resources means that there is a possibility of uncovering human remains during Project implementation. In the event that human remains are discovered during Project construction, including those interred outside of formal cemeteries, the human remains could be inadvertently disturbed, which could be a significant impact. With the incorporation of **Mitigation Measures CUL-6**, impacts to human remains would be reduced to a less than significant level.

Mitigation Measures

CUL-6: **Human Remains.** If human skeletal remains are uncovered during implementation of the Project, EMWD shall immediately halt work and contact the Riverside County coroner to determine whether the remains are human. If the County Coroner determines that the remains are Native American, they shall contact the NAHC, as required by law. The NAHC shall then identify the person(s) thought to be the Most Likely Descendant (MLD) of the deceased Native American, who will then help determine what course of action should be taken in dealing with the remains. EMWD shall ensure that the immediate vicinity where the Native American human remains are

located is not damaged or disturbed by further development activity until the landowner has discussed and conferred with the MLD regarding their recommendations.

References

Vader, Michael, Katherine Cleveland, and Chris Lockwood. 2019. San Jacinto Raw Water Conveyance Facilities Project – Cultural Resources Assessment Report. Prepared for the Eastern Municipal Water District by Environmental Science Associates.

2.6 Energy

Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
6. ENERGY — Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

Discussion

In accordance with the requirements under CEQA, this section provides an estimate of energy consumption for the Project and the potential impacts from associated construction and operational activities. Supporting documentation of the energy calculations provided in this section are included in Appendix AQ of this IS/MND.

The evaluation of the Proposed Project's potential impacts related to energy usage include electricity, natural gas, and transportation fuel. Energy consumption during construction and operation is assessed. The Project's estimated energy consumption was calculated using the CalEEMod Version 2016.3.2 and spreadsheet calculations to determine transportation fuel consumption. Energy consumption associated with the supply and conveyance of water used for dust control as well as electricity used for powering lighting, electronic equipment, and other construction activities is assumed to be negligible and therefore only electrical consumption from operational activities is discussed. Additionally, the construction and operational activities would not include natural gas usage. Therefore, this analysis is limited to a discussion of transportation energy and electricity associated with construction and operation of the Proposed Project.

a) The Proposed Project would use energy during construction and operation. For construction, electricity would be used for construction lighting and electrically driven construction devices such as air compressors, pumps and other equipment. The primary energy demand during construction would be associated with the short-term and temporary use of gasoline- and diesel-powered mobile construction equipment. The estimated Project fuel consumption and comparison to existing (2017) state and county usage are provide in **Table 2-9**. The total combined use of gasoline- and diesel-powered mobile construction equipment would be less than 0.01 percent of the overall state usage and approximately 0.06 percent of the Riverside County usage in 2017, therefore the increased demand from the Proposed Project would not require regional or local capacity increases. Mobile equipment used onsite would be limited by California law to a maximum of 5 minutes of idling time per location. The Project would use no more energy than is necessary to provide additional raw water conveyance facilities and increase water supply reliability during droughts and emergencies. As a result, construction of the Project would not result in wasteful, inefficient, or unnecessary consumption of energy resources. Impacts would be less than significant.

TABLE 2-9
ESTIMATED PROJECT CONSTRUCTION FUEL CONSUMPTION

	Total Project Fuel Consumption (gallons)	
	Diesel	**Gasoline**
Total Project	81,404	5,266
State Usage[a,b]	3,089,833,627	15,540,154,774
% State Usage	<0.01%	<0.01%
Riverside County Usage[c]	128,000,000	921,000,000
% County Usage	0.06%	<0.01%

Source: Refer to Appendix AQ

[a] CEC 2018a.
[b] CEC 2018b.
[c] CEC 2018c.

The primary energy demand during operational activities would be associated with the use of gasoline- and diesel-powered mobile vehicles, and electrical consumption of onsite equipment. Electrical consumption is detailed in Section 1.7, Energy Consumption, and would result in the consumption of 355,000 kWh/year of electricity. Additionally, to operate the facilities a low-voltage (480-volt) SCE electrical service line would be required to connect the facility to the existing SCE infrastructure. The estimated Project consumption and comparison to existing (2017) state and county usage and the SCE usage (2018) are provide in **Table 2-10**. The total combined use of gasoline- and diesel-powered mobile vehicles would be less than 0.01 percent of the overall state and Riverside County usage in 2017. The electrical consumption during operation would also result in less than 0.01 percent of SCE's usage in 2017.

TABLE 2-10
ESTIMATED PROJECT OPERATIONAL ENERGY CONSUMPTION

	Total Project Fuel Consumption (gallons)		Project Electrical Consumption
	Diesel	**Gasoline**	**GWh/yr**
Total Project	9.83	112.8	0.36
Riverside County Usage[a]	128,000,000	921,000,000	15,906
% County Usage[b]	<0.01%	<0.01%	<0.01%
Southern California Energy (SCE) Usage[c]	NA	NA	84,292
% SCE Usage	NA	NA	<0.01%

Source: Refer to Appendix AQ
[a] CEC 2018c.
[b] CEC 2016.
[B] CEC 2017.

Additionally, mobile vehicles used onsite during operation would be limited by California law to a maximum of 5 minutes of idling time per location. As shown in Table 2-10, implementation of the Project would result in minimal long term energy consumption, and would not result in the wasteful, inefficient, or unnecessary consumption of energy. Because there is minimal energy consumption, and operational vehicles would not be allowed to indiscriminately idle, impacts would be less than significant.

b) The Proposed Project would be constructed and operated in a manner that is consistent with relevant and applicable energy conservation plans designed to encourage development that results in the efficient use of energy resources. In compliance with the Riverside County Climate Action Plan, construction activities would incorporate recycling and waste reduction strategies designed to limit the amount of waste going to the landfill. The CALGreen code for construction material recycling and waste management would also be implemented during Project construction activities. As a result, the Project would not conflict with applicable Riverside County Climate Action Plan or CALGreen code construction recycling and waste management requirements. The Proposed Project would also be required to demonstrate compliance with applicable CARB regulations restricting the idling of heavy-duty diesel motor vehicles and governing the accelerated retrofitting, repowering, or replacement of heavy-duty diesel on- and off-road equipment during construction and operation. CARB has adopted an Airborne Toxic Control Measure to limit heavy-duty diesel motor vehicle idling in order to reduce public exposure to diesel particulate matter and other toxic air contaminants. The measure prohibits diesel-fueled commercial vehicles greater than 10,000 pounds from idling for more than 5 minutes at any given time during construction and operation. The Proposed Project would also not conflict with the implementation of the Southern California Association of Government's Regional Transportation Plan/Sustainable Communities Strategy as it does not promote housing or job growth. As the Project is bound by local, regional, and statewide regulations regarding energy use and equipment during construction and operation, it is not anticipated the Proposed Project would conflict with energy efficiency policies or standards related to renewable energy or energy efficiency. Impacts would be less than significant.

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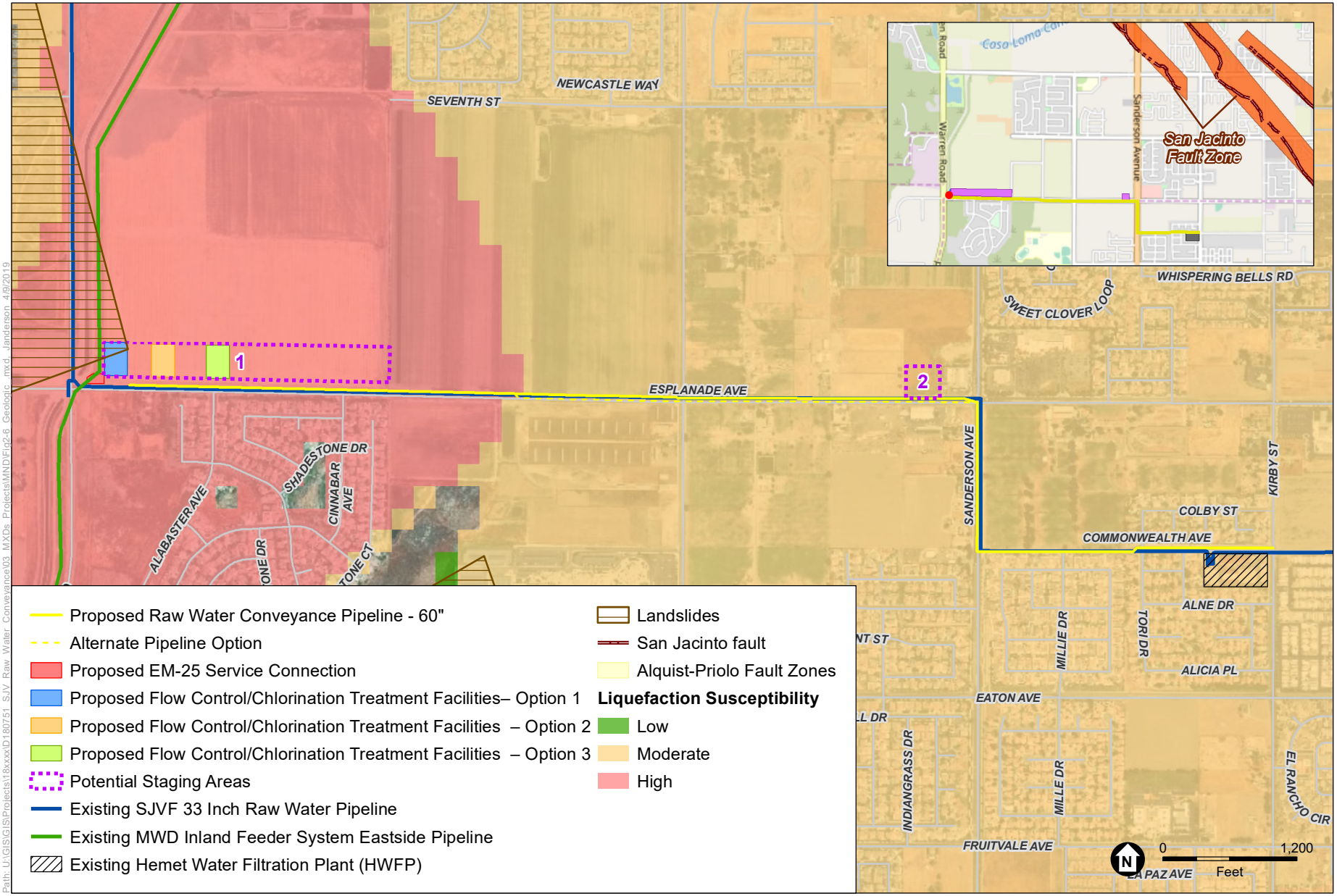
2.7 Geology, Soils, and Seismicity

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
7. GEOLOGY and Soils — Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? (Refer to Division of Mines and Geology Special Publication 42.)	☐	☐	☐	☒
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☒	☐	☐
iv) Landslides?	☐	☐	☒	☐
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	☐	☐	☒	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☒	☐	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐

Discussion

a.i) The Alquist-Priolo Earthquake Fault Zoning Act requires the delineation of zones along active faults in California. The nearest potentially active fault mapped in accordance with the Alquist-Priolo Earthquake Fault Zoning Act is the San Jacinto Fault Zone (Casa Loma Segment and Claremont Segment), located approximately 1.2 miles east of the easternmost terminus of the proposed raw water pipeline alignment and approximately 3 miles east of the flow control and chlorination treatment facilities (see **Figure 2-6**). Due to the distance from the nearest Alquist-Priolo Earthquake Fault Zone to the Project area, the potential for surface fault rupture is unlikely. In addition, construction of the proposed Project would be designed in accordance with EMWD's Engineering Standards and Specifications, which would help ensure structural resiliency should an earthquake occur within the Proposed Project area. Therefore, there would be no impact associated with rupture of a known earthquake fault.



SOURCE: Mapbox; ESRI; Riverside County; USGS

San Jacinto Valley Raw Water Conveyance

Figure 2-6

Seismic and Geologic Hazards

ESA

a.ii) In general, Southern California is a seismically active area, with most locations in proximity to faults that can produce detectable seismic ground shaking. As described above, some of the Project components are located approximately 1.2 miles away from the nearest Alquist-Priolo fault zone. Peak ground acceleration (PGA), expressed as a percentage of gravity (%g), is a method of measuring ground shaking used primarily for formulating building codes and for designing buildings (CDOC 2017). Maps have been developed that show the PGA values that have a probability of being exceeded in a particular time period (typically 10 percent in 50 years) (USGS 2017). The proposed flow control and chlorination treatment facilities would be located in an area with PGA values of up to 40%g and the eastern portion of the raw water pipeline would have PGA values of up to 60%g (ArcGIS 2016). As such, all Project components would likely be subject to strong seismic ground shaking in a substantive seismologic event. However, the Proposed Project facilities would be designed per EMWD's Engineering Standards and Specifications that would ensure structural resiliency. Therefore, the potential for structural damage due to seismic ground shaking would be less than significant.

a.iii) Liquefaction is a phenomenon where unconsolidated and/or near saturated soils loses cohesion and are converted to a fluid state as a result of severe vibratory motion. The relatively rapid loss of soil cohesion during strong earthquake shaking results in the temporary fluid-like behavior of the soil. Liquefaction occurs primarily in saturated, loose, fine- to medium-grained soils in areas where the groundwater table is within approximately 50 feet of the surface. Groundwater in the Project area is anticipated to be approximately 150 feet below ground surface, although perched groundwater may be found at higher elevations (HDR 2018). As shown on Figure 2-6, the western portion of the raw water pipeline, the flow control facility, chlorination treatment facility, and EM-25 service connection are located in an area of high liquefaction potential as identified by Riverside County. The remainder of the eastern portion of the raw water pipeline is located in an area of moderate liquefaction potential. In accordance with **Mitigation Measure GEO-1**, a soils and geotechnical report would be prepared for all Project facilities with potential to encounter shallow groundwater. The geotechnical report will determine whether liquefaction risk exists and provide recommendations for materials and design that shall be incorporated into the specifications for each Project facility. Additionally, all Project components would be designed in accordance EMWD's Engineering Standards and Specifications that would ensure structural resiliency in the event of an earthquake and subsequent ground instability, including liquefaction. With implementation of Mitigation Measure GEO-1, impacts would be less than significant.

Mitigation Measures

GEO-1: Soils Reports and Geotechnical Investigation. A soils report and geotechnical investigation report shall be prepared by a California licensed geotechnical engineer for the Project facilities with potential to encounter shallow groundwater or expansive soils. These reports shall evaluate various geotechnical characteristics including existing liquefaction risk, expansive soils, and soil stability, and whether the operation of Project facilities would exacerbate an existing risk of liquefaction or soil instability or create a new risk. The reports and evaluation shall provide recommendations for Project design per these findings and recommendations shall be incorporated into facility design.

a.iv) As shown in Figure 2-6, Option 1 for the flow control facility and chlorination treatment facility and the EM-25 service connection would pass through State-identified areas of landslide risk. The raw water pipeline and Options 2 and 3 for the flow control and chlorination treatment facilities would be located outside of the landslide area. Because the EM-25 service connection would be installed belowground, and the existing grade would be restored following installation, this facility would not be exposed to the adverse risks of landslides on the ground surface, nor add to the landslide risk of the area. The flow control facility and chlorination treatment facility include aboveground structures (up to 12 feet above ground surface). While a small portion of these facilities would be constructed within a landslide risk area, the area is flat and would not contribute to landslide risk in adjacent areas. And as no permanent workers are associated with the facilities, no risk of life or severe property damage are expected in case of a landslide. These facilities would also be designed in accordance with EMWD's Engineering Standards and Specifications, which would help ensure structural resiliency should a landslide occur within the Proposed Project area. As a result, impacts would be less than significant.

b) Construction of the Project components would require ground-disturbing activities such as grading and excavation, which would expose and disturb surface soils. Soil exposed by construction activities could be subject to erosion if exposed to heavy rain, winds, or other storm events. The Proposed Project would require a National Pollution Discharge Elimination System (NPDES) Construction General Permit because the Project would disturb at least one acre of soil. A Project-specific Stormwater Pollution Prevention Plan (SWPPP) would be prepared in compliance with the Construction General Permit. The SWPPP would identify erosion control and sediment control BMPs that would be implemented to minimize the occurrence of soil erosion or loss of topsoil. Once construction is completed, all pipeline alignments and the flow control and chlorination treatment facilities would be returned to pre-Project conditions and would be fully paved, with no soil stockpiles remaining. Therefore, impacts associated with erosion of soils would be considered less than significant.

c) Landslide impacts were addressed in Section 2.7(a.iv) above. Lateral spreading impacts is directly related to liquefaction and were addressed in Section 2.7(b). Expansive soil impacts are addressed in Section 2.7(d) below. The following analysis addresses impacts related to soil instability that results in subsidence or collapse.

All of the Project components would be situated within an area of documented subsidence (Riverside County 2016). Subsidence could occur naturally based on geological movement of the San Jacinto fault, and/or become exacerbated by the extraction of groundwater in and around the Project area. Impacts of subsidence could include damage to new facilities and infrastructure, which would inhibit operation. However, the proposed Project facilities would convey water to recharge facilities and would not include activities that would contribute to or exacerbate subsidence in the Project area. As a result, impacts on subsidence would be less than significant.

d) Expansive soils are predominantly comprised of clays, which expand in volume when water is absorbed and shrink when the soil dries. Expansion is measured by shrink-swell potential, which is the volume change in soil with a gain in moisture. Soils with a moderate to high shrink-swell potential can cause damage to roads, buildings, and infrastructure (USDA 2018). The Proposed Project components would be located in areas where soils consist of alluvial deposits, with silty sands and clays in loose to medium dense condition (HDR 2018), which are characterized as expansive soils. Expansive soils could shrink and swell causing damage to Project facilities including cracking of rigid structures. Implementation of Mitigation Measure GEO-1 would provide for the identification of expansive soils as part of a geotechnical investigation. If expansive soils are identified, the geotechnical investigation will include recommendations for materials and design to mitigate potential for infrastructure damage to occur, such as pipeline rupture. Such recommendations shall be incorporated into the design specifications for Project facilities. In addition, conveyance facilities would be designed in accordance with EMWD's Engineering Standards and Specifications, which would ensure structural resiliency and would also help mitigate the effects of soil expansiveness. As such, impacts would be less than significant with the implementation of Mitigation Measure GEO-1.

Mitigation Measures

Implement Mitigation Measure GEO-1.

e) The Proposed Project facilities would not include the construction or operation of any septic tanks or alternative water disposal system. No impact would occur.

f) A paleontological database search conducted by the Natural History Museum of Los Angeles County (LACM) indicates that the Project area is underlain by younger Quaternary alluvium, and no vertebrate paleontological localities are within or adjacent to the Proposed Project (McLeod 2015). However, vertebrate fossils including specimens of horse (*Equus*), mammoth (*Mammuthus*), and bison (*Bison*) have been recovered from nearby sediments that are somewhat similar to those presumably underlying the Project (McLeod 2015). Although the Project area is entirely underlain by recently deposited Quaternary alluvium (Qa), there are outcrops of Pleistocene Quaternary older alluvium (Qoa) less than 1,000 feet from the Project's western end. These Pleistocene sediments have yielded numerous scientifically significant paleontological resources throughout southern California, including almost 100,000 specimens recovered during the construction of Diamond Lake Reservoir, located 5 miles south of the Project, which were salvaged from deposits of Pleistocene alluvium as shallow as 2.5 feet below the surface (Springer et al. 2009; PaleoSolutions 2013). The younger Quaternary alluvium underlying the Project may be underlain at unknown depths by Pleistocene Quaternary older alluvium. Fossil specimens have been recovered from these Pleistocene deposits at depths as shallow as 2.5 feet within 5 miles of the Project area. Project construction would include excavations extending to depths of up to 18 feet. These actions have the potential to encounter Pleistocene deposits which may contain paleontological resources. As such, Project implementation could directly or indirectly destroy a unique

paleontological resource or unique geologic feature. With the incorporation of **Mitigation Measures GEO-2** through **GEO-4**, impacts to paleontological resources would be reduced to a less than significant level.

Mitigation Measures

GEO-2: **Paleontological Monitoring.** Prior to the start of earth moving activities, EMWD shall retain a Qualified Paleontologist defined as one meeting SVP standards (Society for Vertebrate Paleontology 2010) to attend any pre-grade construction meetings to determine when and where excavations will occur below a depth of 3 feet below the existing ground surface. Working with EMWD and the construction crew, the Qualified Paleontologist shall determine a paleontological monitoring schedule.

The Qualified Paleontologist, or a paleontological monitor working under the direct supervision of the Qualified Paleontologist, shall monitor all ground-disturbing activity below a depth of 3 feet below the existing ground surface. The location, duration, and timing of monitoring shall be determined by the Qualified Paleontologist designated for the Project in consultation with the EMWD and shall be based on a review of geologic maps and grading plans. During the course of monitoring, if the Qualified Paleontologist can demonstrate based on observations of subsurface conditions that the level of monitoring should be reduced, increased, or discontinued, the paleontologist, in consultation with EMWD may adjust the level of monitoring, as warranted.

GEO-3: Paleontological Sensitivity Training. Prior to start of earth moving activities, the Qualified Paleontologist shall conduct pre-construction worker paleontological resources sensitivity training. This training shall include information on what types of paleontological resources could be encountered during excavations, what to do in case an unanticipated discovery is made by a worker, and laws protecting paleontological resources. All construction personnel shall be informed of the possibility of encountering fossils and instructed to immediately inform the construction foreman or supervisor if any bones or other potential fossils are unexpectedly unearthed in an area where a paleontological monitor is not present.

GEO-4: Unanticipated Paleontological Discovery. In the event of unanticipated discovery of paleontological resources when a paleontological monitor is not present, the contractor shall cease ground-disturbing activities within 50 feet of the find until it can be assessed by the Qualified Paleontologist. The Qualified Paleontologist shall assess the find, implement recovery and reporting measures, if necessary, and determine if paleontological monitoring is warranted once work resumes.

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2.8 Greenhouse Gas Emissions

Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
8. GREENHOUSE GAS EMISSIONS — Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b) Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

Discussion

"Global warming" and "global climate change" are the terms used to describe the increase in the average temperature of the earth's near-surface air and oceans since the mid-20th century and its projected continuation. According to the Intergovernmental Panel on Climate Change (IPCC) warming of the climate system is now considered unequivocal (IPCC 2007). Natural processes and human actions have been identified as the causes of this warming. The IPCC has concluded that variations in natural phenomena such as solar radiation and volcanoes produced most of the warming from pre-industrial times to 1950 and had a small cooling effect afterward. After 1950, increasing greenhouse gas (GHG) concentrations resulting from human activity such as fossil fuel burning and deforestation are believed to be responsible for most of the observed temperature increase. Increases in GHG concentrations in the earth's atmosphere are thought to be the main cause of human-induced climate change. Certain gases in the atmosphere naturally trap heat by impeding the exit of solar radiation that is reflected back into space after striking the earth. This is sometimes referred to as the "greenhouse effect," and the gases that cause it are called "greenhouse gases." Some GHGs occur naturally and are necessary for keeping the earth's surface inhabitable. However, increases in the concentrations of these gases in the atmosphere during the last 100 years have decreased the amount of solar radiation that is reflected back into space, intensifying the natural greenhouse effect and increasing average global temperatures.

State law defines GHGs as carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6). When concentrations of these gases exceed natural concentrations in the atmosphere, the greenhouse effect may be intensified. CO_2, CH_4 and N_2O occur naturally, and through human activity. Emissions of CO_2 are largely by-products of fossil fuel combustion, whereas CH_4 results from off-gassing[2] associated with agricultural practices and landfills. Other human-generated GHGs include fluorinated gases such as HFCs, PFCs and SF_6, which have much higher heat-absorption potential than CO_2, and are byproducts of certain industrial processes.

CO_2 is the reference gas for climate change because it is the predominant GHG emitted. The effect that each of the aforementioned gases can have on global warming is a combination of the mass of their emissions and their global warming potential (GWP). GWP indicates, on a pound-

[2] Off-gassing is defined as the release of chemicals under normal conditions of temperature and pressure.

for-pound basis, how much a gas contributes to global warming relative to how much warming would be caused by the same mass of CO_2. For example, CH_4 and N_2O are substantially more potent GHGs than CO_2, with GWPs of 25 and 298 times that of CO_2, respectively.

In emissions inventories, GHG emissions are typically reported in terms of pounds or metric tons of CO_2 equivalents (CO_2e). CO_2e is calculated as the product of the mass emitted of a given GHG and its specific GWP. While CH_4 and N_2O have much higher GWPs than CO_2, CO_2 is emitted in such vastly higher quantities that it accounts for the majority of GHG emissions in CO_2e, both from residential/commercial developments and human activity in general.

Although GHG emissions can be quantified, CARB, SCAQMD, and Riverside County have not formally adopted project-level significance thresholds for GHG emissions that would be applicable to the Project. The Governor's Office of Planning and Research (OPR) released a technical advisory on CEQA and climate change that provided some guidance on assessing the significance of GHG emissions, and states that "lead agencies may undertake a project-by-project analysis, consistent with available guidance and current CEQA practice," (OPR 2008) and that while "climate change is ultimately a cumulative impact, not every individual project that emits GHGs must necessarily be found to contribute to a significant cumulative impact on the environment." Furthermore, the technical advisory states that "CEQA authorizes reliance on previously approved plans and mitigation programs that have adequately analyzed and mitigated GHG emissions to a less than significant level as a means to avoid or substantially reduce the cumulative impact of a project." (OPR 2008).

Per CEQA Guidelines Section 15064(h)(3), a project's incremental contribution to a cumulative impact can be found not cumulatively considerable if the project would comply with an approved plan or mitigation program that provides specific requirements that will avoid or substantially lessen the cumulative problem within the geographic area of the project.[3] To qualify, such a plan or program must be specified in law or adopted by the public agency with jurisdiction over the affected resources through a public review process to implement, interpret, or make specific the law enforced or administered by the public agency.[4] Examples of such programs include a "water quality control plan, air quality attainment or maintenance plan, integrated waste management plan, habitat conservation plan, natural community conservation plan, [and] plans or regulations for the reduction of greenhouse gas emissions."[5] Thus, CEQA Guidelines Section 15064(h)(3) allows a lead agency to make a finding of non-significance for GHG emissions if a project complies with a program or other regulatory schemes to reduce GHG emissions.[6]

3 14 CCR Section 15064(h)(3).

4 14 CCR Section 15064(h)(3).

5 14 CCR Section 15064(h)(3).

6 See, for example, San Joaquin Valley Air Pollution Control District (SJVAPCD), CEQA Determinations of Significance for projects Subject to ARB's GHG Cap-and-Trade Regulation, APR-2025 (June 25, 2014), in which the SJVAPCD "determined that GHG emissions increases that are covered under ABR's Cap-and-Trade regulation cannot constitute significant increases under CEQA…" Furthermore, the SCAQMD has taken this position in CEQA documents it has produced as a lead agency. The SCAQMD has prepared three Negative Declarations and one Draft Environmental Impact Report that demonstrate the SCAQMD has applied its 10,000 $MTCO_2e$/yr significance threshold in such a way that GHG emissions covered by the Cap-and-Trade Program do not constitute

a) According to SCAQMD methodology, because GHG emissions are a cumulative impact, project significance is determined by the combined amortized construction and operational emissions. As a method for evaluating significance under CEQA, SCAQMD developed a draft tiered flowchart in 2008 for determining significance thresholds for GHGs for industrial projects where SCAQMD is acting as the lead agency (SCAQMD 2008). In December 2008, SCAQMD adopted a 10,000 metric tons of CO_2e ($MTCO_2e$)/year threshold for industrial facilities for projects in which SCAQMD is the lead agency. SCAQMD has not adopted a threshold of significance for residential or commercial projects at the time of this writing. SCAQMD formed a GHG Significance Threshold Working Group to evaluate potential GHG significance thresholds and had drafted a 3,000 $MTCO_2e$/year threshold for mixed-use developments (OPR 2008). However, the aforementioned Working Group has been inactive since 2011 and no thresholds drafted by the Working Group have been formally adopted for land use development projects. Nonetheless, while the Proposed Project does not fit neatly into either category (industrial or commercial/mixed-use), in the absence of a formally adopted threshold applicable to this Project, the more stringent of the two quantitative thresholds discussed above (i.e., 3,000 $MTCO_2e$/year) is used to evaluate the significance for this Project.

Construction and operational related GHG emissions for the Proposed Project were estimated using CalEEMod Version 2016.3.2 with the same assumptions as the air quality analysis as detailed in Appendix AQ. Proposed Project-generated emissions were modeled based on general information provided in the Proposed Project description and default SCAQMD-recommended settings and parameters attributable to the proposed land use types and site location. Construction activities would begin in Spring 2020 with active construction occurring for up to 17 months depending on construction schedule. For conservative modeling purposes, each activity was anticipated to occur for the total number of days independent of the other activities.

The Proposed Project's total estimated GHG emissions during the construction activities would be approximately 871 $MTCO_2e$ over the Project duration of 17 months from Spring 2020 through Winter 2022. This would equal approximately 29 $MTCO_2e$ per year after amortization over 30 years per SCAQMD methodology. Operational emissions are estimated to result in approximately 68 $MTCO_2e$ annually. The total combined construction and operational emissions associated with the Proposed Project are approximately 97 $MTCO_2e$. As the amortized Project emissions are less than the 3,000 $MTCO_2e$/year SCAQMD drafted threshold, the Proposed Project would result in less than significant impacts.

emissions that must be measured against the threshold. See SCAQMD, Final Negative Declaration for Ultramar Inc. Wilmington Refinery Cogeneration project, SHC No. 2012041014 (October 2014); SCAQMD Final Negative Declaration for Phillips 99 Los Angeles Refinery Carson Plant—Crude Oil Storage Capacity project, SCH No. 2013091029 (December 2014); SCAQMD Final Mitigated Negative Declaration for Toxic Air Contaminant Reduction for Compliance with SCAQMD Rules 1420.1 and 1402 at the Exide Technologies Facility in Vernon, CA, SCH No. 2014101040 (December 2014); and SCAQMD Final Environmental Impact Report for the Breitburn Santa Fe Springs Blocks 400/700 Upgrade project, SCH No. 2014121014 (August 2015).

b) The Proposed Project would not conflict with any plan, policy, or regulation aimed at reducing the emissions of greenhouse gas emissions, as discussed below. Impacts would be less than significant.

Consistency with CARB Scoping Plan

The CARB Scoping Plan was designed to reduce GHG emissions from new land use projects (CARB 2008, 2001, 2014, 2017). The Proposed Project would be subject to the Scoping Plan requirements. The majority of the Scoping Plan measures target measures that reduce energy and transportation emissions from residential and commercial/industrial development and therefore the majority of the Scoping Plan measures are not applicable to the Proposed Project as there is minimal operational energy or transportation emissions. The majority of Project emissions are associated with construction activities. Out of the Recommended Actions contained in CARB's Scoping Plan, the actions that are most applicable to the Proposed Project would be reducing diesel-fueled commercial motor vehicle idling, and waste management plan to divert 50 percent of solid waste from disposal facilities. The Proposed Project would be designed to comply with the California regulations to limit idling of onsite vehicles to 5 minutes or less per location. Also, excavation materials will be balanced onsite to the extent possible minimizing the need to transport material offsite and minimizing potential haul truck-related emissions. As the Project results in a minimal long-term consumption of energy and does not substantially increase traffic within the region, the Project would not conflict with any of the Scoping Plan measures. That combined with the reduction in vehicle idling and maintaining soil onsite to the extent possible, the Proposed Project would be consistent with the Scoping Plan measures applicable to the Project.

Consistency with SB 375

The key goal of the Sustainable Communities Standard is to achieve GHG emission reduction targets through integrated land use and transportation strategies. The focus of these reductions is on transportation and land use strategies that influence vehicle travel. As operational activates would not require any new, permanent employment and would require only two maintenance trips per week and one chemical delivery per month, the Proposed Project would not significantly or permanently increase vehicle traffic within the County or the region. Therefore, the Proposed Project would not conflict with the implementation of SB 375.

References

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2.9 Hazards and Hazardous Materials

Issues (and Supporting Information Sources):		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
9.	**HAZARDS AND HAZARDOUS MATERIALS — Would the project:**				
a)	Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b)	Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☒	☐
c)	Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☒	☐
d)	Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e)	For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
f)	Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☒	☐	☐
g)	Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?	☐	☐	☒	☐

Discussion

a) Construction activities for the Proposed Project facilities would involve drilling, trenching, excavation, grading, and other ground-disturbing activities at the Project site and staging areas identified on Figure 1-2. These construction activities would require small amounts of routinely-used hazardous materials including but not limited to petroleum products (i.e. oil, gasoline, and diesel fuels), automotive fluids (i.e. antifreeze and hydraulic fluids), and other chemicals (i.e. adhesives, solvents, paints, thinners, and other chemicals). Routine transport, use, or disposal of these materials could potentially create a significant hazard to the environment. EMWD and its construction contractor would be required to comply with all applicable federal, State and local regulations pertaining to hazardous material use, handling, storage, and disposal. Construction specifications prepared for the Proposed Project would identify BMPs to ensure the lawful transport, use, and disposal of hazardous materials. Therefore, by complying with all applicable regulations potential Project construction impacts related to hazardous materials would be reduced to less than significant levels.

Operation of the Proposed Project would consist of facilities that convey water, chlorinate conveyed water, and control the flow of conveyed water. Neither the conveyance or flow control facilities would involve use of chemicals. The chlorination treatment facility would use chlorine or chloramine to neutralize pathogenic microorganisms. The chlorination treatment facilities would consist of one 5,000-gallon sodium hypochlorite storage tank and injection pumps. As such, new chemicals would need to be routinely transported, used, and/or disposed of during operation of the Project. The use of such hazardous materials would occur in close proximity to sensitive residential receptors, and transport could result in a potentially significant impact. EMWD would be required to comply with existing regulatory standards with respect to the storage and handling of hazardous materials including preparation of and compliance with a Hazardous Materials Business Plan (HMBP), Emergency Response Plan (ERP), and Risk Management Plan (RMP), as managed and overseen by the Riverside County Department of Environmental Health Hazardous Materials Branch. These requirements include such safety measures as ensuring the use of appropriate storage vessels, secondary containment features, safety labeling, readily available spill absorbent materials, and training of site workers to respond to any accidental release. Adherence to these requirements would ensure that impacts to the environment and public health and safety due to routine use of hazardous materials during Project operation would be reduced to a less than significant level.

b) As described above in Section 2.9(a), Proposed Project construction activities would require the transport, use, and disposal of small amounts of hazardous materials at the Project site and staging areas. No acutely hazardous materials would be used onsite during construction of the Proposed Project. If not properly handled, accidental release of these substances could degrade soils or become entrained in stormwater runoff, resulting in adverse effects on the public or the environment. However, EMWD is required to comply with all applicable federal, State and local laws and regulations that pertain to avoiding and, if necessary, mitigating the accidental release of hazardous materials during construction of proposed facilities. For example, Cal/OSHA would require EMWD or its contractors to prepare and implement a Construction Safety Plan, which would include such items as construction worker training, availability of safety equipment, an accident prevention program, and hazardous substance exposure warning protocols. CCR Section 5194 requires a hazards communication program that clearly identifies hazardous materials onsite, thereby increasing employee education and awareness of hazardous materials onsite and reducing the potential for a spill. CFR Section 1910.120 details requirements for emergency response to releases or substantial threats of releases of hazardous substances. In addition, BMPs shall be included in the SWPPP that would be required for the Proposed Program (see Section 2.10, *Hydrology and Water Quality*), to prevent accidental release of hazardous materials into the environment that could affect soils or contaminate groundwater. Implementation of these BMPs would further reduce potentially significant impacts associated with hazardous substance spills during construction to less than significant levels.

Operation of the Proposed Project would consist of facilities that convey water, chlorinate conveyed water, and control the flow of conveyed water. Neither the conveyance nor flow control facilities would involve use of chemicals. The chlorination treatment facility would use chlorine or chloramine to neutralize pathogenic microorganisms, and operation of the Project. The use of such hazardous materials would occur in close proximity to sensitive residential receptors, and any accidental spills of chemicals would result in a potentially significant impact. EMWD would prepare a HMBP and ERP, which would be used by the Riverside County Fire Department as first responders to appropriately address an accidental hazardous material spill. The SWPPPs prepared for Project facilities would also include permanent BMPs that would avoid hazardous materials release into stormwater runoff during operation. EMWD would comply with all relevant and applicable federal, State and local regulations that pertain to hazardous material spills during operation of the Project. Compliance with these laws would minimize the potential hazard to the public or environment related to the accidental release of hazardous materials, and would reduce impacts to a less than significant level.

c) Portions of the Proposed Project are located within 0.25 miles of Tahquitz High School in Hemet, namely a segment of the raw water conveyance pipeline which would be installed completely underground. Construction of the pipeline could involve the transport of hazardous materials near the school. As discussed in Section 2.9(a) and 2.9(b), adherence to local regulations would ensure that impacts to nearby schools would be less than significant. The EM-25 service connection, flow control facility, and chlorination treatment facility would be located approximately 0.6 mile away and would not impact the school as a result of emitting hazardous substances near a school. Operation of the raw water pipeline would not emit or handle any hazardous materials within .25 mile of a school. Impacts would be less than significant.

d) None of the Proposed Project components would be located on a site that is included on a list of hazards materials sites compiled pursuant to Government Code Section 65962.5. There are several “new school investigation” sites identified by DTSC that are located approximately 1,000 feet from the Proposed Project facilities, and appear to result from past agricultural practices on lands previously proposed for school sites. However, all of these sites are all classified as “inactive” or designated with “no further action” (DTSC 2018). There would be no impact to the public or environment as a result of implementation of the Proposed Project.

e) The Proposed Project would be located approximately 2 miles north of the Hemet-Ryan Airport and within zone ‘E’ of the Airport Influence Boundary Area as determined by the Hemet-Ryan Land Use Compatibility Plan. There are no requirements for development in zone ‘E’ per the ALUCP. Nevertheless, the Proposed Project would not include tall structures that could violate local ordinance requirements or interfere with airport safety measures. As such, no impact would occur.

f) The staging areas and construction of the EM-25 service connection, flow control facility, and chlorination treatment facility would occur on land owned or acquired by EMWD and not within a right-of-way. The conveyance facilities would be constructed within approximately 2.5 miles of roadway rights-of-way within the City of Hemet, and within property or easements owned or acquired by EMWD. For the portions of the alignment located within rights-of-way, construction of the conveyance facilities could temporarily impair implementation of or physically interfere with an adopted emergency response plan. However, with implementation of **Mitigation Measure TRAF-1,** which would require coordination with local emergency responders regarding lane closures, potential impacts to emergency response would be reduced to a less than significant level.

During operation, the Proposed Project facilities would require a maximum of two service truck trips per week and one chemical delivery trip per month, and would not physically interfere with an adopted emergency response plan or emergency evacuation plan. Impacts would be less than significant.

Mitigation Measures

Implement **Mitigation Measure TRAF-1**.

g) The Proposed Project is not located within an area that is designated by CAL FIRE as a 'very high fire hazard zone' (CAL FIRE 2007). However, the EM-25 service connection and western portion of the raw water conveyance line as well as the chlorination treatment and flow control facilities are located in proximity to 'very high fire hazard zones' immediately west of the Proposed Project area. All construction must comply with fire protection and prevention requirements specified by CCR and Cal/OSHA. This includes various measures such as easy accessibility of firefighting equipment, proper storage of combustible liquids, no smoking in service and refueling areas, and worker training for firefighter extinguisher use. With adherence to applicable laws and regulations, impacts would be reduced to a less than significant level.

During operation, the Proposed Project facilities would not substantially add to the area's fire risk. Conveyance facilities would operate belowground and would not create a risk for wildland fires. Aboveground chlorination treatment and flow control facilities would not be constructed of highly flammable materials and would hold water during much of their operation, thereby reducing their flammability. Therefore, Proposed Project impacts related to wildland fires during operation would be less than significant.

References

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2.10 Hydrology and Water Quality

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
10. HYDROLOGY AND WATER QUALITY — Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☒	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or river or through the addition of imperious surfaces, in a manner which would:	☐	☐	☒	☐
i) result in substantial erosion or siltation on- or off-site;	☐	☐	☒	☐
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☐	☒	☐
iii) create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
iv) impede or redirect flood flows?	☐	☐	☒	☐
d) In flood hazard, tsunami, or seiche zones, risk or release of pollutants due to project inundation?	☐	☐	☒	☐
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

Discussion

a) Construction of the Proposed Project would involve excavation, trenching, and grading at the Proposed Project site and within temporary staging areas. Sediment associated with earthmoving activities and exposed soil would have the potential to erode and be transported to down gradient areas, potentially resulting in water quality standard violations. In the event of heavy rain, erosion of the soil stockpiles may occur resulting in scouring and sedimentation of local drainages. Additionally, stormwater passing through the construction and staging sites has the potential to pick up construction-related chemicals (such as fuels or oils from construction equipment), which may pass into the local stormwater collection system, impacting water quality. However, because the Project would disturb more than one acre, construction would be subject to the NPDES General Permit for Discharges of Storm Water Runoff Associated with Construction and Land Disturbance Activities (General Construction Permit). As part of this process, EMWD would file a Notice of Intent with the State Water Resources Control Board (SWRCB), in compliance with the statewide NPDES General Construction Permit.

EMWD would be required to prepare and submit a SWPPP that would identify pollutant sources that may affect the quality of stormwater discharge and identify BMPs, such as erosion control and pollution prevention measures, to be used throughout the course of construction. As a result, construction of the Proposed Project would not result in violation of water quality standards, waste discharge requirements, or otherwise degrade water quality. Impacts would be less than significant.

Operation and maintenance of the Proposed Project would not adversely impact water quality. Once constructed, the raw water conveyance pipeline and the EM-25 service connection would be installed underground and these areas would be returned to pre-Project conditions once construction is complete. The flow control facility and the chlorination treatment facility would both be installed on concrete pads and operation activities would not expose soil that could result in a violation of water quality standards or waste discharge requirements.

In infrequent cases, water within the pipeline would be drained when recharge is not possible, or prior to a pipeline repair or maintenance activities. This could involve discharge of up to 2 million gallons of water that would be drained from the raw water conveyance pipeline and pumped to either: the nearest storm drainage facility along Esplanade Avenue and/or Warren Road, the adjacent San Diego Canal, or to the EMWD sewer system. If the water is discharged into the sewer system, an NPDES permit would not be required. If the water is discharged to the storm drain system, EMWD may need to adhere to the requirements of an NPDES discharge permit from the Santa Ana RWQCB. The Santa Ana RWQCB encourages implementation of BMPs similar to those required for NPDES stormwater permits to protect the water quality objectives and beneficial uses of local surface waters. EMWD would coordinate with MWD to ensure the water meets the water quality requirements if the San Diego Canal is chosen for discharge. With implementation of required BMPs and securing of all applicable permits, operation of these facilities would not conflict with any water quality standards or waste discharge requirements, or otherwise substantially degrade water quality, and impacts would be less than significant.

b) The implementation of the Proposed Project would not involve the extraction of any groundwater and would not substantively interfere with groundwater recharge. Although groundwater levels within the Proposed Project area are recorded at 150 feet below ground surface (HDR 2018), construction of the raw water conveyance pipeline may involve dewatering of perched groundwater depending on the installation location. Water collected from dewatering would be reused for dust control purposes during construction, as needed. Any excess water not able to be used for dust control may require a dewatering permit from the Santa Ana RWQCB. Compliance with this dewatering permit includes designation of a discharge disposal site and implementation of BMPs to control discharge. Dewatering activities would not interfere with groundwater recharge in any way that would result in a net deficit in aquifer volume or lowering of the groundwater table. As such, impacts to groundwater supplies and recharge during construction would be less than significant.

Once operational, the Proposed Project would not involve any activity that would decrease groundwater supplies or impede with sustainable management of the groundwater basin. No impact would occur.

c,i) Construction activities would require earthwork activities that would temporarily alter drainage patterns and expose soils to potential erosion or siltation. However, all construction activities would be required to adhere to the NPDES Construction General Permit, and the contractor(s) would be required to implement BMPs in accordance with a SWPPP which would include erosion control measures. With implementation of erosion control BMPs, impacts would be reduced to a less than significant level.

Once constructed, the conveyance facilities would be returned to existing conditions (i.e. pavement would be repaved and bare ground would be repurposed as bare ground) such that there would be no changes to drainage patterns and erosion potential. The concrete pads associated with the flow control and chlorination treatment facilities would be approximately 2,620 square feet and would generate a negligible increase in runoff directed to on-site drains, and would not increase erosion onsite. Operation and maintenance of the Proposed Project would not alter the course of a stream or river or result in substantial erosion or siltation onsite or offsite. As such, impacts would be less than significant.

c,ii) Construction of the Project would occur in segments (at the EM-25 service connection, flow control facility, and chlorination treatment facility, and along the pipelines route) and would not result in a large exposed area that could be susceptible to flooding. BMPs mentioned above that include erosion control measures would prevent widespread flooding on and adjacent to the Project site. Impacts would be less than significant during construction.

The conveyance facilities and EM-25 service connection would operate belowground and would be restored to pre-construction conditions. The flow control facility and the chlorination treatment facility would be installed on small concrete pads that would introduce approximately 2,620 square feet of impervious surfaces to the areas. All runoff from the site would be directed toward the exiting stormwater drains (Esplanade Avenue and/or Warren Road). The addition of the concrete pad would not substantially increase the rate of surface water runoff in a manner that would result in flooding onsite or offsite. Impacts would be less than significant during operation.

c,iii) The cities of San Jacinto and Hemet contain localized drainage systems that connect to earthen channels or drain to retention basins. Construction of all Proposed Project facilities would require minimal amounts of water, mainly for dust suppression. Therefore, the Proposed Project would not generate a large amount of runoff onsite during construction compared to existing stormwater runoff conditions that would exceed the capacity of existing or planned stormwater drainage systems.

During operation, the facilities would operate to convey and chlorinate raw water. While minor maintenance activities such as equipment washing may occur at the flow control

and chlorination treatment facilities site, these activities would not introduce substantial impervious surfaces such that excessive runoff would be generated. In infrequent cases, water within the pipeline would be drained near the EM-25 connection when recharge is not possible, or prior to a pipeline repair or maintenance activities. The pipeline would be designed to drain the entire Proposed Project reach in a controlled manner, with a total water volume of approximately 2 million gallons. Water could be discharged one of three ways: to the San Diego Canal, local storm drain facilities, or the EMWD sewer system. If raw water is discharged into the San Diego Canal, the volume associated with the infrequent drained water would be far below capacity within the San Diego Canal. EMWD would coordinate with MWD to ensure discharges are accommodated within existing capacity. If water is discharged into the local storm drain system (during non-storm periods), the existing stormwater drainage facilities would be able to accommodate this infrequent disposal, and no new stormwater drainage facilities would be required. EMWD would be required to coordinate with the Riverside County Flood Control and Water Conservation District and the City of San Jacinto to ensure discharges do not exceed existing stormwater drainage capacity. If raw water is discharged into the EMWD sewer system, water would be conveyed to a sewer manhole located approximately 600 feet east of the EM-25 service connection within Esplanade Avenue. As the Proposed Project proponent, EMWD would ensure adequate capacity exists prior to pipeline draining. Therefore, impacts related to the generation of runoff that would exceed the capacity of existing or planned stormwater drainage systems would be less than significant.

c,iv) The Proposed Project facilities are located outside of any FEMA flood zone and outside of the dam inundation area for any of the regional dams, including Lake Hemet (FEMA 2018). Additionally, the Project facilities would have relatively minor above ground surface profiles and would be entirely unoccupied other than sporadic maintenance activities. As a result, the Proposed Project facilities would not impede or redirect flood flows. Impacts would be less than significant.

d) The Proposed Project is not located in a flood zone and would therefore not risk release of pollutants from the Project site due to inundation. No impact would occur

A tsunami is a sea wave of local or distant origin that results from large-scale seafloor displacements associated with earthquakes, major submarine slides or exploding volcanic islands (USGS 2018a). An event such as an earthquake creates a large displacement of water resulting in a rise or mounding at the ocean surface that moves away from this center as a sea wave. The Proposed Project is more than 40 miles away from the Pacific Ocean. Therefore, the Proposed Project would not be subject to tsunamis and would not risk release of pollutants due to Project inundation from a tsunami. No impacts would occur.

A seiche is the sloshing of a closed body of water from earthquake shaking (USGS 2018b). The San Diego Aqueduct is located adjacent to the flow control and chlorination treatment facilities, and could be subject to a seiche. While relatively few seiches have

occurred in aqueduct channels, the Proposed Project facilities would only be periodically occupied by workers (either temporarily for construction or periodically for maintenance) and would pose a minimal risk to safety and minimal risk of release of pollutants due to Project inundation from a seiche. Impacts would be less than significant.

e) The Santa Ana RWQCB Water Quality Control Plan (Basin Plan) sets water quality objectives that are qualitative and quantitative in order to protect the beneficial uses of surface and groundwater within the basin. The Proposed Project is located within the San Jacinto River Basin where a number of beneficial uses have been identified including municipal supply, agricultural supply, groundwater supply, contact and non-contact recreation, warm freshwater habitat, and wildlife habitat (RWQCB 2016). Water quality management for the watershed is based on these identified uses. The surface water quality parameters for which numerical limits were selected from the sources listed above are: total dissolved solids, hardness, sodium, chloride, total inorganic nitrogen, sulfate and chemical oxygen demand (RWQCB 2015). The water quality constituents that have numerical limits for groundwater include: arsenic, bacteria, barium, boron, chloride, cyanide, total dissolved solids, fluoride, metals, Methylene Blue-Activated Substances, pH, radioactivity, sodium, and sulfate (RWQCB 2015). State Water Project (SWP) water would be the source water that would be conveyed through the proposed raw water conveyance pipeline. SWP water is generally high quality and relatively similar to the existing groundwater quality within the basin (Todd Groundwater in Dudek 2017). Although the Proposed Project analyzed herein does not involve groundwater recharge, the Proposed Project is part of the larger ERRP and as such, it should be noted that the eventual mixing of SWP water conveyed through Proposed Project facilities with groundwater within the basin would not adversely affect groundwater quality or prevent the basin from meeting Basin Plan water quality objectives (Dudek 2017). The Sustainable Groundwater Management Act of 2014 (SGMA) established a new structure for managing California's groundwater. DWR requires that medium or high priority basins be managed by a Groundwater Sustainability Agency (GSA), and that these GSAs prepare a Groundwater Sustainability Plan (GSP) to manage the basin. The Proposed Project is located within the eastern portion of the San Jacinto Groundwater Basin, which is adjudicated and therefore exempt from SGMA. Furthermore, the Proposed Project would not directly impact the sustainability of the San Jacinto River Basin, and would help advance the recharge of the basin for long term groundwater sustainability. As a result, there would be no conflict with implementation of a water quality control plan or groundwater management plan, and impacts would be less than significant.

References

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2.11 Land Use and Land Use Planning

Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
11. LAND USE AND LAND USE PLANNING — Would the project:				
a) Physically divide an established community?	☐	☐	☐	☒
b) Cause a significant environmental impact due to a conflict with any applicable land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

Discussion

a) The conveyance pipeline, chlorination treatment facility, flow control facility and EM-25 service connection would be constructed within public rights-of-way or within property or easements currently owned by EMWD or acquired by EMWD within the City of San Jacinto and City of Hemet. Once construction is complete, the raw water conveyance pipeline will be located below ground and would not divide the community. The above ground facilities would be approximately 2,620 square feet and would not create a barrier or physically divide an established community. As such, no impact would occur.

b) As shown in **Appendix LU**, the Proposed Project facilities would be implemented within the following land use designations:

- The EM-25 service connection, flow control facility and chlorination treatment facility (Options 1 through 3), and potential staging area 1 would be located on land designated by the City of San Jacinto as Community Commercial (CC), which allows for retail and office activities, and Medium Density Residential (MDR), which allows for up to 10 dwelling units per acre (City of San Jacinto 2012).
- The raw water conveyance pipeline would be constructed mainly within the City of San Jacinto and City of Hemet's public rights-of-way designated for transportation, communications, and utilities (City of San Jacinto 2012; City of Hemet 2012). For the portion of the pipeline to be installed within the roadway right-of-way of Esplanade Avenue, EMWD would construct the alignment within the current roadway right-of-way or future roadway right-of-way located immediately north of the current alignment, depending on the timing of the road widening project being undertaken by the City of San Jacinto. Accordingly, the alignment would either be installed within the Esplanade Avenue right-of-way, or through what is currently designated as Community Commercial (CC) and Medium Density Residential (MDR), in addition to Parks (P), which allows for passive and active recreation sites, and Low Density Residential (LDR), which allows for a maximum of 5 dwelling units per acre, before installation within the Sanderson Avenue roadway right-of-way approximately as shown on Figure 1-2.
- The temporary potential staging area 2 at the corner of Sanderson Avenue and Esplanade Avenue would be located on land designated by the City of San Jacinto as Community Commercial (CC).

The facilities are zoned by the City of San Jacinto as Esplanade Specific Plan (01-02), Residential, Low Density (RL), and Commercial Zone (CG). All facilities would be constructed within public rights-of-way, or within property or easements currently owned by EMWD or acquired by EMWD.

The conveyance pipeline and EM-25 service connection would be located underground after construction and therefore not result in land use inconsistencies. All aboveground Proposed Project facilities are considered public facilities/utilities. The City of San Jacinto, in which aboveground facilities would be constructed, allows "uses such as… public facilities, and other uses which are compatible with and oriented towards serving the needs of medium density neighborhoods may also be allowed." (City of San Jacinto 2012; LU-26). As a result, public facilities owned and operated by EMWD would be compatible with the existing land use. Additionally, the City of Hemet and City of San Jacinto's Zoning Ordinances exempt public utilities to standard provisions. Further, per Government Code Section 53091(d), building ordinances of local cities or counties do not apply to the location or construction of facilities for the projection, generation, storage, treatment, or transmission of water or wastewater. As this Proposed Project's objective is water conveyance, the building ordinances of the municipalities of Hemet and San Jacinto do not apply to the Project. As such, the conveyance facilities would not conflict with existing land use designations or be incompatible with surrounding land uses. Therefore, impacts would be less than significant.

References

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2.12 Mineral Resources

Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
12. MINERAL RESOURCES — Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒

Discussion

a) The California Geological Survey (CGS) classifies the regional significance of the State's mineral resources in accordance with the Surface Mining and Reclamation Act of 1975 to indicate the significance of mineral deposits based on geologic appraisal of the mineral resource potential of the land. The Proposed Project area is classified by the CGS as Urban Area and Mineral Resource Zone 3, which is an urban area of known or inferred mineral occurrences of undetermined mineral resource significance (CGS 2008). As such, no impact to the availability of known mineral resources would occur.

b) CGS identifies the Proposed Project area as Urban Area and Mineral Resource Zone 3, which is an urban area of known or inferred mineral occurrences of undetermined mineral resource significance (CGS 2008). The Proposed Project area is not currently being mined or used for production of mineral resources of value to the region or residents of California. The mineral resources available are not of value to the region or residence of the State and the Proposed Project will not be mining or using mineral resources for production regardless. No impact to the availability of locally-important mineral resources from a local general plan, specific plan, or other land use plan would occur.

References

California Geological Survey (CGS), 2008. Updated Mineral Land Classification Map for Portland Cement Concrete-Grade Aggregate in the San Bernardino Production-Consumption (P-C) Region, San Bernardino and Riverside Counties, California.

2.13 Noise

Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
13. NOISE — Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☒	☐	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

Discussion

Portions of the Proposed Project would be located in the City of San Jacinto and City of Hemet. The EM-25 service connection, flow control facility, and chlorination treatment facility would be adjacent to unincorporated Riverside County. While construction activities associated with the Proposed Project would be short-term, activities would be evaluated against, but not subject to, the noise regulations of the City of San Jacinto, City of Hemet, and County of Riverside, which limit the allowable period of construction hours, but do not establish a construction noise level limit.

The City of San Jacinto Municipal Code (SJMC) Section 8.40.090 states that no person shall engage in construction, remodeling, digging, grading, demolition or any other related building activity, nor shall operate any tool, equipment or machine, on any weekday or Saturday except between the hours of 7:00 a.m. and 7:00 p.m.

The SJMC Section 8.40.090.D exempts construction noise from the noise regulations for: (1) emergency construction work performed by a private party when authorized by the city manager or his or her designee; (2) the maintenance, repair or improvement of any public work or facility by public employees, by any person or persons acting pursuant to a public works contracts, or by any persons performing such work or pursuant to the direction of, or on behalf of, any public agency provided that the city manager or a department head determines that the maintenance, repair or improvement is immediately necessary to maintain public services; the maintenance, repair or improvement is of a nature that cannot feasibly be conducted during normal business hours; or the city council has approved project specifications, contract provisions, or an environmental document that specifically authorizes construction during hours of the day that would otherwise be prohibited pursuant to this section; and (3) any construction that complies with the noise limits specified in Section 8.40.040 or 8.40.050.

The City of Hemet Municipal Code (HMC) Section 67-10 permits grading activities (as defined in Section 67-2 as grading, excavation, filling, stockpiling, or clearing and grubbing, or any

development project that requires a grading permit) between the hours of 6:00 a.m. and 6:00 p.m. during the months of June through September and between the hours of 7:00 a.m. and 6:00 p.m. during the months of October through May. The City engineer may extend the hours allowed for construction if he or she determines that such operations are not detrimental to the health, safety or welfare of the occupants of nearby structures, or the quiet enjoyment of nearby residential property.

The County of Riverside Municipal Code (CRMC) exempts private construction projects located within one-quarter of a mile from an inhabited dwelling from the County's noise standards if: 1) Construction does not occur between the hours of 6:00 p.m. and 6:00 a.m. during the months of June through September, and 2) Construction does not occur between the hours of 6:00 p.m. and 7:00 a.m. during the months of October through May.

a) ***Construction***

Construction activities associated with the Proposed Project would include grading, excavation, filling, and the installation of the EM-25 service connection, flow control facility, chlorination treatment facility, and conveyance pipeline. The EM-25 service connection, flow control facility, and chlorination treatment facility would be located on the north side of Esplanade Avenue, east of Warren Road in the City of San Jacinto. Construction would require use of work trucks, graders, earthmovers, backhoes, excavators, one full time water truck, vibratory compactors, and welding materials along with supporting equipment. Construction would entail noise-generating activities such as grading and excavation and installation of facilities.

Construction of the proposed raw water conveyance pipeline would be located along or immediately north of Esplanade Avenue between Warren Road and Sanderson Avenue near the City of Hemet and City of San Jacinto boundaries, along Sanderson Avenue between Esplanade Avenue and Commonwealth Avenue in the City of Hemet, and along Commonwealth Avenue between Sanderson Avenue and Kirby Street in the City of Hemet. Construction of the proposed raw water conveyance pipeline would involve trenching using a conventional cut and cover technique. The trenching technique would include noise-generating activities such as saw cutting of the pavement, trench excavation, trench backfill and compaction, and site restoration/pavement replacement.

Installation of Proposed Project facilities would be located within public rights-of-way or areas just adjacent. Single-family housing is located adjacent to the Proposed Project facilities at the following distances: approximately 25 feet from the pipeline construction location along the Commonwealth Avenue; approximately 50 feet from the EM-25 service connection, flow control and chlorinator facilities, and pipeline construction located along Esplanade Avenue, and 50 feet from the pipeline construction along Sanderson Avenue. Pipeline installation would move along the roadways at a typical rate of approximately 50 feet per day. Therefore, construction noise occurring in the vicinity to any one given residence would be temporary (i.e., several days) and would dissipate at any one given residence as the installation progresses along the roadway.

Table 2-11 shows typical maximum noise levels associated with various types of equipment, depending upon the equipment type and number, and usage factor, based on the Federal Highway Administration (FHWA) Roadway Construction Noise Model (RCNM) (FHWA 2006).

TABLE 2-11
TYPICAL NOISE LEVELS FROM CONSTRUCTION EQUIPMENT

Construction Equipment	Typical Maximum Noise Levels (dBA) at 50 feet	Acoustical Usage Factor
Backhoe	78	40%
Compactor	83	20%
Cement Mortar Mixer	79	40%
Concrete Saw	90	20%
Excavator	81	40%
Generator Set	81	50%
Grader	85	40%
Paver	77	50%
Off Highway Truck	76	40%
Rubber Tired Dozer	79	40%
Roller	80	20%
Scraper	84	40%
Tractors/Loaders/Backhoes	80	25%
Welders	74	40%

SOURCE: FHWA 2006.

The Proposed Project facilities would be located adjacent to residences and area roadways, where ambient noise levels are typically elevated due to vehicle traffic, typically ranging from approximately 60 to 69 dBA CNEL, depending upon roadway capacity and traffic volumes.

The nearest sensitive receptors would be located approximately 25 feet away from the pipeline to be installed within Commonwealth Avenue, and approximately 50 feet away from the EM-25 service connection, flow control facility, chlorination treatment facility, and pipeline alignment to be installed within and adjacent to Esplanade Avenue. **Table 2-12** shows the estimated construction noise levels that would occur at the nearest offsite sensitive uses during a peak day of construction activity for the Proposed Project. Detailed noise calculations are provided in **Appendix NOI**.

TABLE 2-12
ESTIMATE OF CONSTRUCTION NOISE LEVELS (L_{MAX} & L_{EQ}) AT OFFSITE SENSITIVE RECEPTOR LOCATIONS

Construction	Construction Phases	Nearest Distance from Construction Activity to Property Line of Sensitive Receptor (ft.)	Construction Noise Level at Property Line of Offsite Sensitive Location (dBA Lmax / dBA Leq) a
EM-25, FC & Disinfection Facility	Site Preparation	50	85 / 81
	Excavation/Site Grading	50	85 / 81
	Facility Installation	50	81 / 79
Daytime Pipeline Construction (Commonwealth Avenue)	Demolition	25	87 / 84
	Excavation/Trenching	25	90 / 86
	Paving	25	85 / 81
Daytime Pipeline Construction (Esplanade Avenue and Sanderson Avenue)	Demolition	50	81 / 79
	Excavation/Trenching	50	84 / 81
	Paving	50	79 / 76
Nighttime Pipeline Construction (Intersection of Esplanade Avenue and Sanderson Avenue)	Demolition	200	74 / 70
	Site Preparation	200	72 / 70
	Grading/Excavation	200	67 / 66

[a] Detailed calculations are provided in Appendix NOI of this MND.

SOURCE: ESA 2019.

As stated above, SJMC Section 8.40.090 states that no person shall engage in construction, remodeling, digging, grading, demolition or any other related building activity, nor shall operate any tool, equipment or machine, on any weekday or Saturday except between the hours of 7:00 a.m. and 7:00 p.m. and SJMC Section 8.40.090.D exempts construction noise from the noise regulations for the maintenance, repair or improvement of any public work or facility. HMC Section 67-10 permits grading activities (as defined in Section 67-2 as grading, excavation, filling, stockpiling, or clearing and grubbing, or any development project that requires a grading permit) between the hours of 6:00 a.m. and 6:00 p.m. during the months of June through September and between the hours of 7:00 a.m. and 6:00 p.m. during the months of October through May. Project construction occurring within these daytime hours would not generate substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of applicable standards. Therefore, daytime construction would result in a less than significant noise impact and no mitigation measures are required.

The Proposed Project would include nighttime construction activities at the intersection of Esplanade Avenue and Sanderson Avenue for eight (8) hours per night for up to three (3) nights. As discussed above, nighttime noise is not allowed in the City of San Jacinto per SJMC Section 8.40.090 or in the City of Hemet per HMC Section 67-10. Additionally, the City of Hemet Public Safety Element of the City of Hemet General Plan

lists exterior noise performance levels of 45 dBA L_{eq} and 65 dBA L_{max} during the nighttime. The nearest sensitive receptors would be located approximately 200 feet from the intersection of Esplanade Avenue and Sanderson Avenue. As shown in Table 2-12, the construction noise level attenuated at the nearest sensitive receptors would be approximately 74 dBA, and would occur outside of the hours specified in SJMC Section 8.40.090 and HMC Section 67-10, and outside of the City of Hemet exterior noise performance levels. As a result, nighttime construction activities would result in a significant noise impact and mitigation measures would be required.

To reduce noise levels during nighttime construction activities, EMWD would implement noise reduction measures specified in **Mitigation Measures NOISE-1** and **NOISE-2**, which include the use of sound blankets, noise walls, etc. to attenuate sound as much as possible to minimize neighborhood disturbance. With implementation of Mitigation Measures NOISE-1 and NOISE-2, potential nighttime construction activities would generate a noise level of approximately up to 57 dBA L_{max} and 53 dBA L_{eq} at 200 feet as shown in **Table 2-13**. With these measures, the short-term and temporary nighttime construction noise levels lasting for several days at the sensitive receptors near the intersection of Esplanade Avenue and Sanderson Avenue would be minimized. With implementation of mitigation measures, the Project would not substantially increase temporary or periodic nighttime noise levels in excess of the local standards established in the City of Hemet General Plan or municipal code or the City of San Jacinto General Plan or municipal code, which were adopted to protect the health, safety, welfare, or enjoyment of the occupants of nearby structures or residential properties. Temporary, short-term nighttime construction impacts would be less than significant with implementation of mitigation measures.

TABLE 2-13
ESTIMATE OF NIGHTTIME CONSTRUCTION NOISE LEVELS (L_{MAX} & L_{EQ}) AT OFFSITE SENSITIVE RECEPTOR LOCATIONS WITH MITIGATION

Construction	Construction Phases	Nearest Distance from Construction Activity to Property Line of Sensitive Receptor (ft.)	Construction Noise Level at Property Line of Offsite Sensitive Location (dBA Lmax / dBA Leq) a,b
Nighttime Pipeline Construction (Intersection of Esplanade Avenue and Sanderson Avenue)	Demolition	200	57 / 53
	Site Preparation	200	55 / 53
	Grading/Excavation	200	50 / 49

[a] Detailed calculations are provided in Appendix NOI of this MND.
[b] Mitigation measures NOISE-1 and NOISE-2 were applied in the construction noise calculations.

SOURCE: ESA 2019.

Regarding construction truck and vehicle trips, construction worker commutes and trucks hauling materials and equipment to and from the Project site would be the primary generator of offsite mobile sources. A maximum of approximately twenty-nine (29)

worker trips per day during facility testing phases for the EM-25 service connection, flow control facility, and disinfection facility would occur and pipeline installation, and up to eight (8) haul and vendor trucks per day during excavation/trenching phase for pipeline installation would occur (based the air quality modeling included in Appendix AQ). Noise associated with construction truck trips were estimated using the FHWA Traffic Noise Model (TNM) Version 2.5 method described in FHWA Traffic Noise Model Technical Manual (FHWA 1998) and based on the maximum number of worker and truck trips in a peak hour. The results of the analysis indicate that the Project construction related-trips would generate noise levels of approximately 49.8 dBA L_{eq} at the noise sensitive receptors along Warren Road and Esplanade Avenue, approximately 45.8 dBA L_{eq} at the noise sensitive receptors along Sanderson Avenue, and approximately 50.6 dBA L_{eq} at the noise sensitive receptors along Commonwealth Avenue, which would not exceed the daytime significance threshold of 70 dBA L_{eq} and the nighttime significance threshold of 55 dBA L_{eq}. Therefore, offsite mobile-source noise impacts would be less than significant, and no mitigation measures would be required.

As a public agency, EMWD is not subject to other local jurisdictional agencies' noise ordinances and is therefore not required to obtain variances from local agencies for nighttime construction. Additionally, State law provides that city and county building and zoning ordinances do not apply to the location or construction by local agencies of facilities for the production, generation, storage, treatment, or transmission of water (Gov. Code § 53091(d)). However, EMWD as part of its design features, will implement noise reduction measures described in Mitigation Measure NOISE-1 and NOISE-2 including the use of sound blankets, noise walls, etc. to attenuate sound as much as possible during nighttime construction activity periods. As a result, impacts to established noise standards would be less than significant with mitigation.

Operation

With respect to Proposed Project operation, the EM-25 service connection, flow control facility, and chlorination treatment facility would require weekly maintenance consisting of a maximum of two service truck trips per week (1/2 ton pickup) and one chemical delivery trip per month. The pipeline would be installed underground and would not require regular maintenance. No new employees would be required to operate the facilities. Therefore, maintenance activities would be minimal and are not anticipated to generate noise in excess of local standards.

The Proposed Project would be gravity fed 95 percent of the time and would only require pumps to be used 5 percent of the year. This would involve use of four existing pumps at the CWBS, which are enclosed in a concrete-block walled structure and would substantially attenuate operational noise. Since the pumps are existing and in operation currently, no new noise would result from implementation of the Proposed Project at the CWBS. The flow control facility would consist of a reinforced concrete slab with above-grade flow control valves and piping, and would produce no operational noise. The chlorination treatment facility located at the northeastern intersection of Warren Road and Esplanade Avenue would consist of a 5,000-gallon storage tank and chemical

injection pumps set on a concrete slab. The pumps would be enclosed within a structure designed to reduce noise by a minimum of 15 dBA or more. As a result, the pump noise levels would be attenuated from approximately 80 dBA to 65 dBA or lower at a distance of 5 feet with enclosure of pumps. The pump noise level of 65 dBA at 5 feet would be reduced to 45 dBA at the nearest noise sensitive receptors approximately 50 feet from the pumps south of Esplanade Avenue based on a standard noise attenuation rate for stationary noise sources of a reduction of 6 dBA per doubling of distance (FTA 2018, page 14), which would not exceed typical nighttime ambient noise performance level of 45 dBA. While direct potential noise sources during operation of new facilities is not likely to occur at the flow control facility and the chlorination treatment facility, implementation of **Mitigation Measure NOISE-3** would ensure that new facilities would be designed in accordance with applicable local noise standards as measured at the property boundary.

Mitigation Measures

NOISE-1: Noise Barriers. EMWD shall require the construction contractor to provide temporary fences and noise barriers to block the line-of-sight between the construction equipment and the noise-sensitive receptor when the use of heavy equipment is prevalent for construction occurring in the City of San Jacinto outside of the allowable hours specified in the City of San Jacinto Municipal Code Section 8.40.090 and for construction occurring in the City of Hemet outside of the allowable hours specified in the City of Hemet Municipal Code Section 67-10. Building plans shall include documentation prepared by a noise consultant verifying compliance with this measure.

- Provide a 15-foot-tall construction fence equipped with noise reduction materials such as noise blankets rated to achieve nighttime noise performance levels of 55 dBA L_{eq} and 75 dBA L_{max} or less at noise sensitive receptors with a line-of-sight to the construction site at the intersection of Esplanade Avenue and Sanderson Avenue during nighttime construction.

NOISE-2: Noise Best Management Practices. EMWD shall require the construction contractor to implement BMPs that ensure the following:

- Place all stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest to the Project site.
- Locate equipment staging areas at the greatest possible distance between construction-related noise sources and noise-sensitive receptors nearest the Project site.
- Ensure appropriate maintenance and working order of equipment and vehicles, and that all construction equipment is equipped with manufacturers approved mufflers and baffles.
- Install sound-control devices in all construction equipment, no less effective than those provided on the original equipment.

NOISE-3: Operation Noise Standards. EMWD shall ensure that new aboveground facilities are designed such that operational noise complies with applicable noise standards at the property boundary.

b) Construction activities at the Proposed Project site have the potential to generate low levels of groundborne vibration from the operation of construction equipment (i.e., rubber-tired dozer and on-road trucks). Groundborne vibrations propagate though the ground and rapidly diminish in intensity with increasing distance from the source. No high-impact activities, such as pile driving or blasting, would be used during Project construction. The nearest offsite receptors to the Project Site that could be exposed to vibration levels generated from Project construction include single-family residential uses on the south side of Esplanade Avenue and on the north and south side of Commonwealth Avenue. The Federal Transit Administration's (FTA's) *Transit Noise and Vibration Impact Assessment* has identified the human annoyance response to vibration levels as 80 vibration decibels (VdB) and building damage with a threshold of 0.5 in/sec peak particle velocity (PPV).

The nearest sensitive receptor to the Proposed Project components are single-family residences located approximately 25 to 50 feet from the proposed facilities and pipelines. At a distance of 25 feet, vibration levels from vibration-generating equipment used for the Project (i.e., rubber-tired dozer and on-road trucks) would be up to approximately 0.023 in/sec PPV (FTA 2018).[7] Therefore, vibration levels would not exceed the potential building damage threshold of 0.5 in/sec PPV. As a result, structural damage from construction vibration would be less than significant. At a distance of 25 feet, VdB levels would be up to approximately 75 VdB (FTA 2018),[8] and would not exceed the 80 VdB vibration significance criteria. Therefore, construction activity that would occur 25 to 50 feet or more from existing sensitive receptors would not exceed vibration impact criteria, and a less than significant impact would occur.

Operation of the Proposed Project facilities would not include any components that would generate substantial vibration levels at the source. Thus, impacts associated with vibration would be less than significant.

c) There are no public airports or private air strips located within two miles of the Proposed Project facilities. Therefore, the Proposed Project facilities would have no impact on exposing people to excessive noise levels due to public airport use. No impact would occur.

References

California Department of Transportation (Caltrans), 2013. Technical Noise Supplement to the Traffic Noise Analysis Protocol, September 2013, http://www.dot.ca.gov/env/noise/docs/tens-sep2013.pdf. Accessed March 2019.

7 The highest anticipated vibration levels would be from an on-road truck, which generates up to approximately 75 VdB (70 VdB + 5 VdB from unevenness in the roadway), which is equivalent to approximately 0.023 in/sec PPV.

8 Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, page 113 and Table 6-11, September 2018. The highest anticipated vibration levels would be from an on-road truck, which generates up to approximately 75 VdB (70 VdB + 5 VdB from unevenness in the roadway).

Federal Highway Administration (FHWA), 1998. FHWA Traffic Noise Model, Technical Manual, February 1998.

Federal Highway Administration (FHWA), 2006. Roadway Construction Noise Model, User's Guide, January 2006, https://www.fhwa.dot.gov/environment/noise/construction_noise/rcnm/rcnm.pdf. Accessed December 2018.

Federal Transit Administration (FTA), 2018. Transit Noise and Vibration Impact Assessment Manual, page 113 and Table 6-11, September 2018, https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf. Accessed December 2018.

M. David Egan, 2007. Architectural Acoustics, Chapter 2 and Chapter 4, 2007.

2.14 Population and Housing

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
14. POPULATION AND HOUSING — Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☐	☒
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

Discussion

a) The Proposed Project involves the construction and operation of the EM-25 service connection, flow control facility, chlorination treatment facility, and the raw water conveyance pipeline, which would occur within public rights-of-way, or within property or easements currently owned by EMWD, or acquired by EMWD to accommodate planned growth. The Proposed Project would not directly induce population growth, as it does not propose development of new housing that would attract additional population to that area. Further, implementation of the Proposed Project would not result in any permanent employment that could indirectly induce population growth. No impact would occur.

b) The Proposed Project would not displace existing housing or require the construction of replacement housing. No impact would occur.

2.15 Public Services

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
15. PUBLIC SERVICES — Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the following public services:				
i) Fire protection?	☐	☐	☐	☒
ii) Police protection?	☐	☐	☐	☒
iii) Schools?	☐	☐	☐	☒
iv) Parks?	☐	☐	☐	☒
v) Other public facilities?	☐	☐	☐	☒

Discussion

a.i) The Proposed Project does not include new fire departments or expansion of fire protection facilities. The Proposed Project would not directly induce substantial population growth required for expansion of fire protective facilities. The construction and operation of the Project would be filled by the local work force so no fire protection facilities to maintain response ratios, service ratios, or other measures of performance would be required. In the event of a fire or other emergency near or at a Proposed Project site, existing fire protection services within the Project area would be able to sufficiently respond to emergency events with existing facilities and staffing capacities. Because the Proposed Project components would not result in the permanent increase in residences or population, no increase in the need for new fire protection facilities would occur. As a result, no impacts would occur because construction of a new fire facility would not be required.

a.ii) The Proposed Project does not include new police departments or expansion of police facilities. The Proposed Project would not directly induce substantial population growth required for expansion of police protective facilities. The construction and operation of the Project would be filled by the local work force so no police protection facilities to maintain response ratios, service ratios, or other measures of performance would be required. In the event of a fire or other emergency at a Proposed Project facility, existing police protection services within the Project area would be able to sufficiently respond to emergency events with existing facilities and staffing capacities. Because the Proposed Project components would not result in the permanent increase in residences or population, no increase in the need for new police protection facilities would occur. As a result, no impacts would occur because construction of a new police facility would not be required.

a.iii) Since the Proposed Project does not propose to construct any additional housing units within the EMWD service area nor would implementation of the Proposed Project result in a substantial increase in new employment opportunities within the region, population growth would not occur within the Project area. No new schools would need to be built in order to maintain acceptable performance objectives. Thus, the Proposed Project would not require the construction of new schools, and no impacts would occur.

a.iv) The Proposed Project does not propose any new housing units or a substantial increase in new employment opportunities within the region. Thus, the Project would not induce population growth, either directly or indirectly, and would not necessitate the construction of additional parks within the Project area in order to meet performance objectives. Therefore, the Proposed Project would not adversely affect parks and no impact would occur.

a.v) The Proposed Project does not propose any new housing units or a substantial increase in new employment opportunities within the region. Thus, the Project would not induce population growth, either directly or indirectly, and would not necessitate the construction of additional public facilities, such as libraries or hospitals, within the Project area. Therefore, the Proposed Project would not adversely affect public facilities of any kind. No impact would occur.

2.16 Recreation

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
16. RECREATION:				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

Discussion

a) There are several parks located in the vicinity of Proposed Project components, such as Oltman Park located approximately 0.5 mile south of the proposed raw water pipeline alignment. The Proposed Project does not propose any new housing units or workers that would temporarily or permanently increase the use of existing parks. Additionally, construction activities would not impact access to Oltman Park or any other park in the vicinity, and it is reasonable to assume that park users would still be able to access local parks within the Proposed Project area. Therefore, implementation of the Proposed Project would not cause the substantial degradation of existing parks or recreational facilities. No impact would occur

b) The raw water conveyance pipeline and EM-25 service connection would be underground and the flow control and chlorination treatment facilities would not affect existing recreational facilities. No new recreational facilities are included in the Proposed Project, nor would they be required in either the City of San Jacinto or the City of Hemet. No impact would occur.

2.17 Transportation

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
17. TRANSPORTATION/TRAFFIC — Would the project:				
a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	☐	☒	☐	☐
b) Would the project conflict with or be inconsistent with CEQA Guidelines section 15064.3 subdivision (b)?	☐	☐	☒	☐
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☒	☐	☐
d) Result in inadequate emergency access?	☐	☒	☐	☐

Discussion

a) ***Circulation System***

The California Department of Transportation (Caltrans) has the discretionary authority to issue special permits for the use of State highways for other than normal transportation purposes. Caltrans also reviews all requests from utility companies, developers, volunteers, nonprofit organizations, and others desiring to conduct various activities within the State Highway right-of-way. The following Caltrans regulations apply to potential transportation and traffic impacts associated with the Proposed Project:

- California Vehicle Code (CVC), division 15, chapters 1 through 5 (Size, Weight, and Load). Includes regulations pertaining to licensing, size, weight, and load of vehicles operated on highways.
- California Street and Highway Code Sections 660-711. Caltrans encroachment regulations would apply to construction of the proposed pipelines within and immediately adjacent to roadways, as well as the transportation of construction crews and construction equipment throughout the Proposed Program and Proposed Project area. Caltrans requires that permits be obtained for transportation of oversized loads, certain materials, and construction-related traffic disturbance.

The Circulation Element of the City of Hemet's General Plan establishes standards for the movement of people, goods, and services throughout the city and proposes concepts, strategies, and implementation measures necessary to support development of the land uses described in the Land Use Element. While there are no applicable goals and policies to the Proposed Program and Project, the Circulation Element identifies designated truck routes for the transportation of goods and freight within the city with the intention of routing truck trips to City arterials so trucks cause the least amount of disruption to residential uses. The Circulation Element identifies the following roadways as designated truck routes.

Construction-related trucks would be required to use these routes as much as possible during construction:

- Florida Avenue;
- Warren Road;
- Sanderson Avenue;
- State Street and San Jacinto Street north of Florida Avenue;
- Menlo Avenue between Sanderson Avenue and San Jacinto Street; and
- Domenigoni Parkway.

The Circulation Element of the City of San Jacinto's General Plan guides the continued development and improvement of the circulation system to support existing and planned development identified in the Land Use Element. While there are no applicable goals and policies to the Proposed Program and Project, the Circulation Element identifies designated truck routes for the transportation of goods and freight within the city to decrease noise and congestion impacts cause by truck trips in urban areas. To avoid these impacts, truck routes are identified on the Ramona Expressway and SR-79 and, where feasible, should be consolidated on arterial roadways through the city to minimize noise and congestion impacts to residential uses.

EM-25 Service Connection, Chlorination Treatment and Flow Control Facilities

Construction truck and vehicle trips would be generated primarily by construction workers commuting and by trucks hauling materials and equipment to and from the selected site for the proposed EM-25 service connection, and chlorination treatment and flow control facilities. Construction trucks and vehicle trips would also temporarily use the staging areas located along Esplanade Avenue as shown on Figure 1-2, and would access the Proposed Project site from these locations. Construction trucks and vehicles would use the regional circulation system as well as the main roadways within the cities of San Jacinto and Hemet, specifically including Warren Road and Esplanade Avenue. Based on the designated construction truck routes established in the Cities' General Plans, construction trucks would primarily use the Ramona Expressway, SR-79, Esplanade Avenue, Warren Road, Sanderson Avenue, and Commonwealth Avenue to bring construction materials and construction workers to the staging areas and to/from the chlorination treatment and flow control facilities site along Esplanade Avenue. While construction of the proposed EM-25 service connection and chlorination treatment and flow control facilities would temporarily generate additional truck and vehicle trips within the cities of San Jacinto and Hemet and the regional circulation system, traffic levels would not substantially increase and would be temporary in nature as traffic levels would return to pre-construction conditions once construction is complete. Additionally, while local drivers could experience increased travel times if they were traveling behind a heavy truck due to slower movement and turning radii compared to passenger vehicles, these delays would be intermittent throughout the day and would cease once construction activities are completed. Further, all construction trucks traveling on Caltrans facilities would be required to comply with CVC, division 15, chapters 1 through 5 (Size, Weight,

and Load) and California Street and Highway Code Sections 660-711, as applicable, to minimize impacts to roadway operations. Therefore, impacts to the applicable program plans, ordinances or policies addressing the circulation system would be less than significant during construction of the chlorination treatment and flow control facilities.

Operation of the EM-25 service connection and chlorination treatment and flow control facilities would include maintenance activities, such as chemical deliveries and onsite chemical use and storage, which would require weekly maintenance consisting of a maximum of two service truck trips per week and one chemical delivery trip per month, or roughly 116 trips annually. While these operational activities would generate additional truck trips on the surrounding local and regional circulation system, the number of truck trips during operation would be minimal and would occur on a limited number of days throughout the year. Since the number of truck trips would be minimal during operation of the Proposed Project, the effects on the surrounding circulation system would be negligible and would not cause existing roadway levels of operation to decrease. Therefore, impacts to the applicable program plans, ordinances or policies addressing the circulation system during operation would be less than significant.

Raw Water Conveyance Pipeline

The raw water conveyance pipeline would be constructed within public rights-of-way, or within property or easements currently owned by EMWD or acquired by EMWD. Construction trucks and vehicle trips would also temporarily use the staging areas located along Esplanade Avenue as shown on Figure 1-2, and would access the Proposed Project site from these locations. Nighttime work be required for installation of the pipeline at the intersection of Esplanade Avenue and Sanderson Avenue, which is anticipated to occur for eight hours each night for three days.

Construction of the raw water conveyance pipeline would not substantially increase traffic levels or travel times on the surrounding circulation systems, as construction trips would be generated by trucks bringing materials to and from the construction sites and daily construction worker vehicle trips. In addition, nighttime construction work would alleviate traffic flows at the intersection of Esplanade Avenue and Sanderson Avenue. However, while construction of the raw water conveyance pipeline wouldn't significantly increase the amount of trucks and vehicles on the local and regional circulation systems, construction activities within roadways would require partial closure of traffic lanes, which may include closures along Esplanade Avenue from Cinnabar Avenue to Sanderson Avenue and Commonwealth Avenue from Sanderson Avenue to Tori Drive, which could significantly impact the performance of applicable roadways. In order to reduce impacts to roadway performance during construction of the conveyance facilities, EMWD would be required to implement Mitigation Measure TRAF-1, which would require the preparation and implementation of a Traffic Control Plan. The Traffic Control Plan would include, but not be limited to, signage, striping, delineated detours, flagging operations, changeable message signs, delineators, arrow boards, and K-Rails that would be used during construction to guide motorists, bicyclists, and pedestrians safely through the construction area and allow for adequate access and circulation to the satisfaction of

the cities of San Jacinto and Hemet. It is anticipated that two to four construction workers would be required for traffic control during pipeline installation. The Traffic Control Plan would be coordinated with the City of San Jacinto and the City of Hemet. Therefore, with implementation of Mitigation Measure TRAF-1, impacts to the local and regional circulation systems during construction of the raw water conveyance pipeline would be reduced to less than significant levels.

Once constructed, the raw water conveyance pipeline would be contained entirely underground and would require minimal maintenance and associated trips on local roadways. Thus, operation of the raw water conveyance pipeline would not affect program plans, ordinances or policies addressing the local or regional circulation systems, and no operational impacts would occur.

Transit, Roadway, Bicycle, Pedestrian Facilities

According to the City of San Jacinto's General Plan, the alternative transportation facilities located in the city in the vicinity of the Proposed Project include Class II bikeways along Esplanade Avenue and Sanderson Avenue. According to the City of Hemet's General Plan, the alternative transportation facilities located in the city in the vicinity of the Proposed Project include a Class II bikeway along Sanderson Avenue and a Class I bikeway along Warren Road.

Construction of the EM-25 service connection and chlorination treatment and flow control facilities would be located on property owned or acquired by EMWD on the north side of Esplanade Avenue, where trucks and vehicle entering and exiting the site could affect the existing bikeway along Esplanade Avenue. Additionally, use of staging areas identified on Figure 1-2 would involve trucks entering and existing the areas from Esplanade Avenue, which could also affect the bikeway. While construction and operation would require heavy trucks and passenger vehicles to utilize the City of San Jacinto and the City of Hemet's regional circulation systems, the presence of these heavy trucks and passenger vehicles would not interfere with the existing operation of the surrounding bicycle lanes and sidewalks. Furthermore, construction and operation of the EM-25 service connection and chlorination treatment and flow control facilities would not inhibit existing transit routes or block bus stops as all trucks and vehicles would be parked onsite or within designated staging areas.

The installation of the raw water conveyance pipeline would occur within the roadway right-of-way of Esplanade Avenue, Sanderson Avenue, and Commonwealth Avenue, where roadway closures would be required which would significantly impact bicycle lanes, sidewalks, and transit routes and bus stops. In order to reduce impacts to alternative transportation facilities during construction of the underground facilities, EMWD would be required to implement Mitigation Measure TRAF-1, which would require the preparation and implementation of a Traffic Control Plan, which includes measures specifically for alternative transportation facilities. The Traffic Control Plan would include, but not be limited to, signage, striping, delineated detours, flagging operations, changeable message signs, delineators, arrow boards, and K-Rails that will be

used during construction to guide motorists, bicyclists, and pedestrians safely through the construction area and allow for adequate access and circulation to the satisfaction of the appropriate local jurisdiction. In addition, the Traffic Control Plan would include detours or alternative routes for bicyclists using on-street bicycle lanes as well as for pedestrians using adjacent sidewalks. The Traffic Control Plan would be coordinated with the City of San Jacinto and the City of Hemet. Therefore, with implementation of Mitigation Measure TRAF-1, impacts to program plans, policies, or ordinances addressing alternative transportation facilities during construction of the underground facilities would be reduced to less than significant.

Once construction of the Proposed Project is complete, operation of alternative transportation facilities would return to pre-construction conditions as the pipelines would be underground and the aboveground facilities would not be located within the roadway rights-of-way. Operation and maintenance of the Proposed Project would be minimal and would not interfere with alternative transportation facilities. Therefore, impacts to alternative transportation facilities during operation would be less than significant.

Mitigation Measures

TRAF-1: Traffic Control Plan. Prior to the start of construction of the raw water conveyance facilities, EMWD shall require the construction contractor to prepare a Traffic Control Plan. The Traffic Control Plan will show all signage, striping, delineated detours, flagging operations and any other devices that will be used during construction to guide motorists, bicyclists, and pedestrians safely through the construction area and allow for adequate access and circulation to the satisfaction of the City of San Jacinto and the City of Hemet. The Traffic Control Plan shall be prepared in accordance with the City of San Jacinto and the City of Hemet's traffic control guidelines and will be prepared to ensure that access will be maintained to individual properties, and that emergency access will not be restricted. Additionally, the Traffic Control Plan will ensure that congestion and traffic delay are not substantially increased as a result of the construction activities. Further, the Traffic Control Plan will include detours or alternative routes for bicyclists using on-street bicycle lanes as well as for pedestrians using adjacent sidewalks. In addition, EMWD shall provide written notice at least two weeks prior to the start of construction to owners/occupants along portions of Esplanade Avenue. Sanderson Avenue, and Commonwealth Avenue to be affected during construction.

During construction, EMWD shall verify that the construction contractor has maintained continuous vehicular and pedestrian access to any affected residential driveways from the public street to the private property line, except where necessary construction precludes such continuous access for reasonable periods of time. Access will be reestablished at the end of the workday. If a driveway needs to be closed or interfered with as described above, EMWD shall notify the owner or occupant of the closure of the driveway at least five working days prior to the closure. The Traffic Control Plan shall include provisions to ensure that the construction of the conveyance pipeline does not interfere unnecessarily with the work of other agencies such as mail delivery, school buses, and municipal waste services.

EMWD shall also notify local emergency responders of any planned partial or full lane closures or blocked access to roadways or driveways required for Proposed Program facility construction. Emergency responders include fire departments, police departments, and ambulances that have jurisdiction within the Proposed Project area. Written notification and disclosure of lane closure location must be provided at least 30 days prior to the planned closure to allow emergency response providers adequate time to prepare for lane closures.

b) "Vehicle miles traveled" refers to the amount and distance of automobile travel attributed to a project. Up to 10 workers would be required during various phases of pipeline installation and construction of the EM-25 service connection, flow control facility, and chlorination treatment facility, which would access the staging areas from the local area. These trips would be temporary over the 17-month installation and would not result in any perceivable increase in vehicle miles traveled that would exceed a City or County threshold of significance. Construction of the Proposed Project would not be inconsistent with CEQA Guidelines Section 15064.3 subdivision (b) and impacts would be less than significant.

Truck trips associated with operation and maintenance of the Proposed Project would be relatively limited to weekly maintenance for the EM-25 service connection, flow control facility, and chlorination treatment facility, consisting of a maximum of two service truck trips per week and one chemical delivery trip per month, which equates to approximately 116 annual trips. The raw water conveyance pipeline would require occasional maintenance and inspection, where truck trips would be generated on an as-needed basis throughout the year. Vehicle miles generated during operation and maintenance of the Proposed Project would be minimal and sporadic and would not cause a substantial decrease in the performance of existing roadways within the regional circulation system. Thus, operation and maintenance of the Proposed Project would not be inconsistent with CEQA Guidelines Section 15064.3 subdivision (b) and impacts would be less than significant.

c) The Proposed Project would not alter existing roadways, nor include any hazardous design features such as sharp curves or dangerous intersections. All roadways subject to raw water pipeline construction would be restored to pre-Project conditions. There is a potential for partial road closures during construction of the Proposed Project. The presence of construction vehicles and equipment along roadways would temporarily introduce potential safety hazards to motorists, cyclists, and pedestrians during Project construction. However, implementation of Mitigation Measure TRAF-1 would require the preparation and implementation of a Traffic Control Plan for roadways which require partial closures during construction to minimize the effects on roadway safety. Therefore, with implementation of Mitigation Measure TRAF-1, construction of the Proposed Project would not result in a hazardous design feature or incompatible use within the Proposed Project area. Impacts during construction would be less than significant.

Mitigation Measures

Implement Mitigation Measure TRAF-1.

d) **EM-25 Service Connection, Chlorination Treatment and Flow Control Facilities**

As explained above under Issue a) above, construction truck and vehicle trips would be generated primarily by construction workers commuting and trucks hauling materials and equipment to and from the selected site for the proposed EM-25 service connection, and the chlorination treatment and flow control facilities. Construction trucks and vehicle trips would also temporarily use the staging areas located along Esplanade Avenue as shown on Figure 1-2, and would access the Proposed Project site from these locations. Construction trucks and vehicles would use the regional circulation system as well as the main roadways within the cities of San Jacinto and Hemet. Based on the designated construction truck routes established in the Cities' General Plan, construction trucks would primarily use the Ramona Expressway, SR-79, Esplanade Avenue, Warren Road, Sanderson Avenue, and Commonwealth Avenue to bring construction materials and construction workers to the recharge facilities sites.

Emergency access would be provided to the chlorination treatment and flow control facilities site via Esplanade Avenue and Warren Road. Construction trucks and vehicles would access the site intermittently throughout the day and would not interfere with emergency access to the facilities. Furthermore, all construction trucks and vehicles would adhere to all applicable roadway regulations and standards related to emergency access. Therefore, adequate emergency access would be provided during construction of the EM-25 service connection and chlorination treatment and flow control facilities.

Operation of the EM-25 service connection and chlorination treatment and flow control facilities would require weekly maintenance consisting of a maximum of two service truck trips per week and one chemical delivery trip per month, which equates to approximately 116 annual trips. While these operational activities would generate additional truck trips on the surrounding local and regional circulation system, trucks and vehicles accessing the site would be sporadic and would be required to comply all applicable roadway regulations and standards related to emergency access. Therefore, operation of the chlorination treatment and flow control facilities would not result in inadequate emergency access. Impacts would be less than significant.

Raw Water Conveyance Pipeline

The raw water conveyance pipeline would be constructed within public rights-of-way where possible, or within property or easements currently owned by EMWD or acquired by EMWD. Nighttime work would be required for installation of the pipeline at the intersection of Esplanade Avenue and Sanderson Avenue, which is anticipated to occur for eight hours each night for three days. Emergency access to the underground facilities would be provided via Esplanade Avenue, Warren Road, Commonwealth Avenue, Sanderson Avenue, and Kirby Street. While construction of the underground facilities would not substantially increase traffic levels on the surrounding roadways, construction activities within roadways would require partial closure of traffic lanes, potentially including closures along Esplanade Avenue from Cinnabar Avenue to Sanderson Avenue and Commonwealth Avenue from Sanderson Avenue to Tori Drive, which could affect

emergency access routes and times. In order to reduce impacts to emergency access during construction of the conveyance facilities, EMWD would be required to implement Mitigation Measure TRAF-1, which would require the preparation and implementation of a Traffic Control Plan. The Traffic Control Plan would include, but not be limited to, signage, striping, delineated detours, flagging operations, changeable message signs, delineators, arrow boards, and K-Rails that would be used during construction to guide motorists, bicyclists, and pedestrians safely through the construction area and allow for adequate access and circulation to the satisfaction of the cities of San Jacinto and Hemet. In addition, the Traffic Control Plan would be coordinated with the City of San Jacinto and the City of Hemet, as well as emergency responders, which include fire departments, police departments, and ambulances that have jurisdiction within the Proposed Project area. Approximately two to four construction workers would be required to implement the traffic control plan during construction. Therefore, with implementation of Mitigation Measure TRAF-1, impacts related to emergency access during construction of the underground facilities would be reduced to less than significant.

Once constructed, the raw water conveyance pipeline would be contained entirely underground and would require minimal maintenance and associated trips on local roadways. Thus, operation of the raw water conveyance pipeline would not affect the performance of the local or regional circulation systems, and no operational impacts would occur.

Mitigation Measures

Implement Mitigation Measure TRAF-1.

2.18 Tribal Cultural Resources

Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
18. Tribal Cultural Resources — Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	☐	☐	☐	☒
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☐	☐	☒

Discussion

California Assembly Bill (AB) 52, through its implementing regulations, requires that lead agencies consult with California Native American tribes that are traditionally and culturally affiliated with the geographic area of the Proposed Project and who have requested in writing to be informed by the lead agency of proposed projects in the tribe's geographic area (PRC Section 21080.3.1(b) and (d)). Pursuant to AB 52, EMWD as the CEQA Lead Agency sent AB 52 consultation notification letters via certified mail on August 22, 2018 to six Native American groups affiliated with the Project's geographic area (**Table 2-14**). The letters included a description of the Proposed Project and provided a map figure depicting the Project location.

In a letter dated September 12, 2018, Katie Croft, Archaeologist with the Agua Caliente Band of Cahuilla Indians' Tribal Historic Preservation Office, defers to the Soboba Band of Luiseño Indians and concludes Agua Caliente's AB 52 consultation efforts for the Project.

In a letter dated September 28, 2018, Joseph Ontiveros, Cultural Resources Director for the Soboba Band of Luiseño Indians, requested formal AB 52 consultation with EMWD regarding the Proposed Project. In a letter dated November 6, 2018, EMWD responded initiating AB 52 consultation. EMWD followed up with an email to Joseph Ontiveros on January 10, 2019. On January 16, 2019, an AB 52 consultation was held via conference call between Mr. Ontiveros and EMWD. Mr. Ontiveros stated that numerous prehistoric isolated artifacts have been identified during construction of development projects in the vicinity of the Project area and expressed concern that Project construction could result in the inadvertent discovery of archaeological materials. Mr. Ontiveros recommended that, in the case of the inadvertent discoveries of prehistoric archaeological materials, the materials be reburied on site or in the Project vicinity as opposed to being hosed at a curation facility. Based on Mr. Ontiveros' recommendation, Mitigation Measure CUL-5 described above in Section 2.5, *Cultural Resources* outlines measures to be taken for the reburial of prehistoric archaeological materials should they be recovered

during Project construction. Mr. Ontiveros did not indicate the presence of specific tribal cultural resources within or adjacent to the Project area.

TABLE 2-14
SUMMARY OF AB 52 CONSULTATION

Contact	Tribe/Organization	Date Notification Sent	Response Received	EMWD Response	Meetings
Katie Croft, Archaeologist	Agua Caliente Band of Cahuilla Indians	8/22/2018	9/12/2018 - Letter deferring to Soboba and concluding consultation efforts for the Project	-	-
Travis Armstrong, Cultural Resources Specialist	Morongo Band of Mission Indians	8/22/2018	-	-	-
Ebru Ozdil, Planning Specialist	Temecula Band of Luiseño Mission Indians	8/22/2018	-	-	-
Destiny Colocho, Cultural Resources Department	Rincon Band of Luiseño Indians	8/22/2018	-	-	-
Joseph Ontiveros, Cultural Resources Director	Soboba Band of Luiseño Indians	8/22/2018	9/27/2018 - Letter requesting AB 52 consultation meeting	11/6/2018 - Letter initiating AB 52 consultation meeting, follow up email on 1/10/19	1/16/2019 – AB 52 Consultation held via conference call
Jessica Mauck, Cultural Resources Analyst	San Manuel Band of Mission Indians	8/22/2018	-	-	-

A SLF search for the Proposed Project was requested from the NAHC on August 27, 2018. The results letter provided by the NAHC on August 27, 2018 indicates that cultural sites are present, but did not provide additional details regarding the location of the cultural sites. The NAHC recommended contacting the Soboba Band of Luiseño Indians, the Los Coyotes Band of Cahuilla and Cupeño Indians, and Geraldine Ibanez[9] of the Torres-Martinez Desert Cahuilla Indians for more information. Based on the information provided by these tribes to EMWD, no tribal cultural resources have been identified within the Project area.

a) **No Impact.** No tribal cultural resources were identified as a result of the consultation with the Soboba Band of Luiseño Indians. Therefore, no tribal cultural resources that are listed in or eligible for listing in the California Register, or in a local register of historical resources as defined in PRC Section 5020.1(k) would be impacted by the Project and no mitigation is required. No impact would occur.

[9] An internet search for additional contact information for Ms. Ibanez indicated that she passed away in 2001.

b) **No Impact**. No tribal cultural resources were identified as a result of the consultation with the Soboba Band of Luiseño Indians. Therefore, no tribal cultural resources that have been determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of PRC Section 5024.1, would be impacted by the Project and no mitigation is required. No impact would occur.

2.19 Utilities and Service Systems

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
19. UTILITIES AND SERVICE SYSTEMS — Would the project:				
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications, the construction of which could cause significant environmental effects?	☐	☐	☒	☐
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☐	☐	☒
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

Discussion

a) The Proposed Project would result in construction and operation of water conveyance and chlorination treatment facilities, the environmental effects of which are evaluated throughout this Draft IS/MND. No other water or wastewater treatment facilities would be constructed, and as such, no impact would occur.

As discussed within Section 2.10(e), construction of the Proposed Project would temporarily alter surface water flow due to ground-disturbing activities. However, with implementation of the Project-specific SWPPP, BMPs would minimize the potential for flooding, reducing water flow to stormwater drainage systems. Therefore, construction of the Proposed Project would not require construction or expansion of new stormwater facilities.

In infrequent cases, water within the pipeline would be drained near the EM-25 connection when recharge is not possible, or prior to a pipeline repair or maintenance activities. The pipeline would be designed to drain the entire Proposed Project reach in a controlled manner, with a total water volume of approximately 2 million gallons. Water could be discharged one of three ways: to the San Diego Canal, local storm drain facilities, or the EMWD sewer system. If raw water is discharged into the San Diego Canal, the volume associated with the infrequent drained water would be far below capacity within the San Diego Canal. EMWD would coordinate with MWD to ensure discharges are accommodated within existing capacity. If water is discharged into the

local storm drain system (during non-storm periods), the existing stormwater drainage facilities along Esplanade Avenue would be able to accommodate this infrequent disposal, and no new stormwater drainage facilities would be required. EMWD would be required to coordinate with the Riverside County Flood Control and Water Conservation District and the City of San Jacinto to ensure discharges do not exceed existing stormwater drainage capacity. If raw water is discharged into the EMWD sewer system, water would be conveyed to a sewer manhole located approximately 600 feet east of the EM-25 service connection within Esplanade Boulevard. As the Proposed Project proponent, EMWD would ensure adequate capacity exists prior to pipeline draining. As a result, impacts would be less than significant.

For impacts related to electrical power and natural gas, please see Section 6(a); impacts would be less than significant. No telecommunication facilities would be constructed as a part of this Project; no impacts would occur.

b) The Proposed Project facilities would require minimal water amounts during construction for purposes including dust control and concrete mixing. New or expanded supply entitlements would not be required during the Proposed Project facilities construction. The Project would convey water within the Project area as part of a larger ERRP groundwater banking program. The Project would use existing water supply entitlements for purposes of recharge and groundwater banking. This recharge and groundwater banking would actually increase supplies. No new water supply entitlements would be required for Project operation and as such, no impact would occur.

c) See the discussion in Section 2.19(a) above; impacts would be less than significant.

d) Construction of the Project would entail installation of underground pipeline and excavation of soil. Excavated soils would be reused as backfill and otherwise disposed of offsite at a local disposal facility. It is estimated that approximately 17,500 cubic yards of soil may need to be disposed of offsite from installation of the pipeline. The Lamb Canyon sanitary landfill, located approximately 12 miles north of the Proposed Project, has 19,242,950 cubic yards of remaining capacity as of 2018 (CalRecycle 2018). The Lamb Canyon landfill is anticipated to close in 2029, and would have room to accommodate soil waste generated during construction. Therefore, substantial remaining capacity combined with mandatory construction waste diversion requirements would result in less than significant impacts related to local infrastructure capacity during construction of the Proposed Project facilities.

e) Construction and operation of the Proposed Project would comply with federal and state regulations related to solid waste, which would determine the landfill to be used for disposal of construction debris, as well as waste from recharge basins maintenance and solid waste from operation of water treatment/chlorination facilities. As such, impacts would be less than significant.

References

Cal Recycle, 2018. WIS Facility Detail, Lamb Canyon Sanitary Landfill (33-AA-0007). Accessed https://www2.calrecycle.ca.gov/swfacilities/Directory/33-AA-0007, December 31, 2018.

2.20 Wildfire

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
19. Wildfire—If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☒	☐	☐
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risk, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☒
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☒	☐
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☒

Discussion

a) While use of staging areas and construction of the EM-25 service connection, flow control facility, and chlorination treatment facility would occur on land owned or acquired by EMWD and not within a right-of-way, the conveyance facilities would be constructed within approximately 2.5 miles of roadway rights-of-way within the City of Hemet and City of San Jacinto. For the portions of the alignment located within rights-of-way, construction of the conveyance facilities could impair implementation of or physically interfere with an adopted emergency response plan. However, with implementation of Mitigation Measure TRAF-1, which would require coordination with local emergency responders regarding lane closures, potential impacts to emergency response would be reduced to a less than significant level.

During operation, the Proposed Project facilities would require a maximum of two service truck trips per week and one chemical delivery trip per month, and would not physically interfere with an adopted emergency response plan or emergency evacuation plan. Impacts would be less than significant.

Mitigation Measures

Implement Mitigation Measure TRAF-1.

b) The Proposed Project is not located on a slope. The majority of facilities would be installed within public rights-of-ways, with approximately 1.4 acre of concrete and steel infrastructure that would be low profile and would not contribute to the spread of a wildfire via winds or other factors. No impact would occur.

c) The Proposed Project is not located within an area that is designated by CAL FIRE as a 'very high fire hazard zone' (CAL FIRE 2007). However, the EM-25 service connection and western portion of the raw water conveyance line as well as the chlorination treatment and flow control facilities are in proximity to 'very high fire hazard zones' immediately west of the Proposed Project area. All construction must comply with fire protection and prevention requirements specified by CCR and Cal/OSHA. This includes various measures such as easy accessibility of firefighting equipment, proper storage of combustible liquids, no smoking in service and refueling areas, and worker training for firefighter extinguisher use. With adherence to applicable laws and regulations, impacts would be reduced to a less than significant level.

During operation, the Proposed Project facilities would not substantially add to the area's fire risk. Conveyance facilities would operate belowground and would thus not catch fire during wildland fires. Aboveground chlorination treatment and flow control facilities would not be constructed of highly flammable materials and would hold water during much of their operation, thereby reducing their flammability. Therefore, Proposed Project impacts related to wildland fires during operation would be less than significant.

d) The Proposed Project is not located on a downward slope that could result in post-fire slope instability. As discussed in Sections 2.7(a)(iv), 2.7(c), 2.10(c)(ii), and 2.10(c)(i), the Project would not result in increased drainage or runoff that could contribute to landslide or flooding impacts. No impact would occur.

References

CAL FIRE, 2007. Western Riverside County Draft Fire Hazard Severity Zones in LRA. September 20, 2007.

2.21 Mandatory Findings of Significance

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
20. MANDATORY FINDINGS OF SIGNIFICANCE —				
a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☒	☐	☐
b) Does the project have impacts that are individually limited but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	☐	☒	☐	☐
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☐

Discussion

a) As discussed above within Section 2.4, *Biological Resources*, construction of the Proposed Project has the potential to affect coastal whiptail (*Aspidoscelis tigris* ssp. *stejnegeri*) and burrowing owl (*Athene cunicularia*), which are both special-status species. In addition, construction of the Proposed Project would have the potential to disrupt nesting and foraging habitat for a variety of common bird species known to occur in urban environments that are protected under the federal and state law or code. However, implementation of Mitigation Measures BIO-1 through BIO-3 would ensure that impacts to biological resources are mitigated to a less than significant level. As discussed above in within Section 2.5, *Cultural Resources*, while there are two known historic resources within the Proposed Project area, construction of the Project would not result in direct or indirect impacts to either resource. However, construction of the Proposed Project could potentially encounter unknown archaeological or human remains. With implementation of Mitigation Measures CUL-1 through CUL-6, impacts would be reduced to a less than significant level. Once constructed, operation of the Proposed Project would have no long-term permanent impacts to biological or cultural resources.

Mitigation Measures

Implement Mitigation Measures BIO-1 through BIO-3, and CUL-1 through CUL-6.

b) A cumulative impact could occur if the Proposed Project would result in an incrementally considerable contribution to a significant cumulative impact in consideration of past, present, and reasonably foreseeable future projects for each resource area. No direct significant impacts were identified for the Proposed Project that could not be mitigated to

a less than significant level. However, when combined with other projects within the vicinity, the Proposed Project may result in a contribution to a potentially significant cumulative impact.

The Proposed Project does not include any mineral resources that could be impacted and would have no effect on population and housing, public services, or recreation. In addition, impacts would be less than significant, either with or without mitigation, for aesthetics, biological resources, agriculture and forestry resources, cultural resources, energy, geology and soils, GHG emissions, hazards and hazardous materials, hydrology and water quality, land use and planning, tribal cultural resources, utilities and service systems, and wildfire. The impacts to these environmental topic areas would be localized to the Project site, would be able to be reduced to a less than significant level with mitigation measures, and would not combine with other nearby projects to create a cumulatively considerable impact. As a result, cumulative impacts related to these resources would be less than significant.

Cumulative impacts to air quality are discussed in Section 2.3(b). Noise and traffic impacts that are generated by construction activities would be short-term mainly resulting from construction occurring in short durations along the proposed raw water pipeline route. While air quality, traffic and noise impacts are temporary and are associated with construction, one cumulative project has the potential to combine together with the impacts of the Proposed Project to create a significant impact related to these areas. The City of San Jacinto is conducting a road widening project of Esplanade Avenue, from the intersection of Warren Road to Sanderson Avenue in the cities of Hemet and San Jacinto. The project would increase the roadway from two lanes to four lanes, and is likely to begin construction in the spring of 2020. Construction would involve adding lane space on the northern portion of the alignment. As discussed throughout this document, the Proposed Project alignment would be installed within the roadway right-of-way of Esplanade Avenue. Depending on the timing of the widening of that roadway by the City of San Jacinto, EMWD would construct the alignment within the current roadway right-of-way or future roadway right-of-way located immediately north of the current alignment (or a combination of both current and future, depending on the timing of both construction projects). As a result, the Proposed Project and the road widening project would occur at different times and along different segments within Esplanade Avenue. Implementation of Mitigation Measures AQ-1, AQ-2, NOI-1, NOI-2, and TRAF-1, would ensure impacts Project are less than significant and would not result in cumulatively considerable impacts. Additionally, EMWD would continue coordination with the City of San Jacinto regarding Project phasing to minimize temporary impacts to air quality localized significance thresholds, ambient noise levels and traffic closures and detours for construction along Esplanade Avenue. As a result, impacts would be reduced to a less than significant level.

Mitigation Measures

Implement Mitigation Measures AES-1, AES-2, AQ-1, AQ-2, BIO-1, BIO-2, BIO-3, CUL-1 through CUL-6, GEO-1 through GEO-4, NOI-1 through NOI-3, and TRAF-1.

c) With implementation of mitigation measures included in this IS/MND, the Proposed Project would not result in substantial adverse effects to humans, either directly or indirectly.

Mitigation Measures

Implement Mitigation Measures AES-1, AES-2, AQ-1, AQ-2, BIO-1, BIO-2, BIO-3, CUL-1 through CUL-6, GEO-1 through GEO-4, NOI-1 through NOI-3, and TRAF-1.

Appendix AQ
Air Quality Appendix

EMWD San Jacinto Valley Raw Water Conveyance Facilities
Air Quality Appendix

Assumptions

EMWD San Jacinto Valley Raw Water Conveyance Facilities
Assumptions

The Proposed Project involves construction of a 2.5-mile conveyance pipeline to provide increased capacity for delivery of imported raw water to the Mountain Avenue recharge sites and to EMWD's existing Integrated Recharge and Recovery Program (IRRP) ponds.

The Proposed Project consists of a connection to MWD's Inland Feeder Pipeline (referred to as the EM-25 connection), a flow control facility, disinfection facilities, and a 60-inch diameter raw water transmission pipeline to convey raw water from the connection point to EMWD's existing SJVFP near the intersection of Kirby Road and Commonwealth Avenue in the City of Hemet.

The facilities evaluated in this Initial Study / Mitigated Negative Declaration (IS/MND) tier off the San Jacinto Valley Water Banking – Enhanced Recharge and Recovery Program (ERRP) certified Program Environmental Impact Report (PEIR), 2018.

CalEEMod Inputs (Non-Default information only)

Project Location	
County	Riverside County
Air District	SCAQMD
Climate Zone	10
Operational Year	2022 (first full operational year)
Utility Provider	Southern California Edison
Source Receptor Area (SCAQMD)	28

	Base	2015[1]	2020[1]	2030
CO intensity	702.4363	531.7443	411.6277	351.2182
% renewable	0%	24.30%	41.40%	50.00%

Land Use	Building SQFT	Building KFS	(seat/ room/ space)	Acres	CalEEMod Land Use Type
Disinfection and FC facilities	10,240	10.24	-	1.4	General Light Industrial
Pipeline	-	-	-	11	Other Asphalt Surfaces

Construction

Construction Schedule

Phases / Activity	Project Schedule Start (month/date/ year)	Project Schedule Finish (month/date/ year)	Days[6]	Modeled Schedule Start (month/date/ year)	Modeled Schedule Finish (month/date/ year)	CalEEMod Source
EM-25, FC & Disinfection Facility	12/1/2019	3/31/2021	352			
Site Preparation			3	1/1/2019	1/3/2019	Site Preparation
Excavation/Mass Site Grading			5	1/1/2019	1/7/2019	Grading
Foundation			10	1/1/2019	1/14/2019	Building Construction
Facility Installation			319	1/1/2019	4/3/2020	Building Construction
Startup			1	1/1/2019	1/1/2019	Building Construction
Testing			14	1/1/2019	1/18/2019	Building Construction
Pipe Installation	5/1/2020	4/30/2021	264			
Demolition			262	1/2/2019	1/2/2020	Demolition
Excavation/trenching			262	1/3/2019	1/3/2020	Grading
Paving			262	1/4/2019	1/6/2020	Paving

Notes:

1. The project is modeled to occur December 2019 through April 2021 (17 months). While the project most likely will not begin construction until 2020, the 2019 construction fleet is a more conservative (has slightly higher emissions) than the 2020 fleet and therefore allows for flexibility in construction schedule. Additionally, as equipment would be anticipated to stay onsite throughout the duration (i.e. they will not replace the equipment onsite just because it is a new calendar year) the fleet emissions for 2019 are more appropriate for the entirety of the Project duration. Therefore all equipment is assumed to be a 2019 fleet mix.

2. Construction would occur Monday through Friday from 7 am to 4 pm
3. Nighttime work is anticipated for the installation of pipeline along Sanderson avenue and last 3 months. Nighttime work will occur in place of daytime hours not in addition to.
4. pipeline installed at 50 feet per day (12 months)
5. Facilities installed over 16 months
6. Total phase days were determined by the Project Description. Individual subphases (such as site prep and grading) are based on CalEEMod and previous project experience. Pipeline assumes 50 feet per day per activity, therefore at any given time 150 feet of pipeline could be actively under construction (demolition, excavation and pipe installation, paving).

7. While construction of the two phases will overlap, construction of the individual subphases (such as site preparation and grading) will not overlap. However as a worst case emissions estimate from onsite equipment all subphases are modeled to start in 2019.
8. Construction of the EM-25 service connection will occur over a total of 375 days (12.5 months). However, the actual construction will only occur over 352 days. The remaining time is for mobilization and administrative activities such as contracts, insurance, bonds, approvals, submittals, project close-out, etc. Therefore, the construction schedule above reflects only the time where actual construction activities would occur.

EM-25, FC & Disinfection Facility

** Equipment is identified based on CalEEMod defaults and PD

Site Preparation

Phase Type Site Preparation

Soil Import/Export

0 Cubic/yards of soil import
0 cubic/yards soil export
0 trucks

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Grader	1	8	Default	Default	Grader
Rubber Tired Dozer	1	8	Default	Default	Rubber Tired Dozer
Tractors/Loaders/Backhoes	1	8	Default	Default	Tractors/Loaders/Backhoes
Water Truck	1	4	Default	Default	Off Highway Truck

Excavation/Mass Site Grading

Phase Type Grading

Soil Import/Export

0 Cubic/yards of soil import
0 cubic/yards soil export
0 trucks

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Grader	1	8	Default	Default	Grader
Rubber Tired Dozer	1	8	Default	Default	Rubber Tired Dozer
Tractors/Loaders/Backhoes	1	8	Default	Default	Tractors/Loaders/Backhoes
Water Truck	1	4	Default	Default	Off Highway Truck

Foundation

Phase Type Building Construction

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Generator Set	1	8	Default	Default	Generator Set
Tractor/loaders/backhoes	1	8	Default	Default	Tractor/loaders/backhoes
Cement and Mortor Mixers	1	6	Default	Default	Cement and Mortor Mixers
Compactor	1	8	Default	Default	plate compactor

Facility Installation

Phase Type Building Construction

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Generator Set	1	8	Default	Default	Generator Set
Forklift	1	8	Default	Default	Forklift
Tractor/loaders/backhoes	1	7	Default	Default	Tractor/loaders/backhoes
Welders	1	6	Default	Default	Welders

Startup

Phase Type Building Construction

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Generator Set	1	8	Default	Default	Generator Set

Testing

Phase Type Building Construction

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Generator Set	1	8	Default	Default	Generator Set

Pipe Installation

** Equipment is identified based on CalEEMod defaults and PD. Equipment is based on 50 linear feet per day of disturbance per sub phase.

Demolition

Phase Type Demolition

Import/Export

1,712	Tons of roadway debris
13,200	linear feet of roadway
10	width of roadway (ft.)
132,000	sq. ft. area of disturbance
0.5	(feet - depth of asphalt
66000	cubic feet
2444.442	cubic yards (debris)
0.7	tons/cy
169	trucks (CalEEMod Default)

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Concrete/Industrial Saws	1	8	Default	Default	Concrete/Industrial Saws
Excavator	1	8	Default	Default	Excavator
Tractors/Loaders/Backhoes	1	8	Default	Default	Tractors/Loaders/Backhoes

*Water truck modeled under facility construction.

Excavation/trenching

Phase Type Grading

Soil Import/Export

0	Cubic/yards of soil import
12,500	cubic/yards soil export
1,562	trucks (CalEEMod Default)

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Rubber Tired Dozer	1	8	Default	Default	Rubber Tired Dozer
Tractors/Loaders/Backhoes	1	8	Default	Default	Tractors/Loaders/Backhoes
Excavator	1	8	Default	Default	Excavator

Paving

Phase Type Paving

11.00 acres to be paved
2.00 vendor trips per day (1 round trip) Estimate of asphalt delivery

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Pavers	1	8	Default	Default	Pavers
Rollers	1	8	Default	Default	Rollers
Tractors/loaders/backhoes	1	8	Default	Default	Tractors/loaders/backhoes

Construction Trips and Vehicle Miles Traveled[2]

		Worker		Vendor		Haul	
Phase Name	**# Workers**	**# Trips**	**VMT/Trip**	**# Trips**	**VMT/Trip**	**# Trucks**	**VMT/Trip**
EM-25, FC & Disinfection Facility							
Site Preparation	4	10	default	0	default	0	default
Excavation/Mass Site Grading	4	10	default	0	default	0	default
Foundation	4	10	default	0	default	0	default
Facility Installation	4	10	default	2	default	0	default
Startup	5	13	default	0	default	0	default
Testing	5	13	default	0	default	0	default
Pipe Installation							
Demolition	7	8	default	0	default	169	default
Excavation/trenching	6	8	default	0	default	1,562	default
Paving	3	8	default	2.00	default	0	default

Note:

1 All trips indicated in this table are one-way trips

2 Worker and Vendor trips are number of one-way trips per day. Haul trips are total number of one-way trips associated with the phase

3 Workers for pipe installation include 4 extra daily workers for traffic control. In general number of workers is determined by the pieces of equipment operating. Worker trips is determined by the pieces of equipment operating times a trip rate of 2.5 trips per person (assumes some offsite travel for lunch etc.)

Operational

Mobile source emissions

Are there new employees to conduct the weekly maintenance?
What is the anticipated travel distance for the weekly maintenance?
Delivery trucks — 5 deliveries per month. Will assume a max of 2 per day for "worst case" day

Maintenance would require 2, 1/2-ton pick-up trucks per week. 2 round trips, 4 one-way trips.
Trips are calculated from the Existing Hemet Water Filtration Plant which is approximately 2.5 miles one way from the furthest Proposed Chlorination/FCF Facility.

2.5	one way - Worker/Maintenance
10	miles round trip per week
520	miles round trip per year - Worker/Maintenance
16.6	one way trip - deliveries
166	miles round trip per month
1,992	miles round trip per year - Deliveries
2,512	Total Annual Miles
0.0692	miles per square foot (CalEEMod Entry)
21%	% C-C Trip
79%	% C-W Trip

Area source emissions

Defaults used — Except architectural coating and paving which would be non-existent

Energy Use

Electricity:

20000	kw-hr annually - EM-25 turnout: lighting, motorized valve actuator, ultrasonic flow meter
20000	kw-hr annually - EM-25 FCF: Lighting, valves actuator, injection pumps, analyzer
295,000	kw-hr annually - Commonwealth Booster Pump Station, 3 pumps and 1 -standby
20,000	kw-hr annually - Devil Canyon Metering: Lighting, motorized valve actuators, ultrasonic flow meter
355,000	Total annual kw-hrs. used.
34.67	kWh/sqft/year

0	kBTU/year	Natural Gas

Water and Wastewater

0	g/year	indoor usage
0	g/year	outdoor usage (is there any water use for landscaping or associated with the maintenance?

16 inch drain line and pump well - pumped to existing storm drain not to sewer, no energy consumption from water disposal.

Solid Waste

0	tons/year	generated by maintenance activities

Unmitigated Construction Emissions Summary

EMWD San Jacinto Valley Raw Water Conveyance Facilities

Maximum Daily Unmitigated Construction Emissions

CalEEMod 2016.3.2

Title: EMWD SJVRWC Date: 3/28/2019

Unmitigated Construction

	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
	lbs/day					
Faility - Site Prep	2	25	11	<1	3	2
Facility- Excavation and Mass Grading	2	25	11	<1	4	3
Facility - Foundation	1	4	5	<1	<1	<1
Facility - Installation	1	9	9	<1	1	1
Facility - Start-up	1	4	4	<1	<1	<1
Facility - Testing	1	4	4	<1	<1	<1
Pipeline Installation	5	45	30	<1	5	3
Facility Site Prep & Pipeline Installation	7	70	40	<1	9	6
Facility Excavation & Mass Grading & Pipeline Installation	7	70	40	<1	9	7
Facility Excavation & Foundation	5	49	34	<1	5	4
Facility Installation & Pipeline Installation	6	54	38	<1	6	4
Facility Start-up & Pipeline Installation	5	49	34	<1	5	4
Facility Testing & Pipeline Installation	5	49	34	<1	5	4
Max Daily Emissions	7	70	40	<1	9	7
SCAQMD Thresholds	75	100	550	150	150	55
Significant	**No**	**No**	**No**	**No**	**No**	**No**

EMWD San Jacinto Valley Raw Water Conveyance Facilities

Maximum Daily Unmitigated Construction Emissions

Unmitigated Construction

	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
	lbs/day Winter					
Faility - Site Prep	2.26	24.62	10.78	0.03	3.43	2.26
Facility- Excavation and Mass Grading	2.26	24.62	10.78	0.03	4.41	3.36
Facility - Foundation	0.58	4.34	4.52	0.01	0.36	0.28
Facility - Installation	1.16	8.73	8.70	0.01	0.67	0.56
Facility - Start-up	0.51	3.82	4.19	0.01	0.37	0.27
Facility - Testing	0.51	3.82	4.19	0.01	0.37	0.27
Pipeline Installation	4.52	45.16	29.36	0.06	5.07	3.47
Facility Site Prep & Pipeline Installation	6.78	69.78	40.15	0.08	8.50	5.73
Facility Excavation & Mass Grading & Pipeline Installation	6.78	69.78	40.15	0.08	9.48	6.84
Facility Excavation & Foundation	5.10	49.50	33.89	0.06	5.43	3.75
Facility Installation & Pipeline Installation	5.68	53.89	38.06	0.07	5.74	4.04
Facility Start-up & Pipeline Installation	5.03	48.98	33.55	0.06	5.44	3.74
Facility Testing & Pipeline Installation	5.03	48.98	33.55	0.06	5.44	3.74

Activity Ovelrap:

1. Facility Site Prep and Facility Excavation and Mass Grading would occur independent of each other but could overlap with Pipeline installation.
2. Facility Installation may overlap with Pipeline installation, but with no other facility construction activities.
3. Facility Start-up may overlap with Pipeline installation, but with no other facility construction activities.
4. Facility Testing may overlap with Pipeline installation, but with no other facility construction activities.
5. Pipeline installation phases are all anticpated to overlap. I.e. one fifty-foot segment would be demolished, while another is being excavated and a third is being backfilled and paved.

		Winter					
		ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Faility - Site Prep	Fugitive					2.2312	1.2264
	Onsite	2.2091	24.5862	10.4232	0.0249	1.0867	0.9997
	Offsite					0.1118	0.0296
	Exhaust	0.0538	0.035	0.3601	1.02E-03	6.90E-04	6.40E-04
	Total	**2.2629**	**24.6212**	**10.7833**	**0.02592**	**3.43039**	**2.25634**
Facility- Excavation and Mass Grading	Fugitive					3.2135	1.3325
	Onsite	2.2091	24.5862	10.4232	0.0249	1.0867	2
	Offsite					0.1118	0.0296
	Exhaust	0.0538	0.035	0.3601	1.02E-03	6.90E-04	6.40E-04
	Total	**2.2629**	**24.6212**	**10.7833**	**0.02592**	**4.41269**	**3.36274**
Facility - Foundation	Fugitive					0	0
	Onsite	0.5282	4.3053	4.1648	7.60E-03	0.2464	0.2464
	Offsite					0.1118	0.0296
	Exhaust	0.0538	0.035	0.3601	1.20E-03	6.90E-04	6.40E-04
	Total	**0.582**	**4.3403**	**4.5249**	**0.0088**	**0.35889**	**0.27664**
Facility - Installation	Fugitive					0	0
	Onsite	1.0965	8.4696	8.2875	0.0127	0.5478	0.528
	Offsite					0.1246	0.0333
	Exhaust	0.0608	0.2621	0.4097	1.53E-03	2.44E-03	2.30E-03
	Total	**1.1573**	**8.7317**	**8.6972**	**0.01423**	**0.67484**	**0.5636**
Facility - Start-up	Fugitive					0	0
	Onsite	0.444	3.7779	3.7231	6.58E-03	0.2258	0.2258
	Offsite					0.1453	0.0385
	Exhaust	0.0699	0.0455	0.4681	1.33E-03	9.00E-04	8.30E-04
	Total	**0.5139**	**3.8234**	**4.1912**	**0.007913**	**0.372**	**0.26513**
Facility - Testing	Fugitive					0	0
	Onsite	0.444	3.7779	3.7231	6.58E-03	0.2258	0.2258
	Offsite					0.1453	0.0385
	Exhaust	0.0699	0.0455	0.4681	1.33E-03	9.00E-04	8.30E-04
	Total	**0.5139**	**3.8234**	**4.1912**	**0.007913**	**0.372**	**0.26513**
Pipeline - Demolition	Fugitive					0.0521	7.89E-03
	Onsite	1.8573	18.3448	11.2495	0.02	0.9475	0.8901
	Offsite					0.1008	0.0268
	Exhaust	0.0469	0.1944	0.3113	1.30E-03	1.16E-03	1.09E-03
	Total	**1.9042**	**18.5392**	**11.5608**	**0.0213**	**1.10156**	**0.92588**
Pipeline -Excavation	Fugitive					2.3324	1.2375
	Onsite	1.6281	17.0937	9.85	0.0168	0.8741	0.8042
	Offsite					0.1946	0.0525
	Exhaust	0.0783	1.5663	0.5034	5.29E-03	6.15E-03	5.90E-03
	Total	**1.7064**	**18.66**	**10.3534**	**0.02209**	**3.40725**	**2.100097**
Pipeline - Paving	Fugitive					0	0
	Onsite	0.8571	7.7029	7.1116	0.0104	0.4564	0.4199
	Offsite					0.1022	0.0274
	Exhaust	0.05	0.2551	0.3376	1.33E-03	2.30E-03	5.10E-04
	Total	**0.9071**	**7.958**	**7.4492**	**0.01173**	**0.5609**	**0.44781**

EMWD San Jacinto Valley Raw Water Conveyance Facilities

Maximum Daily Unmitigated Construction Emissions

Unmitigated Construction

	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
	lbs/day Summer					
Faility - Site Prep	2.26	24.62	10.87	0.03	3.43	2.26
Facility- Excavation and Mass Grading	2.26	24.62	10.87	0.03	4.41	3.36
Facility - Foundation	0.58	4.34	4.61	0.01	0.36	0.28
Facility - Installation	1.16	8.73	8.77	0.01	0.67	0.56
Facility - Start-up	0.52	3.82	4.30	0.01	0.37	0.27
Facility - Testing	0.52	3.82	4.30	0.01	0.37	0.27
Pipeline Installation	4.52	45.14	29.52	0.06	5.07	3.49
Facility Site Prep & Pipeline Installation	6.78	69.76	40.39	0.08	8.50	5.74
Facility Excavation & Mass Grading & Pipeline Installation	6.78	69.76	40.39	0.08	9.48	6.85
Facility Excavation & Foundation	5.10	49.48	34.13	0.06	5.43	3.76
Facility Installation & Pipeline Installation	5.68	53.87	38.30	0.07	5.74	4.05
Facility Start-up & Pipeline Installation	5.03	48.96	33.82	0.06	5.44	3.75
Facility Testing & Pipeline Installation	5.03	48.96	33.82	0.06	5.44	3.75

		Summer					
		ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Faility - Site Prep	Fugitive					2.2312	1.2264
	Onsite	2.2091	24.5862	10.4232	0.0249	1.0867	0.9997
	Offsite					0.1118	0.0296
	Exhaust	0.0551	0.0338	0.4443	1.14E-03	6.90E-04	6.40E-04
	Total	**2.2642**	**24.62**	**10.8675**	**0.02604**	**3.43039**	**2.25634**
Facility- Excavation and Mass Grading	Fugitive					3.2135	1.3325
	Onsite	2.2091	24.5862	10.4232	0.0249	1.0867	2
	Offsite					0.1118	0.0296
	Exhaust	0.0551	0.0338	0.4443	1.14E-03	6.90E-04	6.40E-04
	Total	**2.2642**	**24.62**	**10.8675**	**0.02604**	**4.41269**	**3.36274**
Facility - Foundation	Fugitive					0	0
	Onsite	0.5282	4.3053	4.1648	0.0076	0.2464	0.2464
	Offsite					0.1118	0.0296
	Exhaust	0.0551	0.0338	0.4443	1.14E-03	6.90E-04	6.40E-04
	Total	**0.5833**	**4.3391**	**4.6091**	**0.00874**	**0.35889**	**0.27664**
Facility - Installation	Fugitive					0	0
	Onsite	1.0965	8.4696	8.2875	0.0127	0.5478	0.528
	Offsite					0.1246	0.0333
	Exhaust	0.0617	0.2615	0.4869	1.67E-03	2.42E-03	2.29E-03
	Total	**1.1582**	**8.7311**	**8.7744**	**0.01437**	**0.67482**	**0.56359**
Facility - Start-up	Fugitive					0	0
	Onsite	0.444	3.7779	3.7231	0.00658	0.2258	0.2258
	Offsite					0.1453	0.0385
	Exhaust	0.0716	0.0439	0.5775	1.49E-03	9.00E-04	8.30E-04
	Total	**0.5156**	**3.8218**	**4.3006**	**0.00807**	**0.372**	**0.26513**
Facility - Testing	Fugitive					0	0
	Onsite	0.444	3.7779	3.7231	0.00658	0.2258	0.2258
	Offsite					0.1453	0.0385
	Exhaust	0.0716	0.0439	0.5775	1.49E-03	9.00E-04	8.30E-04
	Total	**0.5156**	**3.8218**	**4.3006**	**0.00807**	**0.372**	**0.26513**
Pipeline - Demolition	Fugitive					0.0521	0.00789
	Onsite	1.8573	18.3448	11.2495	0.02	0.9475	0.8901
	Offsite					0.1008	0.0268
	Exhaust	0.0477	0.1918	0.3752	1.41E-03	1.15E-03	1.08E-02
	Total	**1.905**	**18.5366**	**11.6247**	**0.02141**	**1.10155**	**0.93559**
Pipeline -Excavation	Fugitive					2.3324	1.2375
	Onsite	1.6281	17.0937	9.85	0.0168	0.8741	0.8042
	Offsite					0.1946	0.0525
	Exhaust	0.0775	1.55	0.5386	5.50E-03	6.05E-03	7.58E-03
	Total	**1.7056**	**18.6437**	**10.3886**	**0.0223**	**3.40715**	**2.10178**
Pipeline - Paving	Fugitive					0	0
	Onsite	0.8571	7.7029	7.1116	0.0104	0.4564	0.4199
	Offsite					0.1022	0.0274
	Exhaust	0.0507	0.2547	0.3981	1.44E-03	2.28E-03	2.16E-03
	Total	**0.9078**	**7.9576**	**7.5097**	**0.01184**	**0.56088**	**0.44946**

LST Analysis

	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$	
Faility - Site Prep		25	10		3	2	
Facility- Excavation and Mass Grading		25	10		4	3	
Facility - Foundation		4	4		0	0	
Facility - Installation		8	8		1	<1	
Facility - Start-up		4	4		<1	<1	
Facility - Testing		4	4		<1	<1	
Pipeline		43	28		5	3	
Facility Site Prep & Pipeline Installation		25	39		8	6	
Facility Excavation & Mass Grading & Pipeline Installation		68	39		9	7	
Facility Excavation & Foundation		47	32		5	4	
Facility Installation & Pipeline Installation		52	36		5	4	
Facility Start-up & Pipeline Installation		47	32		5	4	
Facility Testing & Pipeline Installation		47	32		5	4	
Threshold		90	750		4	3	
Significant		**No**	**No**		**Yes**	**Yes**	
					1	1	Operational

SRA 28

Receptor Distance	<25	meters from Site
	25	meter threshold used
Site Size	1.00	site acreage
	1	LST Acre comparison

The screening criteria for NOx were developed based on the 1-hour NO2 CAAQS of 0.18 ppm. However, since the publication of the SCAQMD's guidance, the USEPA has promulgated a 1-hour NO2 NAAQS of 0.100 ppm based on a 98th percentile value, which is more stringent than the CAAQS. In order to determine if Project emissions would result in an exceedance of the 1 hour NO2 NAAQS, an approximated LST was estimated to evaluate the federal 1-hour NO2 standard, as the SCAQMD significance threshold has not been updated to reflect this standard. Calculated by scaling the NO2 LST for by the ratio of 1-hour NO2 standards (federal/state)(i.e., 780 lb/day * (0.10/0.18) =433 lb/day).

Mitigated Construction Emission Summary

EMWD San Jacinto Valley Raw Water Conveyance Facilities

Maximum Daily Mitigated Construction Emissions

CalEEMod 2016.3.2

Title: EMWD SJVRWC Date: 3/28/2019

Mitigated Construction

	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
	lbs/day					
Faility - Site Prep	1	5	12	<1	3	1
Facility- Excavation and Mass Grading	1	5	12	<1	3	2
Facility - Foundation	0	1	5	<1	0	0
Facility - Installation	0	2	9	<1	<1	<1
Facility - Start-up	<1	<1	5	<1	<1	<1
Facility - Testing	<1	<1	5	<1	<1	<1
Pipeline Installation	1	4	31	<1	3	1
Facility Site Prep & Pipeline Installation	1	9	42	<1	5	3
Facility Excavation & Mass Grading & Pipeline Installation	1	9	42	<1	6	3
Facility Excavation & Foundation	1	5	36	<1	3	2
Facility Installation & Pipeline Installation	1	6	40	<1	3	2
Facility Start-up & Pipeline Installation	1	5	36	<1	3	1
Facility Testing & Pipeline	1	5	36	<1	3	1
Max Daily Emissions	1	9	42	<1	6	3
SCAQMD Thresholds	75	100	550	150	150	55
Significant	**No**	**No**	**No**	**No**	**No**	**No**

EMWD San Jacinto Valley Raw Water Conveyance Facilities

Maximum Daily Mitigated Construction Emissions

Mitigated Construction

	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
	lbs/day Winter					
Faility - Site Prep	0.63	4.60	11.51	0.03	2.50	1.41
Facility- Excavation and Mass Grading	0.63	4.60	11.51	0.03	3.49	1.51
Facility - Foundation	0.20	0.85	4.86	0.01	0.14	0.06
Facility - Installation	0.47	1.99	9.03	0.01	0.22	0.13
Facility - Start-up	0.14	0.33	4.52	0.01	0.15	0.05
Facility - Testing	0.14	0.33	4.52	0.01	0.15	0.05
Pipeline Installation	0.85	4.46	30.75	0.06	2.87	1.43
Facility Site Prep & Pipeline Installation	1.48	9.06	42.25	0.08	5.37	2.84
Facility Excavation & Mass Grading & Pipeline Installation	1.48	9.06	42.25	0.08	6.35	2.95
Facility Excavation & Foundation	1.05	5.31	35.60	0.06	3.01	1.49
Facility Installation & Pipeline Installation	1.32	6.45	39.78	0.07	3.08	1.56
Facility Start-up & Pipeline Installation	0.99	4.79	35.27	0.06	3.02	1.48
Facility Testing & Pipeline	0.99	4.79	35.27	0.06	3.02	1.48

Activity Ovelrap:

1. Facility Site Prep and Facility Excavation and Mass Grading would occur independent of each other but could overlap with Pipeline installation.
2. Facility Installation may overlap with Pipeline installation, but with no other facility construction activities.
3. Facility Start-up may overlap with Pipeline installation, but with no other facility construction activities.
4. Facility Testing may overlap with Pipeline installation, but with no other facility construction activities.
5. Pipeline installation phases are all anticpated to overlap. I.e. one fifty-foot segment would be demolished, while another is being excavated and a third is being backfilled and paved.

		Winter					
		ROG	**NO_X**	**CO**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Faility - Site Prep	Fugitive					2.2312	1.2264
	Onsite	0.5786	4.564	11.1489	0.0249	0.1606	0.1501
	Offsite					0.1118	0.0296
	Exhaust	0.0538	0.035	0.3601	0.00102	0.00069	0.00064
	Total	**0.6324**	**4.599**	**11.509**	**0.02592**	**2.50429**	**1.40674**
Facility- Excavation and Mass Grading	Fugitive					3.2135	1.3325
	Onsite	0.5786	4.564	11.1489	0.0249	0.1606	0.1501
	Offsite					0.1118	0.0296
	Exhaust	0.0538	0.035	0.3601	0.00102	0.00069	0.00064
	Total	**0.6324**	**4.599**	**11.509**	**0.02592**	**3.48659**	**1.51284**
Facility - Foundation	Fugitive					0	0
	Onsite	0.15	0.8125	4.4981	7.60E-03	0.0293	0.0293
	Offsite					0.1118	0.0296
	Exhaust	0.0538	0.035	0.3601	0.0012	0.00069	0.00064
	Total	**0.2038**	**0.8475**	**4.8582**	**0.0088**	**0.14179**	**0.05954**
Facility - Installation	Fugitive					0	0
	Onsite	0.4067	1.7289	8.6226	0.0127	0.0905	0.0905
	Offsite					0.1246	0.0333
	Exhaust	0.0608	0.2621	0.4097	0.00153	0.00244	0.0023
	Total	**0.4675**	**1.991**	**9.0323**	**0.01423**	**0.21754**	**0.1261**
Facility - Start-up	Fugitive					0	0
	Onsite	0.0658	0.285	4.0564	6.58E-03	8.77E-03	8.77E-03
	Offsite					0.1453	0.0385
	Exhaust	0.0699	0.0455	0.4681	0.001333	0.0009	0.00083
	Total	**0.1357**	**0.3305**	**4.5245**	**0.007913**	**0.15497**	**0.0481**
Facility - Testing	Fugitive					0	0
	Onsite	0.0658	0.285	4.0564	6.58E-03	8.77E-03	8.77E-03
	Offsite					0.1453	0.0385
	Exhaust	0.0699	0.0455	0.4681	0.001333	0.0009	0.00083
	Total	**0.1357**	**0.3305**	**4.5245**	**0.007913**	**0.15497**	**0.0481**
Pipeline - Demolition	Fugitive					0.0521	0.00789
	Onsite	0.2307	0.9995	11.6102	0.02	0.0308	0.0308
	Offsite					0.1008	0.0268
	Exhaust	0.0469	0.1944	0.3113	0.0013	0.00116	0.00109
	Total	**0.2776**	**1.1939**	**11.9215**	**0.0213**	**0.18486**	**0.06658**
Pipeline -Excavation	Fugitive					2.3324	1.2375
	Onsite	0.2061	0.893	10.0937	0.0168	0.0275	0.0275
	Offsite					0.1946	0.0525
	Exhaust	0.0783	1.5663	0.5034	0.00529	0.00615	0.005897
	Total	**0.2844**	**2.4593**	**10.5971**	**0.02209**	**2.56065**	**1.323397**
Pipeline - Paving	Fugitive					0	0
	Onsite	0.2379	0.5544	7.8889	0.0104	0.0171	0.0171
	Offsite					0.1022	0.0274
	Exhaust	0.05	0.2551	0.3376	0.00133	0.0023	0.00051
	Total	**0.2879**	**0.8095**	**8.2265**	**0.01173**	**0.1216**	**0.04501**

EMWD San Jacinto Valley Raw Water Conveyance Facilities
Maximum Daily Mitigated Construction Emissions

Mitigated Construction

	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
	lbs/day Summer					
Faility - Site Prep	0.63	4.60	11.59	0.03	2.50	1.41
Facility- Excavation and Mass Grading	0.63	4.60	11.59	0.03	3.49	1.51
Facility - Foundation	0.21	0.85	4.94	0.01	0.14	0.06
Facility - Installation	0.47	1.99	9.11	0.01	0.22	0.13
Facility - Start-up	0.14	0.33	4.61	0.01	0.15	0.05
Facility - Testing	0.14	0.33	4.63	0.01	0.15	0.05
Pipeline Installation	0.85	4.44	30.90	0.06	2.87	1.45
Facility Site Prep & Pipeline Installation	1.48	9.04	42.50	0.08	5.37	2.85
Facility Excavation & Mass Grading & Pipeline Installation	1.48	9.04	42.50	0.08	6.35	2.96
Facility Excavation & Foundation	1.06	5.29	35.85	0.06	3.01	1.51
Facility Installation & Pipeline Installation	1.32	6.43	40.01	0.07	3.08	1.57
Facility Start-up & Pipeline Installation	0.99	4.77	35.52	0.06	3.02	1.50
Facility Testing & Pipeline	0.99	4.77	35.54	0.06	3.02	1.50

		Summer					
		ROG	**NO_X**	**CO**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Faility - Site Prep	Fugitive					2.2312	1.2264
	Onsite	0.5786	4.564	11.1489	0.0249	0.1606	0.1501
	Offsite	0	0	0	0	0.1118	0.0296
	Exhaust	0.0551	0.0338	0.4443	0.00114	0.00069	0.00064
	Total	**0.6337**	**4.5978**	**11.5932**	**0.02604**	**2.50429**	**1.40674**
Facility- Excavation and Mass Grading	Fugitive					3.2135	1.3325
	Onsite	0.5786	4.564	11.1489	0.0249	0.1606	0.1501
	Offsite	0	0	0	0	0.1118	0.0296
	Exhaust	0.0551	0.0338	0.4443	0.00114	0.00069	0.00064
	Total	**0.6337**	**4.5978**	**11.5932**	**0.02604**	**3.48659**	**1.51284**
Facility - Foundation	Fugitive					0	0
	Onsite	0.15	0.8125	4.4981	0.0076	0.0293	0.0293
	Offsite	0	0	0	0	0.1118	0.0296
	Exhaust	0.0551	0.0338	0.4443	0.00114	0.00069	0.00064
	Total	**0.2051**	**0.8463**	**4.9424**	**0.00874**	**0.14179**	**0.05954**
Facility - Installation	Fugitive					0	0
	Onsite	0.4067	1.7289	8.6226	0.0127	0.0905	0.0905
	Offsite	0	0	0	0	0.1246	0.0333
	Exhaust	0.0617	0.2615	0.4869	0.00167	0.00242	0.00229
	Total	**0.4684**	**1.9904**	**9.1095**	**0.01437**	**0.21752**	**0.12609**
Facility - Start-up	Fugitive					0	0
	Onsite	0.0658	0.285	4.0564	0.00658	0.00877	0.00877
	Offsite	0	0	0	0	0.1453	0.0385
	Exhaust	0.0716	0.0439	0.5575	1.49E-03	9.00E-04	8.30E-04
	Total	**0.1374**	**0.3289**	**4.6139**	**0.00807**	**0.15497**	**0.0481**
Facility - Testing	Fugitive					0	0
	Onsite	0.0658	0.285	4.0564	0.00658	0.00877	0.00877
	Offsite	0	0	0	0	0.1453	0.0385
	Exhaust	0.0716	0.0439	0.5775	0.00149	9.00E-05	0.00083
	Total	**0.1374**	**0.3289**	**4.6339**	**0.00807**	**0.15416**	**0.0481**
Pipeline - Demolition	Fugitive					0.0521	0.00789
	Onsite	0.2307	0.9995	11.6102	0.02	0.0308	0.0308
	Offsite	0	0	0	0	0.1008	0.0268
	Exhaust	0.0477	0.1918	0.3752	0.00141	0.00115	0.0108
	Total	**0.2784**	**1.1913**	**11.9854**	**0.02141**	**0.18485**	**0.07629**
Pipeline -Excavation	Fugitive					2.3324	1.2375
	Onsite	0.2061	0.893	10.0937	0.0168	0.0275	0.0275
	Offsite	0	0	0	0	0.1946	0.0525
	Exhaust	0.0775	1.55	0.5386	0.0055	0.00605	0.00758
	Total	**0.2836**	**2.443**	**10.6323**	**0.0223**	**2.56055**	**1.32508**
Pipeline - Paving	Fugitive					0	0
	Onsite	0.2379	0.5544	7.8889	0.0104	0.0171	0.0171
	Offsite	0	0	0	0	0.1022	0.0274
	Exhaust	0.0507	0.2547	0.3981	0.00144	0.00228	0.00216
	Total	**0.2886**	**0.8091**	**8.287**	**0.01184**	**0.12158**	**0.04666**

LST Analysis

	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$	
Faility - Site Prep		5	11		2	1	
Facility- Excavation and Mass Grading		5	11		3	1	
Facility - Foundation		1	4		<1	<1	
Facility - Installation		2	9		<1	<1	
Facility - Start-up		<1	4		<1	<1	
Facility - Testing		<1	4		<1	<1	
Pipeline		2	30		2	1	
Facility Site Prep & Pipeline Installation		5	41		5	3	
Facility Excavation & Mass Grading & Pipeline Installation		7	41		6	3	
Facility Excavation & Foundation		3	34		2	1	
Facility Installation & Pipeline Installation		4	38		3	1	
Facility Start-up & Pipeline Installation		3	34		2	1	
Facility Testing & Pipeline Installation		3	34		2	1	
Threshold		90	750		4	3	
Significant		**No**	**No**		**Yes**	**Yes**	
					1	1	operational

Receptor Distance	<25	meters from Site	SRA	28
	25	meter threshold used		
Site Size	1.00	site acreage		
	1	LST Acre comparison		

The screening criteria for NOx were developed based on the 1-hour NO2 CAAQS of 0.18 ppm. However, since the publication of the SCAQMD's guidance, the USEPA has promulgated a 1-hour NO2 NAAQS of 0.100 ppm based on a 98th percentile value, which is more stringent than the CAAQS. In order to determine if Project emissions would result in an exceedance of the 1 hour NO2 NAAQS, an approximated LST was estimated to evaluate the federal 1-hour NO2 standard, as the SCAQMD significance threshold has not been updated to reflect this standard. Calculated by scaling the NO2 LST for by the ratio of 1-hour NO2 standards (federal/state)(i.e., 780 lb/day * (0.10/0.18) =433 lb/day).

Operational Emissions Summary

EMWD San Jacinto Valley Raw Water Conveyance Facilities

Unmitigated CalEEMod Operational Output - Summary

CalEEMod 2016.3.2

Title: EMWD SJVRWC Date: 3/28/2019

Unmitigated Emissions - Max Daily

	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
			Max (Lbs/day)			
Area	*<1*	*<1*	*<1*	*<1*	*<1*	*<1*
Energy	*0*	*0*	*0*	*0*	*0*	*0*
Mobile	*<1*	*<1*	*<1*	*<1*	*<1*	*<1*
Total	*<1*	*<1*	*<1*	*<1*	*<1*	*<1*
SCAQMD Thresholds	55	55	550	150	150	55
Exceed Thresholds?	No	No	No	No	No	No
			Winter MAX			
Area	*3.7E-01*	*2.0E-05*	*2.2E-03*	*0.0E+00*	*1.0E-05*	*1.0E-05*
Energy	*0.0E+00*	*0.0E+00*	*0.0E+00*	*0.0E+00*	*0.0E+00*	*0.0E+00*
Mobile	1.3E-03	1.2E-02	1.9E-02	9.0E-05	7.7E-03	2.1E-03
Total	*0.37*	*0.01*	*0.02*	*0.00*	*0.01*	*0.00*
			Summer			
Area	*3.7E-01*	*2.0E-05*	*2.2E-03*	*0.0E+00*	*1.0E-05*	*1.0E-05*
Energy	*0.0E+00*	*0.0E+00*	*0.0E+00*	*0.0E+00*	*0.0E+00*	*0.0E+00*
Mobile	1.5E-03	1.2E-02	2.2E-02	1.0E-04	7.7E-03	2.1E-03
Total	*0.37*	*0.01*	*0.02*	*0.00*	*0.01*	*0.00*

Unmitigated LST Screening Level

	Pollutant				
ROG	NO_X	CO	SOx	PM_{10}	$PM_{2.5}$
		lbs/day			
Max	<1	<1		<1	<1
Threshold	***90***	***750***		***1***	***1***
Exceed Threshold	***No***	***No***		***No***	***No***

Operational: SRA 28, 25 meter, 1-acre

The screening criteria for NOx were developed based on the 1-hour NO2 CAAQS of 0.18 ppm. However, since the publication of the SCAQMD's guidance, the USEPA has promulgated a 1-hour NO2 NAAQS of 0.100 ppm based on a 98th percentile value, which is more stringent than the CAAQS. In order to determine if Project emissions would result in an exceedance of the 1 hour NO2 NAAQS, an approximated LST was estimated to evaluate the federal 1-hour NO2 standard, as the SCAQMD significance threshold has not been updated to reflect this standard. Calculated by scaling the NO2 LST for by the ratio of 1-hour NO2 standards (federal/state)(i.e., 780 lb/day * (0.10/0.18) =433 lb/day).

CalEEMod Output

EMWD SJVRWC - Riverside-South Coast County, Winter

EMWD SJVRWC

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	10.24	1000sqft	1.40	10,240.00	0
Other Asphalt Surfaces	11.00	Acre	11.00	479,160.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	411.63	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - See assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Trips and VMT - See Assumptions

Demolition - See Assumptions

Grading - See Assumptions

Vehicle Trips - See Assumptions

Area Coating -

Energy Use - see assumptions

Water And Wastewater - see assumptions

Solid Waste - see assumptions

Construction Off-road Equipment Mitigation - See Assumptions

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
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
tblConstructionPhase	NumDays	300.00	10.00
tblConstructionPhase	NumDays	300.00	319.00
tblConstructionPhase	NumDays	300.00	1.00
tblConstructionPhase	NumDays	300.00	14.00
tblConstructionPhase	NumDays	20.00	262.00
tblConstructionPhase	NumDays	30.00	5.00
tblConstructionPhase	NumDays	30.00	262.00
tblConstructionPhase	NumDays	20.00	262.00
tblConstructionPhase	NumDays	10.00	3.00
tblEnergyUse	LightingElect	2.93	0.00
tblEnergyUse	NT24E	5.02	34.67
tblEnergyUse	NT24NG	17.13	0.00
tblEnergyUse	T24E	2.20	0.00
tblEnergyUse	T24NG	15.36	0.00
tblGrading	AcresOfGrading	2.50	12.50
tblGrading	AcresOfGrading	0.00	66.00
tblGrading	AcresOfGrading	1.50	0.00
tblGrading	MaterialExported	0.00	12,500.00
tblLandUse	LotAcreage	0.24	1.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	411.63
tblSolidWaste	SolidWasteGenerationRate	12.70	0.00
tblTripsAndVMT	HaulingTripNumber	1,563.00	1,562.00
tblTripsAndVMT	VendorTripNumber	80.00	0.00
tblTripsAndVMT	VendorTripNumber	80.00	2.00
tblTripsAndVMT	VendorTripNumber	80.00	0.00
tblTripsAndVMT	VendorTripNumber	80.00	0.00

tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	206.00	10.00
tblTripsAndVMT	WorkerTripNumber	206.00	10.00
tblTripsAndVMT	WorkerTripNumber	206.00	13.00
tblTripsAndVMT	WorkerTripNumber	206.00	13.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	2.50
tblVehicleTrips	CNW_TTP	13.00	21.00
tblVehicleTrips	CW_TTP	59.00	79.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.07
tblWater	IndoorWaterUseRate	2,368,000.00	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					
2019	10.3895	103.3370	60.8939	0.1259	22.0321	5.0277	27.0597	10.5082	4.7059	15.2141	0.0000	12,343.03 07	12,343.030 7	2.9025	0.0000	12,415.59 40
2020	5.2669	49.7801	37.4655	0.0692	14.8708	2.5616	17.4325	5.4436	2.3938	7.8373	0.0000	6,710.654 7	6,710.6547	1.5636	0.0000	6,749.744 4

Maximum	**10.3895**	**103.3370**	**60.8939**	**0.1259**	**22.0321**	**5.0277**	**27.0597**	**10.5082**	**4.7059**	**15.2141**	**0.0000**	**12,343.0307**	**12,343.0307**	**2.9025**	**0.0000**	**12,415.5940**

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					
2019	2.6337	16.0202	63.9514	0.1259	8.7298	0.5206	9.2505	4.0444	0.4990	4.5434	0.0000	12,343.0307	12,343.0307	2.9025	0.0000	12,415.5939
2020	1.2660	6.2294	39.6085	0.0692	10.8194	0.1659	10.9853	3.3276	0.1654	3.4930	0.0000	6,710.6547	6,710.6547	1.5636	0.0000	6,749.7444
Maximum	**2.6337**	**16.0202**	**63.9514**	**0.1259**	**10.8194**	**0.5206**	**10.9853**	**4.0444**	**0.4990**	**4.5434**	**0.0000**	**12,343.0307**	**12,343.0307**	**2.9025**	**0.0000**	**12,415.5939**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**75.09**	**85.47**	**-5.29**	**0.00**	**47.03**	**90.95**	**54.52**	**53.79**	**90.64**	**65.14**	**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	0.3727	2.0000e-005	2.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.6500e-003	4.6500e-003	1.0000e-005		4.9500e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.3300e-003	0.0116	0.0188	9.0000e-005	7.5900e-003	6.0000e-005	7.6500e-003	2.0300e-003	6.0000e-005	2.0900e-003		9.2569	9.2569	4.1000e-004		9.2673
Total	**0.3740**	**0.0116**	**0.0210**	**9.0000e-005**	**7.5900e-003**	**7.0000e-005**	**7.6600e-003**	**2.0300e-003**	**7.0000e-005**	**2.1000e-003**		**9.2616**	**9.2616**	**4.2000e-004**	**0.0000**	**9.2722**

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	0.3727	2.0000e-005	2.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.6500e-003	4.6500e-003	1.0000e-005		4.9500e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.3300e-003	0.0116	0.0188	9.0000e-005	7.5900e-003	6.0000e-005	7.6500e-003	2.0300e-003	6.0000e-005	2.0900e-003		9.2569	9.2569	4.1000e-004		9.2673
Total	**0.3740**	**0.0116**	**0.0210**	**9.0000e-005**	**7.5900e-003**	**7.0000e-005**	**7.6600e-003**	**2.0300e-003**	**7.0000e-005**	**2.1000e-003**		**9.2616**	**9.2616**	**4.2000e-004**	**0.0000**	**9.2722**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	Facility - Site Preparation	Site Preparation	1/1/2019	1/3/2019	5	3	
2	Facility - Excavation/Grading	Grading	1/1/2019	1/7/2019	5	5	
3	Facility - Foundation	Building Construction	1/1/2019	1/14/2019	5	10	
4	Facility - Installation	Building Construction	1/1/2019	3/20/2020	5	319	
5	Facility - Startup	Building Construction	1/1/2019	1/1/2019	5	1	
6	Facility - Testing	Building Construction	1/1/2019	1/18/2019	5	14	
7	Pipeline - Demolition	Demolition	1/2/2019	1/2/2020	5	262	
8	Pipeline - Excavation	Grading	1/3/2019	1/3/2020	5	262	
9	Pipeline - Paving	Paving	1/4/2019	1/6/2020	5	262	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 11

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Facility - Site Preparation	Graders	1	8.00	187	0.41
Facility - Site Preparation	Off-Highway Trucks	1	4.00	402	0.38
Facility - Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Facility - Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Facility - Excavation/Grading	Excavators	0	8.00	158	0.38
Facility - Excavation/Grading	Graders	1	8.00	187	0.41
Facility - Excavation/Grading	Off-Highway Trucks	1	4.00	402	0.38
Facility - Excavation/Grading	Rubber Tired Dozers	1	8.00	247	0.40
Facility - Excavation/Grading	Scrapers	0	8.00	367	0.48
Facility - Excavation/Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Facility - Foundation	Cement and Mortar Mixers	1	6.00	9	0.56
Facility - Foundation	Cranes	0	7.00	231	0.29
Facility - Foundation	Forklifts	0	8.00	89	0.20
Facility - Foundation	Generator Sets	1	8.00	84	0.74
Facility - Foundation	Plate Compactors	1	8.00	8	0.43
Facility - Foundation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Facility - Foundation	Welders	0	8.00	46	0.45
Facility - Installation	Cranes	0	7.00	231	0.29
Facility - Installation	Forklifts	1	8.00	89	0.20
Facility - Installation	Generator Sets	1	8.00	84	0.74
Facility - Installation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Facility - Installation	Welders	1	6.00	46	0.45

Facility - Startup	Cranes	0	7.00	231	0.29
Facility - Startup	Forklifts	0	8.00	89	0.20
Facility - Startup	Generator Sets	1	8.00	84	0.74
Facility - Startup	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Facility - Startup	Welders	0	8.00	46	0.45
Facility - Testing	Cranes	0	7.00	231	0.29
Facility - Testing	Forklifts	0	8.00	89	0.20
Facility - Testing	Generator Sets	1	8.00	84	0.74
Facility - Testing	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Facility - Testing	Welders	0	8.00	46	0.45
Pipeline - Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Pipeline - Demolition	Excavators	1	8.00	158	0.38
Pipeline - Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Pipeline - Excavation	Excavators	1	8.00	158	0.38
Pipeline - Excavation	Graders	0	8.00	187	0.41
Pipeline - Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Pipeline - Excavation	Scrapers	0	8.00	367	0.48
Pipeline - Excavation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pipeline - Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Pipeline - Paving	Pavers	1	8.00	130	0.42
Pipeline - Paving	Paving Equipment	0	8.00	132	0.36
Pipeline - Paving	Rollers	1	8.00	80	0.38
Pipeline - Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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
Facility - Site Preparation	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Facility - Excavation/Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Facility - Foundation	3	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Facility - Installation	4	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Facility - Startup	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Facility - Testing	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pipeline - Demolition	3	8.00	0.00	169.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pipeline - Excavation	3	8.00	0.00	1,562.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pipeline - Paving	3	8.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Facility - Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	2.2091	24.5862	10.4232	0.0249		1.0867	1.0867		0.9997	0.9997		2,464.4633	2,464.4633	0.7797		2,483.9565
Total	**2.2091**	**24.5862**	**10.4232**	**0.0249**	**6.0221**	**1.0867**	**7.1088**	**3.3102**	**0.9997**	**4.3100**		**2,464.4633**	**2,464.4633**	**0.7797**		**2,483.9565**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0538	0.0350	0.3601	1.0200e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		102.0517	102.0517	2.7700e-003		102.1209
Total	**0.0538**	**0.0350**	**0.3601**	**1.0200e-003**	**0.1118**	**6.9000e-004**	**0.1125**	**0.0296**	**6.4000e-004**	**0.0303**		**102.0517**	**102.0517**	**2.7700e-003**		**102.1209**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.2312	0.0000	2.2312	1.2264	0.0000	1.2264			0.0000			0.0000
Off-Road	0.5786	4.5640	11.1489	0.0249		0.1606	0.1606		0.1501	0.1501	0.0000	2,464.4633	2,464.4633	0.7797		2,483.9565
Total	**0.5786**	**4.5640**	**11.1489**	**0.0249**	**2.2312**	**0.1606**	**2.3917**	**1.2264**	**0.1501**	**1.3765**	**0.0000**	**2,464.4633**	**2,464.4633**	**0.7797**		**2,483.9565**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0538	0.0350	0.3601	1.0200e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		102.0517	102.0517	2.7700e-003		102.1209
Total	**0.0538**	**0.0350**	**0.3601**	**1.0200e-003**	**0.1118**	**6.9000e-004**	**0.1125**	**0.0296**	**6.4000e-004**	**0.0303**		**102.0517**	**102.0517**	**2.7700e-003**		**102.1209**

3.3 Facility - Excavation/Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.2091	24.5862	10.4232	0.0249		1.0867	1.0867		0.9997	0.9997		2,464.4633	2,464.4633	0.7797		2,483.9565
Total	**2.2091**	**24.5862**	**10.4232**	**0.0249**	**8.6733**	**1.0867**	**9.7600**	**3.5965**	**0.9997**	**4.5962**		**2,464.4633**	**2,464.4633**	**0.7797**		**2,483.9565**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0538	0.0350	0.3601	1.0200e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		102.0517	102.0517	2.7700e-003		102.1209
Total	**0.0538**	**0.0350**	**0.3601**	**1.0200e-003**	**0.1118**	**6.9000e-004**	**0.1125**	**0.0296**	**6.4000e-004**	**0.0303**		**102.0517**	**102.0517**	**2.7700e-003**		**102.1209**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.2135	0.0000	3.2135	1.3325	0.0000	1.3325			0.0000			0.0000
Off-Road	0.5786	4.5640	11.1489	0.0249		0.1606	0.1606		0.1501	0.1501	0.0000	2,464.4633	2,464.4633	0.7797		2,483.9565
Total	**0.5786**	**4.5640**	**11.1489**	**0.0249**	**3.2135**	**0.1606**	**3.3740**	**1.3325**	**0.1501**	**1.4826**	**0.0000**	**2,464.4633**	**2,464.4633**	**0.7797**		**2,483.9565**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0538	0.0350	0.3601	1.0200e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		102.0517	102.0517	2.7700e-003		102.1209
Total	**0.0538**	**0.0350**	**0.3601**	**1.0200e-003**	**0.1118**	**6.9000e-004**	**0.1125**	**0.0296**	**6.4000e-004**	**0.0303**		**102.0517**	**102.0517**	**2.7700e-003**		**102.1209**

3.4 Facility - Foundation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5282	4.3053	4.1648	7.6000e-003		0.2464	0.2464		0.2464	0.2464		695.4012	695.4012	0.0470		696.5757
Total	**0.5282**	**4.3053**	**4.1648**	**7.6000e-003**		**0.2464**	**0.2464**		**0.2464**	**0.2464**		**695.4012**	**695.4012**	**0.0470**		**696.5757**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0538	0.0350	0.3601	1.0200e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		102.0517	102.0517	2.7700e-003		102.1209
Total	**0.0538**	**0.0350**	**0.3601**	**1.0200e-003**	**0.1118**	**6.9000e-004**	**0.1125**	**0.0296**	**6.4000e-004**	**0.0303**		**102.0517**	**102.0517**	**2.7700e-003**		**102.1209**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1500	0.8125	4.4981	7.6000e-003		0.0293	0.0293		0.0293	0.0293	0.0000	695.4012	695.4012	0.0470		696.5757
Total	**0.1500**	**0.8125**	**4.4981**	**7.6000e-003**		**0.0293**	**0.0293**		**0.0293**	**0.0293**	**0.0000**	**695.4012**	**695.4012**	**0.0470**		**696.5757**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0538	0.0350	0.3601	1.0200e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		102.0517	102.0517	2.7700e-003		102.1209
Total	**0.0538**	**0.0350**	**0.3601**	**1.0200e-003**	**0.1118**	**6.9000e-004**	**0.1125**	**0.0296**	**6.4000e-004**	**0.0303**		**102.0517**	**102.0517**	**2.7700e-003**		**102.1209**

3.5 Facility - Installation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0965	8.4696	8.2875	0.0127		0.5478	0.5478		0.5280	0.5280		1,199.0624	1,199.0624	0.1985		1,204.0248
Total	**1.0965**	**8.4696**	**8.2875**	**0.0127**		**0.5478**	**0.5478**		**0.5280**	**0.5280**		**1,199.0624**	**1,199.0624**	**0.1985**		**1,204.0248**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.9900e-003	0.2272	0.0496	5.1000e-004	0.0128	1.7500e-003	0.0146	3.6900e-003	1.6700e-003	5.3600e-003		53.3877	53.3877	4.9300e-003		53.5110
Worker	0.0538	0.0350	0.3601	1.0200e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		102.0517	102.0517	2.7700e-003		102.1209
Total	**0.0608**	**0.2621**	**0.4097**	**1.5300e-003**	**0.1246**	**2.4400e-003**	**0.1270**	**0.0333**	**2.3100e-003**	**0.0356**		**155.4395**	**155.4395**	**7.7000e-003**		**155.6319**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4067	1.7289	8.6226	0.0127		0.0905	0.0905		0.0905	0.0905	0.0000	1,199.0624	1,199.0624	0.1985		1,204.0248
Total	**0.4067**	**1.7289**	**8.6226**	**0.0127**		**0.0905**	**0.0905**		**0.0905**	**0.0905**	**0.0000**	**1,199.0624**	**1,199.0624**	**0.1985**		**1,204.0248**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.9900e-003	0.2272	0.0496	5.1000e-004	0.0128	1.7500e-003	0.0146	3.6900e-003	1.6700e-003	5.3600e-003		53.3877	53.3877	4.9300e-003		53.5110
Worker	0.0538	0.0350	0.3601	1.0200e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		102.0517	102.0517	2.7700e-003		102.1209
Total	**0.0608**	**0.2621**	**0.4097**	**1.5300e-003**	**0.1246**	**2.4400e-003**	**0.1270**	**0.0333**	**2.3100e-003**	**0.0356**		**155.4395**	**155.4395**	**7.7000e-003**		**155.6319**

3.5 Facility - Installation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9830	7.7966	8.2058	0.0127		0.4746	0.4746		0.4575	0.4575		1,189.8461	1,189.8461	0.1911		1,194.6230
Total	**0.9830**	**7.7966**	**8.2058**	**0.0127**		**0.4746**	**0.4746**		**0.4575**	**0.4575**		**1,189.8461**	**1,189.8461**	**0.1911**		**1,194.6230**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.8800e-003	0.2047	0.0441	5.0000e-004	0.0128	1.1800e-003	0.0140	3.6900e-003	1.1300e-003	4.8200e-003		53.0086	53.0086	4.6000e-003		53.1235
Worker	0.0498	0.0311	0.3262	9.9000e-004	0.1118	6.8000e-004	0.1125	0.0296	6.2000e-004	0.0303		98.8236	98.8236	2.4500e-003		98.8849
Total	**0.0557**	**0.2358**	**0.3703**	**1.4900e-003**	**0.1246**	**1.8600e-003**	**0.1264**	**0.0333**	**1.7500e-003**	**0.0351**		**151.8321**	**151.8321**	**7.0500e-003**		**152.0084**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3744	1.6892	8.5925	0.0127		0.0809	0.0809		0.0809	0.0809	0.0000	1,189.8461	1,189.8461	0.1911		1,194.6230
Total	**0.3744**	**1.6892**	**8.5925**	**0.0127**		**0.0809**	**0.0809**		**0.0809**	**0.0809**	**0.0000**	**1,189.8461**	**1,189.8461**	**0.1911**		**1,194.6230**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.8800e-003	0.2047	0.0441	5.0000e-004	0.0128	1.1800e-003	0.0140	3.6900e-003	1.1300e-003	4.8200e-003		53.0086	53.0086	4.6000e-003		53.1235
Worker	0.0498	0.0311	0.3262	9.9000e-004	0.1118	6.8000e-004	0.1125	0.0296	6.2000e-004	0.0303		98.8236	98.8236	2.4500e-003		98.8849
Total	**0.0557**	**0.2358**	**0.3703**	**1.4900e-003**	**0.1246**	**1.8600e-003**	**0.1264**	**0.0333**	**1.7500e-003**	**0.0351**		**151.8321**	**151.8321**	**7.0500e-003**		**152.0084**

3.6 Facility - Startup - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4440	3.7779	3.7231	6.5800e-003		0.2258	0.2258		0.2258	0.2258		623.0346	623.0346	0.0395		624.0213
Total	**0.4440**	**3.7779**	**3.7231**	**6.5800e-003**		**0.2258**	**0.2258**		**0.2258**	**0.2258**		**623.0346**	**623.0346**	**0.0395**		**624.0213**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0699	0.0455	0.4681	1.3300e-003	0.1453	9.0000e-004	0.1462	0.0385	8.3000e-004	0.0394		132.6672	132.6672	3.6000e-003		132.7572
Total	**0.0699**	**0.0455**	**0.4681**	**1.3300e-003**	**0.1453**	**9.0000e-004**	**0.1462**	**0.0385**	**8.3000e-004**	**0.0394**		**132.6672**	**132.6672**	**3.6000e-003**		**132.7572**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0658	0.2850	4.0564	6.5800e-003		8.7700e-003	8.7700e-003		8.7700e-003	8.7700e-003	0.0000	623.0346	623.0346	0.0395		624.0213

Total	**0.0658**	**0.2850**	**4.0564**	**6.5800e-003**		**8.7700e-003**	**8.7700e-003**		**8.7700e-003**	**8.7700e-003**	**0.0000**	**623.0346**	**623.0346**	**0.0395**		**624.0213**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0699	0.0455	0.4681	1.3300e-003	0.1453	9.0000e-004	0.1462	0.0385	8.3000e-004	0.0394		132.6672	132.6672	3.6000e-003		132.7572
Total	**0.0699**	**0.0455**	**0.4681**	**1.3300e-003**	**0.1453**	**9.0000e-004**	**0.1462**	**0.0385**	**8.3000e-004**	**0.0394**		**132.6672**	**132.6672**	**3.6000e-003**		**132.7572**

3.7 Facility - Testing - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4440	3.7779	3.7231	6.5800e-003		0.2258	0.2258		0.2258	0.2258		623.0346	623.0346	0.0395		624.0213
Total	**0.4440**	**3.7779**	**3.7231**	**6.5800e-003**		**0.2258**	**0.2258**		**0.2258**	**0.2258**		**623.0346**	**623.0346**	**0.0395**		**624.0213**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0699	0.0455	0.4681	1.3300e-003	0.1453	9.0000e-004	0.1462	0.0385	8.3000e-004	0.0394		132.6672	132.6672	3.6000e-003		132.7572
Total	**0.0699**	**0.0455**	**0.4681**	**1.3300e-003**	**0.1453**	**9.0000e-004**	**0.1462**	**0.0385**	**8.3000e-004**	**0.0394**		**132.6672**	**132.6672**	**3.6000e-003**		**132.7572**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0658	0.2850	4.0564	6.5800e-003		8.7700e-003	8.7700e-003		8.7700e-003	8.7700e-003	0.0000	623.0346	623.0346	0.0395		624.0213
Total	**0.0658**	**0.2850**	**4.0564**	**6.5800e-003**		**8.7700e-003**	**8.7700e-003**		**8.7700e-003**	**8.7700e-003**	**0.0000**	**623.0346**	**623.0346**	**0.0395**		**624.0213**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0699	0.0455	0.4681	1.3300e-003	0.1453	9.0000e-004	0.1462	0.0385	8.3000e-004	0.0394		132.6672	132.6672	3.6000e-003		132.7572
Total	**0.0699**	**0.0455**	**0.4681**	**1.3300e-003**	**0.1453**	**9.0000e-004**	**0.1462**	**0.0385**	**8.3000e-004**	**0.0394**		**132.6672**	**132.6672**	**3.6000e-003**		**132.7572**

3.8 Pipeline - Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1407	0.0000	0.1407	0.0213	0.0000	0.0213			0.0000			0.0000
Off-Road	1.8573	18.3448	11.2495	0.0200		0.9475	0.9475		0.8901	0.8901		1,949.2197	1,949.2197	0.4709		1,960.9926
Total	**1.8573**	**18.3448**	**11.2495**	**0.0200**	**0.1407**	**0.9475**	**1.0882**	**0.0213**	**0.8901**	**0.9114**		**1,949.2197**	**1,949.2197**	**0.4709**		**1,960.9926**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.8100e-003	0.1664	0.0233	4.8000e-004	0.0114	6.1000e-004	0.0120	3.1100e-003	5.8000e-004	3.6900e-003		51.3293	51.3293	3.5800e-003		51.4188
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0430	0.0280	0.2880	8.2000e-004	0.0894	5.5000e-004	0.0900	0.0237	5.1000e-004	0.0242		81.6414	81.6414	2.2200e-003		81.6968
Total	**0.0469**	**0.1944**	**0.3113**	**1.3000e-003**	**0.1008**	**1.1600e-003**	**0.1019**	**0.0268**	**1.0900e-003**	**0.0279**		**132.9707**	**132.9707**	**5.8000e-003**		**133.1156**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0521	0.0000	0.0521	7.8900e-003	0.0000	7.8900e-003			0.0000			0.0000
Off-Road	0.2307	0.9995	11.6102	0.0200		0.0308	0.0308		0.0308	0.0308	0.0000	1,949.2197	1,949.2197	0.4709		1,960.9926
Total	**0.2307**	**0.9995**	**11.6102**	**0.0200**	**0.0521**	**0.0308**	**0.0829**	**7.8900e-003**	**0.0308**	**0.0386**	**0.0000**	**1,949.2197**	**1,949.2197**	**0.4709**		**1,960.9926**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.8100e-003	0.1664	0.0233	4.8000e-004	0.0114	6.1000e-004	0.0120	3.1100e-003	5.8000e-004	3.6900e-003		51.3293	51.3293	3.5800e-003		51.4188
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0430	0.0280	0.2880	8.2000e-004	0.0894	5.5000e-004	0.0900	0.0237	5.1000e-004	0.0242		81.6414	81.6414	2.2200e-003		81.6968
Total	**0.0469**	**0.1944**	**0.3113**	**1.3000e-003**	**0.1008**	**1.1600e-003**	**0.1019**	**0.0268**	**1.0900e-003**	**0.0279**		**132.9707**	**132.9707**	**5.8000e-003**		**133.1156**

3.8 Pipeline - Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1407	0.0000	0.1407	0.0213	0.0000	0.0213			0.0000			0.0000
Off-Road	1.7427	17.0435	11.0860	0.0200		0.8700	0.8700		0.8162	0.8162		1,920.1256	1,920.1256	0.4669		1,931.7974
Total	**1.7427**	**17.0435**	**11.0860**	**0.0200**	**0.1407**	**0.8700**	**1.0107**	**0.0213**	**0.8162**	**0.8375**		**1,920.1256**	**1,920.1256**	**0.4669**		**1,931.7974**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.4900e-003	0.1541	0.0221	4.8000e-004	1.1199	4.9000e-004	1.1204	0.2752	4.7000e-004	0.2757		50.8005	50.8005	3.4000e-003		50.8855
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0249	0.2609	7.9000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		79.0589	79.0589	1.9600e-003		79.1080
Total	**0.0434**	**0.1790**	**0.2830**	**1.2700e-003**	**1.2094**	**1.0300e-003**	**1.2104**	**0.2989**	**9.7000e-004**	**0.2999**		**129.8594**	**129.8594**	**5.3600e-003**		**129.9934**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0521	0.0000	0.0521	7.8900e-003	0.0000	7.8900e-003			0.0000			0.0000

Off-Road	0.2307	0.9995	11.6102	0.0200		0.0308	0.0308		0.0308	0.0308	0.0000	1,920.1256	1,920.1256	0.4669		1,931.7974
Total	**0.2307**	**0.9995**	**11.6102**	**0.0200**	**0.0521**	**0.0308**	**0.0829**	**7.8900e-003**	**0.0308**	**0.0386**	**0.0000**	**1,920.1256**	**1,920.1256**	**0.4669**		**1,931.7974**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.4900e-003	0.1541	0.0221	4.8000e-004	1.1199	4.9000e-004	1.1204	0.2752	4.7000e-004	0.2757		50.8005	50.8005	3.4000e-003		50.8855
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0249	0.2609	7.9000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		79.0589	79.0589	1.9600e-003		79.1080
Total	**0.0434**	**0.1790**	**0.2830**	**1.2700e-003**	**1.2094**	**1.0300e-003**	**1.2104**	**0.2989**	**9.7000e-004**	**0.2999**		**129.8594**	**129.8594**	**5.3600e-003**		**129.9934**

3.9 Pipeline - Excavation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.2953	0.0000	6.2953	3.3400	0.0000	3.3400			0.0000			0.0000
Off-Road	1.6281	17.0937	9.8500	0.0168		0.8741	0.8741		0.8042	0.8042		1,664.0959	1,664.0959	0.5265		1,677.2585
Total	**1.6281**	**17.0937**	**9.8500**	**0.0168**	**6.2953**	**0.8741**	**7.1694**	**3.3400**	**0.8042**	**4.1442**		**1,664.0959**	**1,664.0959**	**0.5265**		**1,677.2585**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0352	1.5384	0.2153	4.4700e-003	0.1052	5.6000e-003	0.1108	0.0288	5.3600e-003	0.0342		474.4165	474.4165	0.0331		475.2438
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0430	0.0280	0.2880	8.2000e-004	0.0894	5.5000e-004	0.0900	0.0237	5.1000e-004	0.0242		81.6414	81.6414	2.2200e-003		81.6968
Total	**0.0783**	**1.5663**	**0.5034**	**5.2900e-003**	**0.1946**	**6.1500e-003**	**0.2008**	**0.0525**	**5.8700e-003**	**0.0584**		**556.0579**	**556.0579**	**0.0353**		**556.9406**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.3324	0.0000	2.3324	1.2375	0.0000	1.2375			0.0000			0.0000
Off-Road	0.2061	0.8930	10.0937	0.0168		0.0275	0.0275		0.0275	0.0275	0.0000	1,664.0959	1,664.0959	0.5265		1,677.2585
Total	**0.2061**	**0.8930**	**10.0937**	**0.0168**	**2.3324**	**0.0275**	**2.3599**	**1.2375**	**0.0275**	**1.2650**	**0.0000**	**1,664.0959**	**1,664.0959**	**0.5265**		**1,677.2585**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0352	1.5384	0.2153	4.4700e-003	0.1052	5.6000e-003	0.1108	0.0288	5.3600e-003	0.0342		474.4165	474.4165	0.0331		475.2438
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0430	0.0280	0.2880	8.2000e-004	0.0894	5.5000e-004	0.0900	0.0237	5.1000e-004	0.0242		81.6414	81.6414	2.2200e-003		81.6968
Total	**0.0783**	**1.5663**	**0.5034**	**5.2900e-003**	**0.1946**	**6.1500e-003**	**0.2008**	**0.0525**	**5.8700e-003**	**0.0584**		**556.0579**	**556.0579**	**0.0353**		**556.9406**

3.9 Pipeline - Excavation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.2953	0.0000	6.2953	3.3400	0.0000	3.3400			0.0000			0.0000
Off-Road	1.5340	15.8500	9.6791	0.0168		0.8050	0.8050		0.7406	0.7406		1,628.2294	1,628.2294	0.5266		1,641.3945
Total	**1.5340**	**15.8500**	**9.6791**	**0.0168**	**6.2953**	**0.8050**	**7.1002**	**3.3400**	**0.7406**	**4.0806**		**1,628.2294**	**1,628.2294**	**0.5266**		**1,641.3945**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0323	1.4240	0.2040	4.4300e-003	6.9093	4.5600e-003	6.9138	1.6989	4.3600e-003	1.7033		469.5288	469.5288	0.0314		470.3141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0249	0.2609	7.9000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		79.0589	79.0589	1.9600e-003		79.1080
Total	**0.0721**	**1.4489**	**0.4649**	**5.2200e-003**	**6.9987**	**5.1000e-003**	**7.0038**	**1.7226**	**4.8600e-003**	**1.7275**		**548.5876**	**548.5876**	**0.0334**		**549.4220**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.3324	0.0000	2.3324	1.2375	0.0000	1.2375			0.0000			0.0000
Off-Road	0.2061	0.8930	10.0937	0.0168		0.0275	0.0275		0.0275	0.0275	0.0000	1,628.2294	1,628.2294	0.5266		1,641.3945
Total	**0.2061**	**0.8930**	**10.0937**	**0.0168**	**2.3324**	**0.0275**	**2.3599**	**1.2375**	**0.0275**	**1.2650**	**0.0000**	**1,628.2294**	**1,628.2294**	**0.5266**		**1,641.3945**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0323	1.4240	0.2040	4.4300e-003	6.9093	4.5600e-003	6.9138	1.6989	4.3600e-003	1.7033		469.5288	469.5288	0.0314		470.3141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0249	0.2609	7.9000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		79.0589	79.0589	1.9600e-003		79.1080
Total	**0.0721**	**1.4489**	**0.4649**	**5.2200e-003**	**6.9987**	**5.1000e-003**	**7.0038**	**1.7226**	**4.8600e-003**	**1.7275**		**548.5876**	**548.5876**	**0.0334**		**549.4220**

3.10 Pipeline - Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7471	7.7029	7.1116	0.0104		0.4564	0.4564		0.4199	0.4199		1,032.7238	1,032.7238	0.3267		1,040.8924
Paving	0.1100					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8571**	**7.7029**	**7.1116**	**0.0104**		**0.4564**	**0.4564**		**0.4199**	**0.4199**		**1,032.7238**	**1,032.7238**	**0.3267**		**1,040.8924**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.9900e-003	0.2272	0.0496	5.1000e-004	0.0128	1.7500e-003	0.0146	3.6900e-003	1.6700e-003	5.3600e-003		53.3877	53.3877	4.9300e-003		53.5110
Worker	0.0430	0.0280	0.2880	8.2000e-004	0.0894	5.5000e-004	0.0900	0.0237	5.1000e-004	0.0242		81.6414	81.6414	2.2200e-003		81.6968
Total	**0.0500**	**0.2551**	**0.3376**	**1.3300e-003**	**0.1022**	**2.3000e-003**	**0.1045**	**0.0274**	**2.1800e-003**	**0.0296**		**135.0291**	**135.0291**	**7.1500e-003**		**135.2077**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1279	0.5544	7.8889	0.0104		0.0171	0.0171		0.0171	0.0171	0.0000	1,032.7238	1,032.7238	0.3267		1,040.8924

Paving	0.1100					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2379**	**0.5544**	**7.8889**	**0.0104**		**0.0171**	**0.0171**		**0.0171**	**0.0171**	**0.0000**	**1,032.7238**	**1,032.7238**	**0.3267**		**1,040.8924**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.9900e-003	0.2272	0.0496	5.1000e-004	0.0128	1.7500e-003	0.0146	3.6900e-003	1.6700e-003	5.3600e-003		53.3877	53.3877	4.9300e-003		53.5110
Worker	0.0430	0.0280	0.2880	8.2000e-004	0.0894	5.5000e-004	0.0900	0.0237	5.1000e-004	0.0242		81.6414	81.6414	2.2200e-003		81.6968
Total	**0.0500**	**0.2551**	**0.3376**	**1.3300e-003**	**0.1022**	**2.3000e-003**	**0.1045**	**0.0274**	**2.1800e-003**	**0.0296**		**135.0291**	**135.0291**	**7.1500e-003**		**135.2077**

3.10 Pipeline - Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6803	6.9966	7.0714	0.0104		0.4024	0.4024		0.3702	0.3702		1,010.1070	1,010.1070	0.3267		1,018.2743
Paving	0.1100					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7903**	**6.9966**	**7.0714**	**0.0104**		**0.4024**	**0.4024**		**0.3702**	**0.3702**		**1,010.1070**	**1,010.1070**	**0.3267**		**1,018.2743**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.8800e-003	0.2047	0.0441	5.0000e-004	0.0128	1.1800e-003	0.0140	3.6900e-003	1.1300e-003	4.8200e-003		53.0086	53.0086	4.6000e-003		53.1235
Worker	0.0399	0.0249	0.2609	7.9000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		79.0589	79.0589	1.9600e-003		79.1080
Total	**0.0458**	**0.2296**	**0.3050**	**1.2900e-003**	**0.1022**	**1.7200e-003**	**0.1040**	**0.0274**	**1.6300e-003**	**0.0290**		**132.0674**	**132.0674**	**6.5600e-003**		**132.2314**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1279	0.5544	7.8889	0.0104		0.0171	0.0171		0.0171	0.0171	0.0000	1,010.1070	1,010.1070	0.3267		1,018.2743
Paving	0.1100					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2379**	**0.5544**	**7.8889**	**0.0104**		**0.0171**	**0.0171**		**0.0171**	**0.0171**	**0.0000**	**1,010.1070**	**1,010.1070**	**0.3267**		**1,018.2743**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.8800e-003	0.2047	0.0441	5.0000e-004	0.0128	1.1800e-003	0.0140	3.6900e-003	1.1300e-003	4.8200e-003		53.0086	53.0086	4.6000e-003		53.1235
Worker	0.0399	0.0249	0.2609	7.9000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		79.0589	79.0589	1.9600e-003		79.1080
Total	**0.0458**	**0.2296**	**0.3050**	**1.2900e-003**	**0.1022**	**1.7200e-003**	**0.1040**	**0.0274**	**1.6300e-003**	**0.0290**		**132.0674**	**132.0674**	**6.5600e-003**		**132.2314**

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	1.3300e-003	0.0116	0.0188	9.0000e-005	7.5900e-003	6.0000e-005	7.6500e-003	2.0300e-003	6.0000e-005	2.0900e-003		9.2569	9.2569	4.1000e-004		9.2673
Unmitigated	1.3300e-003	0.0116	0.0188	9.0000e-005	7.5900e-003	6.0000e-005	7.6500e-003	2.0300e-003	6.0000e-005	2.0900e-003		9.2569	9.2569	4.1000e-004		9.2673

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.72	0.00	0.00	2,542	2,542
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.72	0.00	0.00	2,542	2,542

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %

Land Use	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
General Light Industry	16.60	0.00	2.50	79.00	0.00	21.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Other Asphalt Surfaces	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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 Light Industry	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
Other Asphalt Surfaces	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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 Light Industry	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
Other Asphalt Surfaces	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.3727	2.0000e-005	2.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.6500e-003	4.6500e-003	1.0000e-005		4.9500e-003

Unmitigated	0.3727	2.0000e-005	2.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.6500e-003	4.6500e-003	1.0000e-005		4.9500e-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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3725					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-004	2.0000e-005	2.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.6500e-003	4.6500e-003	1.0000e-005		4.9500e-003
Total	**0.3727**	**2.0000e-005**	**2.1700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**4.6500e-003**	**4.6500e-003**	**1.0000e-005**		**4.9500e-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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3725					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-004	2.0000e-005	2.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.6500e-003	4.6500e-003	1.0000e-005		4.9500e-003
Total	**0.3727**	**2.0000e-005**	**2.1700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**4.6500e-003**	**4.6500e-003**	**1.0000e-005**		**4.9500e-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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMWD SJVRWC

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	10.24	1000sqft	1.40	10,240.00	0
Other Asphalt Surfaces	11.00	Acre	11.00	479,160.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	411.63	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - See assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Trips and VMT - See Assumptions

Demolition - See Assumptions

Grading - See Assumptions

Vehicle Trips - See Assumptions

Area Coating -

Energy Use - see assumptions

Water And Wastewater - see assumptions

Solid Waste - see assumptions

Construction Off-road Equipment Mitigation - See Assumptions

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
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
tblConstructionPhase	NumDays	300.00	10.00
tblConstructionPhase	NumDays	300.00	319.00
tblConstructionPhase	NumDays	300.00	1.00
tblConstructionPhase	NumDays	300.00	14.00
tblConstructionPhase	NumDays	20.00	262.00
tblConstructionPhase	NumDays	30.00	5.00
tblConstructionPhase	NumDays	30.00	262.00
tblConstructionPhase	NumDays	20.00	262.00
tblConstructionPhase	NumDays	10.00	3.00
tblEnergyUse	LightingElect	2.93	0.00
tblEnergyUse	NT24E	5.02	34.67
tblEnergyUse	NT24NG	17.13	0.00
tblEnergyUse	T24E	2.20	0.00
tblEnergyUse	T24NG	15.36	0.00
tblGrading	AcresOfGrading	2.50	12.50
tblGrading	AcresOfGrading	0.00	66.00
tblGrading	AcresOfGrading	1.50	0.00
tblGrading	MaterialExported	0.00	12,500.00
tblLandUse	LotAcreage	0.24	1.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	411.63
tblSolidWaste	SolidWasteGenerationRate	12.70	0.00
tblTripsAndVMT	HaulingTripNumber	1,563.00	1,562.00
tblTripsAndVMT	VendorTripNumber	80.00	0.00
tblTripsAndVMT	VendorTripNumber	80.00	2.00
tblTripsAndVMT	VendorTripNumber	80.00	0.00
tblTripsAndVMT	VendorTripNumber	80.00	0.00

tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	206.00	10.00
tblTripsAndVMT	WorkerTripNumber	206.00	10.00
tblTripsAndVMT	WorkerTripNumber	206.00	13.00
tblTripsAndVMT	WorkerTripNumber	206.00	13.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	2.50
tblVehicleTrips	CNW_TTP	13.00	21.00
tblVehicleTrips	CW_TTP	59.00	79.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.07
tblWater	IndoorWaterUseRate	2,368,000.00	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					
2019	10.3960	103.3123	61.4323	0.1269	22.0321	5.0276	27.0596	10.5082	4.7058	15.2140	0.0000	12,439.2064	12,439.2064	2.9017	0.0000	12,511.7496
2020	5.2680	49.7650	37.6815	0.0697	14.8708	2.5615	17.4324	5.4436	2.3937	7.8372	0.0000	6,766.6880	6,766.6880	1.5609	0.0000	6,805.7107

Maximum	**10.3960**	**103.3123**	**61.4323**	**0.1269**	**22.0321**	**5.0276**	**27.0596**	**10.5082**	**4.7058**	**15.2140**	**0.0000**	**12,439.2064**	**12,439.2064**	**2.9017**	**0.0000**	**12,511.7496**

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					
2019	2.6401	15.9955	64.4898	0.1269	8.7298	0.5205	9.2503	4.0444	0.4989	4.5433	0.0000	12,439.2064	12,439.2064	2.9017	0.0000	12,511.7496
2020	1.2672	6.2143	39.8246	0.0697	10.8194	0.1658	10.9852	3.3276	0.1653	3.4929	0.0000	6,766.6880	6,766.6880	1.5609	0.0000	6,805.7107
Maximum	**2.6401**	**15.9955**	**64.4898**	**0.1269**	**10.8194**	**0.5205**	**10.9852**	**4.0444**	**0.4989**	**4.5433**	**0.0000**	**12,439.2064**	**12,439.2064**	**2.9017**	**0.0000**	**12,511.7496**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**75.06**	**85.49**	**-5.25**	**0.00**	**47.03**	**90.96**	**54.52**	**53.79**	**90.65**	**65.14**	**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	0.3727	2.0000e-005	2.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.6500e-003	4.6500e-003	1.0000e-005		4.9500e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.5400e-003	0.0115	0.0222	1.0000e-004	7.5900e-003	6.0000e-005	7.6500e-003	2.0300e-003	6.0000e-005	2.0900e-003		10.0013	10.0013	4.1000e-004		10.0115
Total	**0.3742**	**0.0116**	**0.0244**	**1.0000e-004**	**7.5900e-003**	**7.0000e-005**	**7.6600e-003**	**2.0300e-003**	**7.0000e-005**	**2.1000e-003**		**10.0059**	**10.0059**	**4.2000e-004**	**0.0000**	**10.0164**

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	0.3727	2.0000e-005	2.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.6500e-003	4.6500e-003	1.0000e-005		4.9500e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.5400e-003	0.0115	0.0222	1.0000e-004	7.5900e-003	6.0000e-005	7.6500e-003	2.0300e-003	6.0000e-005	2.0900e-003		10.0013	10.0013	4.1000e-004		10.0115
Total	**0.3742**	**0.0116**	**0.0244**	**1.0000e-004**	**7.5900e-003**	**7.0000e-005**	**7.6600e-003**	**2.0300e-003**	**7.0000e-005**	**2.1000e-003**		**10.0059**	**10.0059**	**4.2000e-004**	**0.0000**	**10.0164**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	Facility - Site Preparation	Site Preparation	1/1/2019	1/3/2019	5	3	
2	Facility - Excavation/Grading	Grading	1/1/2019	1/7/2019	5	5	
3	Facility - Foundation	Building Construction	1/1/2019	1/14/2019	5	10	
4	Facility - Installation	Building Construction	1/1/2019	3/20/2020	5	319	
5	Facility - Startup	Building Construction	1/1/2019	1/1/2019	5	1	
6	Facility - Testing	Building Construction	1/1/2019	1/18/2019	5	14	
7	Pipeline - Demolition	Demolition	1/2/2019	1/2/2020	5	262	
8	Pipeline - Excavation	Grading	1/3/2019	1/3/2020	5	262	
9	Pipeline - Paving	Paving	1/4/2019	1/6/2020	5	262	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 11

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Facility - Site Preparation	Graders	1	8.00	187	0.41
Facility - Site Preparation	Off-Highway Trucks	1	4.00	402	0.38
Facility - Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Facility - Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Facility - Excavation/Grading	Excavators	0	8.00	158	0.38
Facility - Excavation/Grading	Graders	1	8.00	187	0.41
Facility - Excavation/Grading	Off-Highway Trucks	1	4.00	402	0.38
Facility - Excavation/Grading	Rubber Tired Dozers	1	8.00	247	0.40
Facility - Excavation/Grading	Scrapers	0	8.00	367	0.48
Facility - Excavation/Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Facility - Foundation	Cement and Mortar Mixers	1	6.00	9	0.56
Facility - Foundation	Cranes	0	7.00	231	0.29
Facility - Foundation	Forklifts	0	8.00	89	0.20
Facility - Foundation	Generator Sets	1	8.00	84	0.74
Facility - Foundation	Plate Compactors	1	8.00	8	0.43
Facility - Foundation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Facility - Foundation	Welders	0	8.00	46	0.45
Facility - Installation	Cranes	0	7.00	231	0.29
Facility - Installation	Forklifts	1	8.00	89	0.20
Facility - Installation	Generator Sets	1	8.00	84	0.74
Facility - Installation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Facility - Installation	Welders	1	6.00	46	0.45

Facility - Startup	Cranes	0	7.00	231	0.29
Facility - Startup	Forklifts	0	8.00	89	0.20
Facility - Startup	Generator Sets	1	8.00	84	0.74
Facility - Startup	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Facility - Startup	Welders	0	8.00	46	0.45
Facility - Testing	Cranes	0	7.00	231	0.29
Facility - Testing	Forklifts	0	8.00	89	0.20
Facility - Testing	Generator Sets	1	8.00	84	0.74
Facility - Testing	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Facility - Testing	Welders	0	8.00	46	0.45
Pipeline - Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Pipeline - Demolition	Excavators	1	8.00	158	0.38
Pipeline - Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Pipeline - Excavation	Excavators	1	8.00	158	0.38
Pipeline - Excavation	Graders	0	8.00	187	0.41
Pipeline - Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Pipeline - Excavation	Scrapers	0	8.00	367	0.48
Pipeline - Excavation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pipeline - Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Pipeline - Paving	Pavers	1	8.00	130	0.42
Pipeline - Paving	Paving Equipment	0	8.00	132	0.36
Pipeline - Paving	Rollers	1	8.00	80	0.38
Pipeline - Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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
Facility - Site Preparation	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Facility - Excavation/Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Facility - Foundation	3	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Facility - Installation	4	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Facility - Startup	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Facility - Testing	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pipeline - Demolition	3	8.00	0.00	169.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pipeline - Excavation	3	8.00	0.00	1,562.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pipeline - Paving	3	8.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Facility - Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	2.2091	24.5862	10.4232	0.0249		1.0867	1.0867		0.9997	0.9997		2,464.4633	2,464.4633	0.7797		2,483.9565
Total	**2.2091**	**24.5862**	**10.4232**	**0.0249**	**6.0221**	**1.0867**	**7.1088**	**3.3102**	**0.9997**	**4.3100**		**2,464.4633**	**2,464.4633**	**0.7797**		**2,483.9565**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0551	0.0338	0.4443	1.1400e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		113.7522	113.7522	3.1800e-003		113.8319
Total	**0.0551**	**0.0338**	**0.4443**	**1.1400e-003**	**0.1118**	**6.9000e-004**	**0.1125**	**0.0296**	**6.4000e-004**	**0.0303**		**113.7522**	**113.7522**	**3.1800e-003**		**113.8319**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.2312	0.0000	2.2312	1.2264	0.0000	1.2264			0.0000			0.0000
Off-Road	0.5786	4.5640	11.1489	0.0249		0.1606	0.1606		0.1501	0.1501	0.0000	2,464.4633	2,464.4633	0.7797		2,483.9565
Total	**0.5786**	**4.5640**	**11.1489**	**0.0249**	**2.2312**	**0.1606**	**2.3917**	**1.2264**	**0.1501**	**1.3765**	**0.0000**	**2,464.4633**	**2,464.4633**	**0.7797**		**2,483.9565**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0551	0.0338	0.4443	1.1400e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		113.7522	113.7522	3.1800e-003		113.8319
Total	**0.0551**	**0.0338**	**0.4443**	**1.1400e-003**	**0.1118**	**6.9000e-004**	**0.1125**	**0.0296**	**6.4000e-004**	**0.0303**		**113.7522**	**113.7522**	**3.1800e-003**		**113.8319**

3.3 Facility - Excavation/Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.2091	24.5862	10.4232	0.0249		1.0867	1.0867		0.9997	0.9997		2,464.4633	2,464.4633	0.7797		2,483.9565
Total	**2.2091**	**24.5862**	**10.4232**	**0.0249**	**8.6733**	**1.0867**	**9.7600**	**3.5965**	**0.9997**	**4.5962**		**2,464.4633**	**2,464.4633**	**0.7797**		**2,483.9565**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0551	0.0338	0.4443	1.1400e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		113.7522	113.7522	3.1800e-003		113.8319
Total	**0.0551**	**0.0338**	**0.4443**	**1.1400e-003**	**0.1118**	**6.9000e-004**	**0.1125**	**0.0296**	**6.4000e-004**	**0.0303**		**113.7522**	**113.7522**	**3.1800e-003**		**113.8319**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.2135	0.0000	3.2135	1.3325	0.0000	1.3325			0.0000			0.0000
Off-Road	0.5786	4.5640	11.1489	0.0249		0.1606	0.1606		0.1501	0.1501	0.0000	2,464.4633	2,464.4633	0.7797		2,483.9565
Total	**0.5786**	**4.5640**	**11.1489**	**0.0249**	**3.2135**	**0.1606**	**3.3740**	**1.3325**	**0.1501**	**1.4826**	**0.0000**	**2,464.4633**	**2,464.4633**	**0.7797**		**2,483.9565**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0551	0.0338	0.4443	1.1400e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		113.7522	113.7522	3.1800e-003		113.8319
Total	**0.0551**	**0.0338**	**0.4443**	**1.1400e-003**	**0.1118**	**6.9000e-004**	**0.1125**	**0.0296**	**6.4000e-004**	**0.0303**		**113.7522**	**113.7522**	**3.1800e-003**		**113.8319**

3.4 Facility - Foundation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5282	4.3053	4.1648	7.6000e-003		0.2464	0.2464		0.2464	0.2464		695.4012	695.4012	0.0470		696.5757
Total	**0.5282**	**4.3053**	**4.1648**	**7.6000e-003**		**0.2464**	**0.2464**		**0.2464**	**0.2464**		**695.4012**	**695.4012**	**0.0470**		**696.5757**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0551	0.0338	0.4443	1.1400e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		113.7522	113.7522	3.1800e-003		113.8319
Total	**0.0551**	**0.0338**	**0.4443**	**1.1400e-003**	**0.1118**	**6.9000e-004**	**0.1125**	**0.0296**	**6.4000e-004**	**0.0303**		**113.7522**	**113.7522**	**3.1800e-003**		**113.8319**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1500	0.8125	4.4981	7.6000e-003		0.0293	0.0293		0.0293	0.0293	0.0000	695.4012	695.4012	0.0470		696.5757
Total	**0.1500**	**0.8125**	**4.4981**	**7.6000e-003**		**0.0293**	**0.0293**		**0.0293**	**0.0293**	**0.0000**	**695.4012**	**695.4012**	**0.0470**		**696.5757**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0551	0.0338	0.4443	1.1400e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		113.7522	113.7522	3.1800e-003		113.8319
Total	**0.0551**	**0.0338**	**0.4443**	**1.1400e-003**	**0.1118**	**6.9000e-004**	**0.1125**	**0.0296**	**6.4000e-004**	**0.0303**		**113.7522**	**113.7522**	**3.1800e-003**		**113.8319**

3.5 Facility - Installation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0965	8.4696	8.2875	0.0127		0.5478	0.5478		0.5280	0.5280		1,199.0624	1,199.0624	0.1985		1,204.0248
Total	**1.0965**	**8.4696**	**8.2875**	**0.0127**		**0.5478**	**0.5478**		**0.5280**	**0.5280**		**1,199.0624**	**1,199.0624**	**0.1985**		**1,204.0248**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.6600e-003	0.2277	0.0427	5.3000e-004	0.0128	1.7300e-003	0.0145	3.6900e-003	1.6500e-003	5.3400e-003		55.4605	55.4605	4.4400e-003		55.5715
Worker	0.0551	0.0338	0.4443	1.1400e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		113.7522	113.7522	3.1800e-003		113.8319
Total	**0.0617**	**0.2615**	**0.4869**	**1.6700e-003**	**0.1246**	**2.4200e-003**	**0.1270**	**0.0333**	**2.2900e-003**	**0.0356**		**169.2128**	**169.2128**	**7.6200e-003**		**169.4033**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4067	1.7289	8.6226	0.0127		0.0905	0.0905		0.0905	0.0905	0.0000	1,199.0624	1,199.0624	0.1985		1,204.0248
Total	**0.4067**	**1.7289**	**8.6226**	**0.0127**		**0.0905**	**0.0905**		**0.0905**	**0.0905**	**0.0000**	**1,199.0624**	**1,199.0624**	**0.1985**		**1,204.0248**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.6600e-003	0.2277	0.0427	5.3000e-004	0.0128	1.7300e-003	0.0145	3.6900e-003	1.6500e-003	5.3400e-003		55.4605	55.4605	4.4400e-003		55.5715
Worker	0.0551	0.0338	0.4443	1.1400e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		113.7522	113.7522	3.1800e-003		113.8319
Total	**0.0617**	**0.2615**	**0.4869**	**1.6700e-003**	**0.1246**	**2.4200e-003**	**0.1270**	**0.0333**	**2.2900e-003**	**0.0356**		**169.2128**	**169.2128**	**7.6200e-003**		**169.4033**

3.5 Facility - Installation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9830	7.7966	8.2058	0.0127		0.4746	0.4746		0.4575	0.4575		1,189.8461	1,189.8461	0.1911		1,194.6230
Total	**0.9830**	**7.7966**	**8.2058**	**0.0127**		**0.4746**	**0.4746**		**0.4575**	**0.4575**		**1,189.8461**	**1,189.8461**	**0.1911**		**1,194.6230**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.5700e-003	0.2058	0.0377	5.2000e-004	0.0128	1.1700e-003	0.0140	3.6900e-003	1.1200e-003	4.8100e-003		55.0782	55.0782	4.1300e-003		55.1815
Worker	0.0509	0.0301	0.4032	1.1100e-003	0.1118	6.8000e-004	0.1125	0.0296	6.2000e-004	0.0303		110.1595	110.1595	2.8200e-003		110.2301
Total	**0.0565**	**0.2359**	**0.4409**	**1.6300e-003**	**0.1246**	**1.8500e-003**	**0.1264**	**0.0333**	**1.7400e-003**	**0.0351**		**165.2376**	**165.2376**	**6.9500e-003**		**165.4115**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3744	1.6892	8.5925	0.0127		0.0809	0.0809		0.0809	0.0809	0.0000	1,189.8461	1,189.8461	0.1911		1,194.6230
Total	**0.3744**	**1.6892**	**8.5925**	**0.0127**		**0.0809**	**0.0809**		**0.0809**	**0.0809**	**0.0000**	**1,189.8461**	**1,189.8461**	**0.1911**		**1,194.6230**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.5700e-003	0.2058	0.0377	5.2000e-004	0.0128	1.1700e-003	0.0140	3.6900e-003	1.1200e-003	4.8100e-003		55.0782	55.0782	4.1300e-003		55.1815
Worker	0.0509	0.0301	0.4032	1.1100e-003	0.1118	6.8000e-004	0.1125	0.0296	6.2000e-004	0.0303		110.1595	110.1595	2.8200e-003		110.2301
Total	**0.0565**	**0.2359**	**0.4409**	**1.6300e-003**	**0.1246**	**1.8500e-003**	**0.1264**	**0.0333**	**1.7400e-003**	**0.0351**		**165.2376**	**165.2376**	**6.9500e-003**		**165.4115**

3.6 Facility - Startup - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4440	3.7779	3.7231	6.5800e-003		0.2258	0.2258		0.2258	0.2258		623.0346	623.0346	0.0395		624.0213
Total	**0.4440**	**3.7779**	**3.7231**	**6.5800e-003**		**0.2258**	**0.2258**		**0.2258**	**0.2258**		**623.0346**	**623.0346**	**0.0395**		**624.0213**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0439	0.5775	1.4900e-003	0.1453	9.0000e-004	0.1462	0.0385	8.3000e-004	0.0394		147.8779	147.8779	4.1400e-003		147.9814
Total	**0.0716**	**0.0439**	**0.5775**	**1.4900e-003**	**0.1453**	**9.0000e-004**	**0.1462**	**0.0385**	**8.3000e-004**	**0.0394**		**147.8779**	**147.8779**	**4.1400e-003**		**147.9814**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0658	0.2850	4.0564	6.5800e-003		8.7700e-003	8.7700e-003		8.7700e-003	8.7700e-003	0.0000	623.0346	623.0346	0.0395		624.0213

Total	**0.0658**	**0.2850**	**4.0564**	**6.5800e-003**		**8.7700e-003**	**8.7700e-003**		**8.7700e-003**	**8.7700e-003**	**0.0000**	**623.0346**	**623.0346**	**0.0395**		**624.0213**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0439	0.5775	1.4900e-003	0.1453	9.0000e-004	0.1462	0.0385	8.3000e-004	0.0394		147.8779	147.8779	4.1400e-003		147.9814
Total	**0.0716**	**0.0439**	**0.5775**	**1.4900e-003**	**0.1453**	**9.0000e-004**	**0.1462**	**0.0385**	**8.3000e-004**	**0.0394**		**147.8779**	**147.8779**	**4.1400e-003**		**147.9814**

3.7 Facility - Testing - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4440	3.7779	3.7231	6.5800e-003		0.2258	0.2258		0.2258	0.2258		623.0346	623.0346	0.0395		624.0213
Total	**0.4440**	**3.7779**	**3.7231**	**6.5800e-003**		**0.2258**	**0.2258**		**0.2258**	**0.2258**		**623.0346**	**623.0346**	**0.0395**		**624.0213**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0439	0.5775	1.4900e-003	0.1453	9.0000e-004	0.1462	0.0385	8.3000e-004	0.0394		147.8779	147.8779	4.1400e-003		147.9814
Total	**0.0716**	**0.0439**	**0.5775**	**1.4900e-003**	**0.1453**	**9.0000e-004**	**0.1462**	**0.0385**	**8.3000e-004**	**0.0394**		**147.8779**	**147.8779**	**4.1400e-003**		**147.9814**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0658	0.2850	4.0564	6.5800e-003		8.7700e-003	8.7700e-003		8.7700e-003	8.7700e-003	0.0000	623.0346	623.0346	0.0395		624.0213
Total	**0.0658**	**0.2850**	**4.0564**	**6.5800e-003**		**8.7700e-003**	**8.7700e-003**		**8.7700e-003**	**8.7700e-003**	**0.0000**	**623.0346**	**623.0346**	**0.0395**		**624.0213**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0439	0.5775	1.4900e-003	0.1453	9.0000e-004	0.1462	0.0385	8.3000e-004	0.0394		147.8779	147.8779	4.1400e-003		147.9814
Total	**0.0716**	**0.0439**	**0.5775**	**1.4900e-003**	**0.1453**	**9.0000e-004**	**0.1462**	**0.0385**	**8.3000e-004**	**0.0394**		**147.8779**	**147.8779**	**4.1400e-003**		**147.9814**

3.8 Pipeline - Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1407	0.0000	0.1407	0.0213	0.0000	0.0213			0.0000			0.0000
Off-Road	1.8573	18.3448	11.2495	0.0200		0.9475	0.9475		0.8901	0.8901		1,949.2197	1,949.2197	0.4709		1,960.9926
Total	**1.8573**	**18.3448**	**11.2495**	**0.0200**	**0.1407**	**0.9475**	**1.0882**	**0.0213**	**0.8901**	**0.9114**		**1,949.2197**	**1,949.2197**	**0.4709**		**1,960.9926**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.6200e-003	0.1648	0.0198	5.0000e-004	0.0114	6.0000e-004	0.0120	3.1100e-003	5.7000e-004	3.6800e-003		52.6346	52.6346	3.2700e-003		52.7163
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0441	0.0270	0.3554	9.1000e-004	0.0894	5.5000e-004	0.0900	0.0237	5.1000e-004	0.0242		91.0018	91.0018	2.5500e-003		91.0655
Total	**0.0477**	**0.1918**	**0.3752**	**1.4100e-003**	**0.1008**	**1.1500e-003**	**0.1019**	**0.0268**	**1.0800e-003**	**0.0279**		**143.6364**	**143.6364**	**5.8200e-003**		**143.7818**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0521	0.0000	0.0521	7.8900e-003	0.0000	7.8900e-003			0.0000			0.0000
Off-Road	0.2307	0.9995	11.6102	0.0200		0.0308	0.0308		0.0308	0.0308	0.0000	1,949.2197	1,949.2197	0.4709		1,960.9926
Total	**0.2307**	**0.9995**	**11.6102**	**0.0200**	**0.0521**	**0.0308**	**0.0829**	**7.8900e-003**	**0.0308**	**0.0386**	**0.0000**	**1,949.2197**	**1,949.2197**	**0.4709**		**1,960.9926**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.6200e-003	0.1648	0.0198	5.0000e-004	0.0114	6.0000e-004	0.0120	3.1100e-003	5.7000e-004	3.6800e-003		52.6346	52.6346	3.2700e-003		52.7163
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0441	0.0270	0.3554	9.1000e-004	0.0894	5.5000e-004	0.0900	0.0237	5.1000e-004	0.0242		91.0018	91.0018	2.5500e-003		91.0655
Total	**0.0477**	**0.1918**	**0.3752**	**1.4100e-003**	**0.1008**	**1.1500e-003**	**0.1019**	**0.0268**	**1.0800e-003**	**0.0279**		**143.6364**	**143.6364**	**5.8200e-003**		**143.7818**

3.8 Pipeline - Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1407	0.0000	0.1407	0.0213	0.0000	0.0213			0.0000			0.0000
Off-Road	1.7427	17.0435	11.0860	0.0200		0.8700	0.8700		0.8162	0.8162		1,920.1256	1,920.1256	0.4669		1,931.7974
Total	**1.7427**	**17.0435**	**11.0860**	**0.0200**	**0.1407**	**0.8700**	**1.0107**	**0.0213**	**0.8162**	**0.8375**		**1,920.1256**	**1,920.1256**	**0.4669**		**1,931.7974**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.3200e-003	0.1527	0.0189	4.9000e-004	1.1199	4.9000e-004	1.1204	0.2752	4.7000e-004	0.2757		52.1041	52.1041	3.1100e-003		52.1817
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0407	0.0241	0.3226	8.8000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		88.1276	88.1276	2.2600e-003		88.1840
Total	**0.0440**	**0.1768**	**0.3414**	**1.3700e-003**	**1.2094**	**1.0300e-003**	**1.2104**	**0.2989**	**9.7000e-004**	**0.2999**		**140.2316**	**140.2316**	**5.3700e-003**		**140.3657**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0521	0.0000	0.0521	7.8900e-003	0.0000	7.8900e-003			0.0000			0.0000

Off-Road	0.2307	0.9995	11.6102	0.0200		0.0308	0.0308		0.0308	0.0308	0.0000	1,920.1256	1,920.1256	0.4669		1,931.7974
Total	**0.2307**	**0.9995**	**11.6102**	**0.0200**	**0.0521**	**0.0308**	**0.0829**	**7.8900e-003**	**0.0308**	**0.0386**	**0.0000**	**1,920.1256**	**1,920.1256**	**0.4669**		**1,931.7974**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.3200e-003	0.1527	0.0189	4.9000e-004	1.1199	4.9000e-004	1.1204	0.2752	4.7000e-004	0.2757		52.1041	52.1041	3.1100e-003		52.1817
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0407	0.0241	0.3226	8.8000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		88.1276	88.1276	2.2600e-003		88.1840
Total	**0.0440**	**0.1768**	**0.3414**	**1.3700e-003**	**1.2094**	**1.0300e-003**	**1.2104**	**0.2989**	**9.7000e-004**	**0.2999**		**140.2316**	**140.2316**	**5.3700e-003**		**140.3657**

3.9 Pipeline - Excavation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.2953	0.0000	6.2953	3.3400	0.0000	3.3400			0.0000			0.0000
Off-Road	1.6281	17.0937	9.8500	0.0168		0.8741	0.8741		0.8042	0.8042		1,664.0959	1,664.0959	0.5265		1,677.2585
Total	**1.6281**	**17.0937**	**9.8500**	**0.0168**	**6.2953**	**0.8741**	**7.1694**	**3.3400**	**0.8042**	**4.1442**		**1,664.0959**	**1,664.0959**	**0.5265**		**1,677.2585**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0335	1.5230	0.1832	4.5900e-003	0.1052	5.5000e-003	0.1107	0.0288	5.2700e-003	0.0341		486.4806	486.4806	0.0302		487.2362
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0441	0.0270	0.3554	9.1000e-004	0.0894	5.5000e-004	0.0900	0.0237	5.1000e-004	0.0242		91.0018	91.0018	2.5500e-003		91.0655
Total	**0.0775**	**1.5500**	**0.5386**	**5.5000e-003**	**0.1946**	**6.0500e-003**	**0.2007**	**0.0525**	**5.7800e-003**	**0.0583**		**577.4824**	**577.4824**	**0.0328**		**578.3017**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.3324	0.0000	2.3324	1.2375	0.0000	1.2375			0.0000			0.0000
Off-Road	0.2061	0.8930	10.0937	0.0168		0.0275	0.0275		0.0275	0.0275	0.0000	1,664.0959	1,664.0959	0.5265		1,677.2585
Total	**0.2061**	**0.8930**	**10.0937**	**0.0168**	**2.3324**	**0.0275**	**2.3599**	**1.2375**	**0.0275**	**1.2650**	**0.0000**	**1,664.0959**	**1,664.0959**	**0.5265**		**1,677.2585**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0335	1.5230	0.1832	4.5900e-003	0.1052	5.5000e-003	0.1107	0.0288	5.2700e-003	0.0341		486.4806	486.4806	0.0302		487.2362
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0441	0.0270	0.3554	9.1000e-004	0.0894	5.5000e-004	0.0900	0.0237	5.1000e-004	0.0242		91.0018	91.0018	2.5500e-003		91.0655
Total	**0.0775**	**1.5500**	**0.5386**	**5.5000e-003**	**0.1946**	**6.0500e-003**	**0.2007**	**0.0525**	**5.7800e-003**	**0.0583**		**577.4824**	**577.4824**	**0.0328**		**578.3017**

3.9 Pipeline - Excavation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.2953	0.0000	6.2953	3.3400	0.0000	3.3400			0.0000			0.0000
Off-Road	1.5340	15.8500	9.6791	0.0168		0.8050	0.8050		0.7406	0.7406		1,628.2294	1,628.2294	0.5266		1,641.3945
Total	**1.5340**	**15.8500**	**9.6791**	**0.0168**	**6.2953**	**0.8050**	**7.1002**	**3.3400**	**0.7406**	**4.0806**		**1,628.2294**	**1,628.2294**	**0.5266**		**1,641.3945**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0307	1.4117	0.1742	4.5400e-003	6.9093	4.5000e-003	6.9138	1.6989	4.3000e-003	1.7032		481.5773	481.5773	0.0287		482.2948
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0407	0.0241	0.3226	8.8000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		88.1276	88.1276	2.2600e-003		88.1840
Total	**0.0714**	**1.4358**	**0.4968**	**5.4200e-003**	**6.9987**	**5.0400e-003**	**7.0037**	**1.7226**	**4.8000e-003**	**1.7274**		**569.7048**	**569.7048**	**0.0310**		**570.4788**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.3324	0.0000	2.3324	1.2375	0.0000	1.2375			0.0000			0.0000
Off-Road	0.2061	0.8930	10.0937	0.0168		0.0275	0.0275		0.0275	0.0275	0.0000	1,628.2294	1,628.2294	0.5266		1,641.3945
Total	**0.2061**	**0.8930**	**10.0937**	**0.0168**	**2.3324**	**0.0275**	**2.3599**	**1.2375**	**0.0275**	**1.2650**	**0.0000**	**1,628.2294**	**1,628.2294**	**0.5266**		**1,641.3945**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0307	1.4117	0.1742	4.5400e-003	6.9093	4.5000e-003	6.9138	1.6989	4.3000e-003	1.7032		481.5773	481.5773	0.0287		482.2948
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0407	0.0241	0.3226	8.8000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		88.1276	88.1276	2.2600e-003		88.1840
Total	**0.0714**	**1.4358**	**0.4968**	**5.4200e-003**	**6.9987**	**5.0400e-003**	**7.0037**	**1.7226**	**4.8000e-003**	**1.7274**		**569.7048**	**569.7048**	**0.0310**		**570.4788**

3.10 Pipeline - Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7471	7.7029	7.1116	0.0104		0.4564	0.4564		0.4199	0.4199		1,032.7238	1,032.7238	0.3267		1,040.8924
Paving	0.1100					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8571**	**7.7029**	**7.1116**	**0.0104**		**0.4564**	**0.4564**		**0.4199**	**0.4199**		**1,032.7238**	**1,032.7238**	**0.3267**		**1,040.8924**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.6600e-003	0.2277	0.0427	5.3000e-004	0.0128	1.7300e-003	0.0145	3.6900e-003	1.6500e-003	5.3400e-003		55.4605	55.4605	4.4400e-003		55.5715
Worker	0.0441	0.0270	0.3554	9.1000e-004	0.0894	5.5000e-004	0.0900	0.0237	5.1000e-004	0.0242		91.0018	91.0018	2.5500e-003		91.0655
Total	**0.0507**	**0.2547**	**0.3981**	**1.4400e-003**	**0.1022**	**2.2800e-003**	**0.1045**	**0.0274**	**2.1600e-003**	**0.0296**		**146.4623**	**146.4623**	**6.9900e-003**		**146.6369**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1279	0.5544	7.8889	0.0104		0.0171	0.0171		0.0171	0.0171	0.0000	1,032.7238	1,032.7238	0.3267		1,040.8924

Paving	0.1100					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2379**	**0.5544**	**7.8889**	**0.0104**		**0.0171**	**0.0171**		**0.0171**	**0.0171**	**0.0000**	**1,032.7238**	**1,032.7238**	**0.3267**		**1,040.8924**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.6600e-003	0.2277	0.0427	5.3000e-004	0.0128	1.7300e-003	0.0145	3.6900e-003	1.6500e-003	5.3400e-003		55.4605	55.4605	4.4400e-003		55.5715
Worker	0.0441	0.0270	0.3554	9.1000e-004	0.0894	5.5000e-004	0.0900	0.0237	5.1000e-004	0.0242		91.0018	91.0018	2.5500e-003		91.0655
Total	**0.0507**	**0.2547**	**0.3981**	**1.4400e-003**	**0.1022**	**2.2800e-003**	**0.1045**	**0.0274**	**2.1600e-003**	**0.0296**		**146.4623**	**146.4623**	**6.9900e-003**		**146.6369**

3.10 Pipeline - Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6803	6.9966	7.0714	0.0104		0.4024	0.4024		0.3702	0.3702		1,010.1070	1,010.1070	0.3267		1,018.2743
Paving	0.1100					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7903**	**6.9966**	**7.0714**	**0.0104**		**0.4024**	**0.4024**		**0.3702**	**0.3702**		**1,010.1070**	**1,010.1070**	**0.3267**		**1,018.2743**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.5700e-003	0.2058	0.0377	5.2000e-004	0.0128	1.1700e-003	0.0140	3.6900e-003	1.1200e-003	4.8100e-003		55.0782	55.0782	4.1300e-003		55.1815
Worker	0.0407	0.0241	0.3226	8.8000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		88.1276	88.1276	2.2600e-003		88.1840
Total	**0.0463**	**0.2299**	**0.3602**	**1.4000e-003**	**0.1022**	**1.7100e-003**	**0.1039**	**0.0274**	**1.6200e-003**	**0.0290**		**143.2057**	**143.2057**	**6.3900e-003**		**143.3655**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1279	0.5544	7.8889	0.0104		0.0171	0.0171		0.0171	0.0171	0.0000	1,010.1070	1,010.1070	0.3267		1,018.2743
Paving	0.1100					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2379**	**0.5544**	**7.8889**	**0.0104**		**0.0171**	**0.0171**		**0.0171**	**0.0171**	**0.0000**	**1,010.1070**	**1,010.1070**	**0.3267**		**1,018.2743**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.5700e-003	0.2058	0.0377	5.2000e-004	0.0128	1.1700e-003	0.0140	3.6900e-003	1.1200e-003	4.8100e-003		55.0782	55.0782	4.1300e-003		55.1815
Worker	0.0407	0.0241	0.3226	8.8000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		88.1276	88.1276	2.2600e-003		88.1840
Total	**0.0463**	**0.2299**	**0.3602**	**1.4000e-003**	**0.1022**	**1.7100e-003**	**0.1039**	**0.0274**	**1.6200e-003**	**0.0290**		**143.2057**	**143.2057**	**6.3900e-003**		**143.3655**

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	1.5400e-003	0.0115	0.0222	1.0000e-004	7.5900e-003	6.0000e-005	7.6500e-003	2.0300e-003	6.0000e-005	2.0900e-003		10.0013	10.0013	4.1000e-004		10.0115
Unmitigated	1.5400e-003	0.0115	0.0222	1.0000e-004	7.5900e-003	6.0000e-005	7.6500e-003	2.0300e-003	6.0000e-005	2.0900e-003		10.0013	10.0013	4.1000e-004		10.0115

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.72	0.00	0.00	2,542	2,542
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.72	0.00	0.00	2,542	2,542

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %

Land Use	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
General Light Industry	16.60	0.00	2.50	79.00	0.00	21.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Other Asphalt Surfaces	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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 Light Industry	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
Other Asphalt Surfaces	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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 Light Industry	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
Other Asphalt Surfaces	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.3727	2.0000e-005	2.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.6500e-003	4.6500e-003	1.0000e-005		4.9500e-003

Unmitigated	0.3727	2.0000e-005	2.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.6500e-003	4.6500e-003	1.0000e-005		4.9500e-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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3725					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-004	2.0000e-005	2.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.6500e-003	4.6500e-003	1.0000e-005		4.9500e-003
Total	**0.3727**	**2.0000e-005**	**2.1700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**4.6500e-003**	**4.6500e-003**	**1.0000e-005**		**4.9500e-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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3725					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-004	2.0000e-005	2.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.6500e-003	4.6500e-003	1.0000e-005		4.9500e-003
Total	**0.3727**	**2.0000e-005**	**2.1700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**4.6500e-003**	**4.6500e-003**	**1.0000e-005**		**4.9500e-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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Health Risk Assessment

Unmitigated Construction Health Risk Assumptions

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Health Risk Assumptions

	3rd	0-2	2-16	>16	Units
DBR	361	1090	631	261	L/kg
A	1	1	1	1	no units
EF	0.958904	0.958904	0.958904	0.958904	years
Constant 1	0.000001	0.000001	0.000001	0.000001	no units
CPF	1.1	1.1	1.1	1.1	mg/kg-day-1
ASF	10	10	3	1	no units
Facility Installation	NA	0.96	NA	NA	years
Pipeline	NA	0.75	NA	NA	years
AT	70	70	70	70	years
FAH	0.85	0.85	0.72	0.73	day
Constant 2	1,000,000	1,000,000	1,000,000	1,000,000	no units

Dose = (Cair X DBR X A X EF X Constant 1)

Cancer Risk = Dose X CPF x ASF x (ED/AT) X FAH

Risk per Million = Cancer Risk X Constant 2

Onsite

	PM10 Lbs/day	Days	Total Lbs /activity	Total Lbs	Average Lbs/day
Faility - Site Prep	1.0867	3	3.2601		
Facility - Grading	1.0867	5	5.4335		
Facility - Foundation	0.2464	10	2.464		
Facility - Installation	0.5478	319	174.7482		
Facility - Start-up	0.2258	1	0.2258		
Facility - Testing	0.2258	14	3.1612	189.2928	0.53776364
Pipeline - Demolition	0.9574	262	250.8388		
Pipeline -Excavation	0.8471	262	221.9402		
Pipeline - Paving	0.4564	262	119.5768	592.3558	2.2609

	Source ID	PM10 (lbs/day)	PM10 (gr/day)	PM10 (gr/sec)	Days	Years
Facility Installation	FAC1-3	0.5377636	245.53877	0.0028419	337	0.963
Pipeline	Pipeline	2.2609	1032.3097	0.011948	262	0.749

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
1	499046	3736191	1	2.654018	2.638466	2.65	2.638466
2	499096	3736191	2	2.723711	2.711498	2.72	2.711498
3	499146	3736191	3	2.804451	2.79063	2.80	2.79063
4	499196	3736191	4	2.899036	2.886001	2.90	2.886001
5	499246	3736191	5	3.000479	2.98822	3.00	2.98822
6	499296	3736191	6	3.112008	3.100429	3.11	3.100429
7	499346	3736191	7	3.227325	3.216384	3.23	3.216384
8	499396	3736191	8	3.342677	3.332313	3.34	3.332313
9	499446	3736191	9	3.447624	3.437814	3.45	3.437814
10	499496	3736191	10	3.535426	3.526117	3.54	3.526117
11	499546	3736191	11	3.594333	3.585505	3.59	3.585505
12	499596	3736191	12	3.621687	3.613287	3.62	3.613287
13	499646	3736191	13	3.614145	3.606157	3.61	3.606157
14	499696	3736191	14	3.573491	3.565904	3.57	3.565904
15	499746	3736191	15	3.511765	3.50453	3.51	3.50453
16	499796	3736191	16	3.425438	3.418581	3.43	3.418581
17	499846	3736191	17	3.324998	3.318531	3.32	3.318531
18	499896	3736191	18	3.212365	3.206196	3.21	3.206196
19	499946	3736191	19	3.086963	3.081068	3.09	3.081068
20	499996	3736191	20	2.947383	2.941782	2.95	2.941782
21	500046	3736191	21	2.796173	2.790829	2.80	2.790829
22	500096	3736191	22	2.635879	2.63076	2.64	2.63076
23	500146	3736191	23	2.463327	2.458437	2.46	2.458437
24	500196	3736191	24	2.283665	2.278981	2.28	2.278981
25	500246	3736191	25	2.101071	2.096583	2.10	2.096583
26	500296	3736191	26	1.919075	1.914777	1.92	1.914777

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
27	500346	3736191	27	1.745236	1.741117	1.75	1.741117
28	500396	3736191	28	1.585392	1.581446	1.59	1.581446
29	500446	3736191	29	1.444428	1.440631	1.44	1.440631
30	500496	3736191	30	1.319258	1.315618	1.32	1.315618
31	499046	3736241	31	2.857005	2.841098	2.86	2.841098
32	499096	3736241	32	2.946917	2.934601	2.95	2.934601
33	499146	3736241	33	3.053724	3.039555	3.05	3.039555
34	499196	3736241	34	3.180554	3.167321	3.18	3.167321
35	499246	3736241	35	3.320874	3.308455	3.32	3.308455
36	499296	3736241	36	3.477634	3.465902	3.48	3.465902
37	499346	3736241	37	3.642895	3.631817	3.64	3.631817
38	499396	3736241	38	3.809567	3.799081	3.81	3.799081
39	499446	3736241	39	3.961531	3.951602	3.96	3.951602
40	499496	3736241	40	4.083791	4.074378	4.08	4.074378
41	499546	3736241	41	4.161417	4.152497	4.16	4.152497
42	499596	3736241	42	4.191986	4.18349	4.19	4.18349
43	499646	3736241	43	4.175992	4.167924	4.18	4.167924
44	499696	3736241	44	4.124272	4.11659	4.12	4.11659
45	499746	3736241	45	4.0413	4.033996	4.04	4.033996
46	499796	3736241	46	3.939771	3.932814	3.94	3.932814
47	499846	3736241	47	3.816978	3.810415	3.82	3.810415
48	499896	3736241	48	3.681775	3.67554	3.68	3.67554
49	499946	3736241	49	3.531645	3.525708	3.53	3.525708
50	499996	3736241	50	3.36372	3.358078	3.36	3.358078
51	500046	3736241	51	3.180882	3.175484	3.18	3.175484
52	500096	3736241	52	2.979782	2.974625	2.98	2.974625

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
53	500146	3736241	53	2.76253	2.757602	2.76	2.757602
54	500196	3736241	54	2.533888	2.52917	2.53	2.52917
55	500246	3736241	55	2.301153	2.296634	2.30	2.296634
56	500296	3736241	56	2.071724	2.0674	2.07	2.0674
57	500346	3736241	57	1.857758	1.853614	1.86	1.853614
58	500396	3736241	58	1.668828	1.664847	1.67	1.664847
59	500446	3736241	59	1.50458	1.50076	1.50	1.50076
60	500496	3736241	60	1.364286	1.360623	1.36	1.360623
61	499046	3736291	61	3.083204	3.066937	3.08	3.066937
62	499096	3736291	62	3.198803	3.186372	3.20	3.186372
63	499146	3736291	63	3.34103	3.326739	3.34	3.326739
64	499196	3736291	64	3.512291	3.498867	3.51	3.498867
65	499246	3736291	65	3.710131	3.697536	3.71	3.697536
66	499296	3736291	66	3.936276	3.924391	3.94	3.924391
67	499346	3736291	67	4.181736	4.170509	4.18	4.170509
68	499396	3736291	68	4.430623	4.420007	4.43	4.420007
69	499446	3736291	69	4.657017	4.646962	4.66	4.646962
70	499496	3736291	70	4.827568	4.818048	4.83	4.818048
71	499546	3736291	71	4.926265	4.91723	4.93	4.91723
72	499596	3736291	72	4.952353	4.943766	4.95	4.943766
73	499646	3736291	73	4.919761	4.911608	4.92	4.911608
74	499696	3736291	74	4.846392	4.83863	4.85	4.83863
75	499746	3736291	75	4.740777	4.733401	4.74	4.733401
76	499796	3736291	76	4.617582	4.610549	4.62	4.610549
77	499846	3736291	77	4.471586	4.46492	4.47	4.46492
78	499896	3736291	78	4.310265	4.303985	4.31	4.303985

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
79	499946	3736291	79	4.131176	4.125182	4.13	4.125182
80	499996	3736291	80	3.927057	3.921365	3.93	3.921365
81	500046	3736291	81	3.699478	3.69403	3.70	3.69403
82	500096	3736291	82	3.442386	3.437187	3.44	3.437187
83	500146	3736291	83	3.159516	3.154546	3.16	3.154546
84	500196	3736291	84	2.857347	2.852587	2.86	2.852587
85	500246	3736291	85	2.546222	2.541668	2.55	2.541668
86	500296	3736291	86	2.247831	2.243476	2.25	2.243476
87	500346	3736291	87	1.980585	1.976405	1.98	1.976405
88	500396	3736291	88	1.754101	1.75009	1.75	1.75009
89	500446	3736291	89	1.564666	1.560819	1.56	1.560819
90	500496	3736291	90	1.408499	1.404809	1.41	1.404809
91	499046	3736341	91	3.334714	3.318096	3.33	3.318096
92	499096	3736341	92	3.482199	3.469642	3.48	3.469642
93	499146	3736341	93	3.673161	3.661448	3.67	3.661448
94	499196	3736341	94	3.905134	3.891512	3.91	3.891512
95	499246	3736341	95	4.192202	4.179355	4.19	4.179355
96	499296	3736341	96	4.528871	4.516833	4.53	4.516833
97	499346	3736341	97	4.910525	4.899149	4.91	4.899149
98	499396	3736341	98	5.304377	5.293635	5.30	5.293635
99	499446	3736341	99	5.652877	5.642704	5.65	5.642704
100	499496	3736341	100	5.892161	5.882538	5.89	5.882538
101	499546	3736341	101	6.004863	5.995725	6.00	5.995725
102	499596	3736341	102	6.012301	6.003617	6.01	6.003617
103	499646	3736341	103	5.950017	5.941773	5.95	5.941773
104	499696	3736341	104	5.845492	5.837653	5.85	5.837653

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
105	499746	3736341	105	5.711477	5.704027	5.71	5.704027
106	499796	3736341	106	5.561954	5.554853	5.56	5.554853
107	499846	3736341	107	5.389447	5.382724	5.39	5.382724
108	499896	3736341	108	5.198946	5.192619	5.20	5.192619
109	499946	3736341	109	4.985272	4.979191	4.99	4.979191
110	499996	3736341	110	4.734943	4.729194	4.73	4.729194
111	500046	3736341	111	4.444432	4.438943	4.44	4.438943
112	500096	3736341	112	4.104165	4.098927	4.10	4.098927
113	500146	3736341	113	3.717341	3.712325	3.72	3.712325
114	500196	3736341	114	3.289552	3.284754	3.29	3.284754
115	500246	3736341	115	2.852951	2.848363	2.85	2.848363
116	500296	3736341	116	2.450661	2.446268	2.45	2.446268
117	500346	3736341	117	2.11195	2.107736	2.11	2.107736
118	500396	3736341	118	1.838794	1.834756	1.84	1.834756
119	500446	3736341	119	1.62308	1.61921	1.62	1.61921
120	500496	3736341	120	1.454038	1.450314	1.45	1.450314
121	499046	3736391	121	3.613339	3.596369	3.61	3.596369
122	499096	3736391	122	3.799687	3.786748	3.80	3.786748
123	499146	3736391	123	4.048277	4.036438	4.05	4.036438
124	499196	3736391	124	4.370096	4.356102	4.37	4.356102
125	499246	3736391	125	4.791172	4.778145	4.79	4.778145
126	499296	3736391	126	5.324051	5.311914	5.32	5.311914
127	499346	3736391	127	5.961903	5.950385	5.96	5.950385
128	499396	3736391	128	6.642125	6.63123	6.64	6.63123
129	499446	3736391	129	7.210866	7.200574	7.21	7.200574
130	499496	3736391	130	7.536358	7.526597	7.54	7.526597

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
131	499546	3736391	131	7.633839	7.624602	7.63	7.624602
132	499596	3736391	132	7.592658	7.583883	7.59	7.583883
133	499646	3736391	133	7.480106	7.471785	7.48	7.471785
134	499696	3736391	134	7.33014	7.322233	7.33	7.322233
135	499746	3736391	135	7.163771	7.15625	7.16	7.15625
136	499796	3736391	136	6.983063	6.975893	6.98	6.975893
137	499846	3736391	137	6.780104	6.773315	6.78	6.773315
138	499896	3736391	138	6.558501	6.552007	6.56	6.552007
139	499946	3736391	139	6.30188	6.29571	6.30	6.29571
140	499996	3736391	140	5.992975	5.987153	5.99	5.987153
141	500046	3736391	141	5.612897	5.607361	5.61	5.607361
142	500096	3736391	142	5.142936	5.137642	5.14	5.137642
143	500146	3736391	143	4.567771	4.562717	4.57	4.562717
144	500196	3736391	144	3.908292	3.903463	3.91	3.903463
145	500246	3736391	145	3.244714	3.240087	3.24	3.240087
146	500296	3736391	146	2.678149	2.673718	2.68	2.673718
147	500346	3736391	147	2.242534	2.23829	2.24	2.23829
148	500396	3736391	148	1.920036	1.915971	1.92	1.915971
149	500446	3736391	149	1.681182	1.677274	1.68	1.677274
150	500496	3736391	150	1.493786	1.490034	1.49	1.490034
151	499046	3736441	151	3.920856	3.903539	3.92	3.903539
152	499096	3736441	152	4.155126	4.138859	4.16	4.138859
153	499146	3736441	153	4.469111	4.457138	4.47	4.457138
154	499196	3736441	154	4.9137	4.902519	4.91	4.902519
155	499246	3736441	155	5.538728	5.525517	5.54	5.525517
156	499296	3736441	156	6.428866	6.416405	6.43	6.416405

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
157	499346	3736441	157	7.63254	7.620881	7.63	7.620881
158	499396	3736441	158	9.002812	8.991783	9.00	8.991783
159	499446	3736441	159	10.00814	9.99773	10.01	9.99773
160	499496	3736441	160	10.38321	10.37335	10.38	10.37335
161	499546	3736441	161	10.38533	10.37599	10.39	10.37599
162	499596	3736441	162	10.24379	10.23492	10.24	10.23492
163	499646	3736441	163	10.05267	10.04426	10.05	10.04426
164	499696	3736441	164	9.846144	9.838141	9.85	9.838141
165	499746	3736441	165	9.629325	9.621716	9.63	9.621716
166	499796	3736441	166	9.407402	9.400159	9.41	9.400159
167	499846	3736441	167	9.165381	9.15852	9.17	9.15852
168	499896	3736441	168	8.902477	8.895926	8.90	8.895926
169	499946	3736441	169	8.594754	8.588535	8.59	8.588535
170	499996	3736441	170	8.212553	8.206678	8.21	8.206678
171	500046	3736441	171	7.709348	7.70377	7.71	7.70377
172	500096	3736441	172	7.020222	7.014878	7.02	7.014878
173	500146	3736441	173	6.068427	6.063335	6.07	6.063335
174	500196	3736441	174	4.882848	4.877973	4.88	4.877973
175	500246	3736441	175	3.745411	3.740743	3.75	3.740743
176	500296	3736441	176	2.913375	2.908909	2.91	2.908909
177	500346	3736441	177	2.365376	2.361098	2.37	2.361098
178	500396	3736441	178	1.99684	1.99273	2.00	1.99273
179	500446	3736441	179	1.729982	1.726047	1.73	1.726047
180	500496	3736441	180	1.528399	1.524625	1.53	1.524625
181	499046	3736491	181	4.259794	4.242141	4.26	4.242141
182	499096	3736491	182	4.537997	4.521429	4.54	4.521429

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
183	499146	3736491	183	4.929223	4.91738	4.93	4.91738
184	499196	3736491	184	5.518639	5.507323	5.52	5.507323
185	499246	3736491	185	6.438636	6.42525	6.44	6.42525
186	499296	3736491	186	7.989502	7.976881	7.99	7.976881
187	499346	3736491	187	10.72703	10.71522	10.73	10.71522
188	499396	3736491	188	14.56735	14.5562	14.57	14.5562
189	499446	3736491	189	16.45934	16.44881	16.46	16.44881
190	499496	3736491	190	16.56846	16.55848	16.57	16.55848
191	499546	3736491	191	16.28637	16.27694	16.29	16.27694
192	499596	3736491	192	15.95181	15.94285	15.95	15.94285
193	499646	3736491	193	15.62291	15.61441	15.62	15.61441
194	499696	3736491	194	15.30989	15.30181	15.31	15.30181
195	499746	3736491	195	15.00768	14.99998	15.01	14.99998
196	499796	3736491	196	14.70508	14.69777	14.71	14.69777
197	499846	3736491	197	14.39363	14.38666	14.39	14.38666
198	499896	3736491	198	14.05298	14.04637	14.05	14.04637
199	499946	3736491	199	13.66554	13.65927	13.67	13.65927
200	499996	3736491	200	13.17943	13.17351	13.18	13.17351
201	500196	3736491	201	6.666275	6.661359	6.67	6.661359
202	500246	3736491	202	4.326904	4.322205	4.33	4.322205
203	500296	3736491	203	3.123548	3.119048	3.12	3.119048
204	500346	3736491	204	2.468766	2.464449	2.47	2.464449
205	500396	3736491	205	2.055265	2.051127	2.06	2.051127
206	500446	3736491	206	1.768038	1.764076	1.77	1.764076
207	500496	3736491	207	1.554977	1.551176	1.55	1.551176
208	499046	3736541	208	4.635445	4.617467	4.64	4.617467

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
209	499096	3736541	209	4.952948	4.936085	4.95	4.936085
210	499146	3736541	210	5.417789	5.405419	5.42	5.405419
211	499196	3736541	211	6.153826	6.142381	6.15	6.142381
212	499246	3736541	212	7.412803	7.399245	7.41	7.399245
213	499296	3736541	213	9.957887	9.945105	9.96	9.945105
214	499346	3736541	214	17.41896	17.40702	17.42	17.40702
215	499396	3736541	215	31.18187	31.17059	31.18	31.17059
216	499446	3736541	216	23.636	23.62535	23.64	23.62535
217	499496	3736541	217	22.59502	22.58494	22.60	22.58494
218	499546	3736541	218	29.67021	29.66065	29.67	29.66065
219	499596	3736541	219	21.31381	21.30476	21.31	21.30476
220	499646	3736541	220	21.00057	20.99197	21.00	20.99197
221	499696	3736541	221	27.93552	27.92734	27.94	27.92734
222	499746	3736541	222	20.12769	20.11992	20.13	20.11992
223	499796	3736541	223	27.5767	27.5693	27.58	27.5693
224	499846	3736541	224	26.54516	26.53813	26.55	26.53813
225	499896	3736541	225	19.07286	19.06618	19.07	19.06618
226	499946	3736541	226	25.89241	25.88609	25.89	25.88609
227	499996	3736541	227	24.86956	24.86359	24.87	24.86359
228	500196	3736541	228	10.27736	10.2724	10.28	10.2724
229	500246	3736541	229	4.76203	4.757297	4.76	4.757297
230	500296	3736541	230	3.252384	3.247842	3.25	3.247842
231	500346	3736541	231	2.525963	2.521619	2.53	2.521619
232	500396	3736541	232	2.088031	2.083871	2.09	2.083871
233	500446	3736541	233	1.789326	1.785342	1.79	1.785342
234	500496	3736541	234	1.572815	1.568984	1.57	1.568984

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
235	496546	3736591	235	2.300557	2.300557	2.04	2.300557
236	496596	3736591	236	2.509768	2.509768	2.22	2.509768
237	496646	3736591	237	2.742208	2.742208	2.42	2.742208
238	496696	3736591	238	2.997727	2.997727	2.65	2.997727
239	496746	3736591	239	3.275641	3.275641	2.89	3.275641
240	496796	3736591	240	3.57325	3.57325	3.17	3.57325
241	497196	3736591	241	5.524995	5.477934	5.52	5.477934
242	497246	3736591	242	5.669082	5.429163	5.67	5.429163
243	497296	3736591	243	5.957524	5.423872	5.96	5.423872
244	497346	3736591	244	6.025882	5.418558	6.03	5.418558
245	497396	3736591	245	5.563712	5.009721	5.56	5.009721
246	497446	3736591	246	5.414764	4.861962	5.41	4.861962
247	497496	3736591	247	5.239286	4.724899	5.24	4.724899
248	497546	3736591	248	5.066106	4.607842	5.07	4.607842
249	497596	3736591	249	4.907057	4.50912	4.91	4.50912
250	497646	3736591	250	4.768119	4.426958	4.77	4.426958
251	497696	3736591	251	4.6525	4.361403	4.65	4.361403
252	497746	3736591	252	4.55675	4.308221	4.56	4.308221
253	499296	3736591	253	11.62481	11.61187	11.62	11.61187
254	499346	3736591	254	23.30669	23.29462	23.31	23.29462
255	499796	3736591	255	23.51696	23.5095	23.52	23.5095
256	499846	3736591	256	23.5198	23.51271	23.52	23.51271
257	499896	3736591	257	23.44248	23.43571	23.44	23.43571
258	499946	3736591	258	23.39726	23.39085	23.40	23.39085
259	499996	3736591	259	23.23435	23.22832	23.23	23.22832
260	500046	3736591	260	22.81594	22.81018	22.82	22.81018

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
261	500096	3736591	261	21.812	21.80654	21.81	21.80654
262	500146	3736591	262	18.36016	18.35493	18.36	18.35493
263	496546	3736641	263	2.449874	2.449874	2.15	2.449874
264	496596	3736641	264	2.697983	2.697983	2.36	2.697983
265	496646	3736641	265	2.979369	2.979369	2.59	2.979369
266	496696	3736641	266	3.295979	3.295979	2.86	3.295979
267	496746	3736641	267	3.648379	3.648379	3.16	3.648379
268	496796	3736641	268	4.034432	4.034432	3.50	4.034432
269	497246	3736641	269	7.007803	6.436988	7.01	6.436988
270	497296	3736641	270	7.225607	6.481158	7.23	6.481158
271	497346	3736641	271	7.18317	6.223649	7.18	6.223649
272	497396	3736641	272	6.625318	5.694066	6.63	5.694066
273	497446	3736641	273	6.161839	5.447646	6.16	5.447646
274	497496	3736641	274	5.909155	5.278302	5.91	5.278302
275	497546	3736641	275	5.724817	5.13805	5.72	5.13805
276	497596	3736641	276	5.480913	5.027397	5.48	5.027397
277	497646	3736641	277	5.318985	4.938812	5.32	4.938812
278	497696	3736641	278	5.185585	4.866604	5.19	4.866604
279	497746	3736641	279	5.077853	4.808698	5.08	4.808698
280	499296	3736641	280	12.54918	12.5361	12.55	12.5361
281	499346	3736641	281	24.15097	24.13898	24.15	24.13898
282	499796	3736641	282	11.71837	11.71085	11.72	11.71085
283	499846	3736641	283	11.491	11.48382	11.49	11.48382
284	499896	3736641	284	11.25868	11.25186	11.26	11.25186
285	499946	3736641	285	10.98099	10.9745	10.98	10.9745
286	499996	3736641	286	10.62375	10.61766	10.62	10.61766

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
287	500046	3736641	287	10.09517	10.08938	10.10	10.08938
288	500096	3736641	288	9.22204	9.216547	9.22	9.216547
289	500146	3736641	289	7.692999	7.687739	7.69	7.687739
290	496546	3736691	290	2.60404	2.60404	2.25	2.60404
291	496596	3736691	291	2.897864	2.897864	2.49	2.897864
292	496646	3736691	292	3.239507	3.239507	2.76	3.239507
293	496696	3736691	293	3.635719	3.635719	3.08	3.635719
294	496746	3736691	294	4.089216	4.089216	3.45	4.089216
295	496796	3736691	295	4.602335	4.602335	3.88	4.602335
296	497246	3736691	296	8.16468	7.42402	8.16	7.42402
297	497296	3736691	297	8.784001	7.520046	8.78	7.520046
298	497346	3736691	298	8.43908	7.046022	8.44	7.046022
299	497396	3736691	299	7.526643	6.416866	7.53	6.416866
300	497446	3736691	300	7.082591	6.175509	7.08	6.175509
301	497496	3736691	301	6.73522	5.975081	6.74	5.975081
302	497546	3736691	302	6.569035	5.850013	6.57	5.850013
303	497596	3736691	303	6.191686	5.682181	6.19	5.682181
304	497646	3736691	304	6.011936	5.592485	6.01	5.592485
305	497696	3736691	305	5.861423	5.514131	5.86	5.514131
306	497746	3736691	306	5.743852	5.453951	5.74	5.453951
307	498796	3736691	307	5.516559	5.488966	5.52	5.488966
308	498846	3736691	308	5.576609	5.550991	5.58	5.550991
309	499296	3736691	309	13.08654	13.07332	13.09	13.07332
310	499346	3736691	310	24.31824	24.30578	24.32	24.30578
311	499796	3736691	311	8.162901	8.155326	8.16	8.155326
312	499846	3736691	312	7.904569	7.897349	7.90	7.897349

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
313	499896	3736691	313	7.644324	7.637463	7.64	7.637463
314	499946	3736691	314	7.359997	7.353456	7.36	7.353456
315	499996	3736691	315	7.014845	7.008683	7.01	7.008683
316	500046	3736691	316	6.569387	6.563558	6.57	6.563558
317	500096	3736691	317	5.958802	5.953255	5.96	5.953255
318	500146	3736691	318	5.141777	5.136489	5.14	5.136489
319	496546	3736741	319	2.757876	2.757876	2.35	2.757876
320	496596	3736741	320	3.103136	3.103136	2.62	3.103136
321	496646	3736741	321	3.517109	3.517109	2.94	3.517109
322	496696	3736741	322	4.012923	4.012923	3.32	4.012923
323	496746	3736741	323	4.605518	4.605518	3.78	4.605518
324	496796	3736741	324	5.302165	5.302165	4.32	5.302165
325	497246	3736741	325	10.25085	8.882081	10.25	8.882081
326	497296	3736741	326	9.938486	8.304639	9.94	8.304639
327	497346	3736741	327	9.621846	7.849895	9.62	7.849895
328	497396	3736741	328	8.794117	7.41543	8.79	7.41543
329	497446	3736741	329	8.253818	7.1265	8.25	7.1265
330	497496	3736741	330	7.785795	6.888764	7.79	6.888764
331	497546	3736741	331	7.421944	6.710643	7.42	6.710643
332	497596	3736741	332	7.120225	6.547749	7.12	6.547749
333	497646	3736741	333	6.929803	6.47092	6.93	6.47092
334	497696	3736741	334	6.763681	6.387975	6.76	6.387975
335	497746	3736741	335	6.63804	6.327108	6.64	6.327108
336	498796	3736741	336	6.410966	6.382918	6.41	6.382918
337	498846	3736741	337	6.462397	6.436378	6.46	6.436378
338	499296	3736741	338	13.56055	13.55012	13.56	13.55012

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
339	499346	3736741	339	24.43706	24.4243	24.44	24.4243
340	500096	3736741	340	4.505298	4.499728	4.51	4.499728
341	500146	3736741	341	3.989916	3.984606	3.99	3.984606
342	496546	3736791	342	2.905317	2.905317	2.45	2.905317
343	496596	3736791	343	3.305814	3.305814	2.75	3.305814
344	496646	3736791	344	3.801072	3.801072	3.11	3.801072
345	496696	3736791	345	4.419144	4.419144	3.56	4.419144
346	496746	3736791	346	5.1941	5.1941	4.12	5.1941
347	496796	3736791	347	6.158567	6.158567	4.82	6.158567
348	497196	3736791	348	13.5793	11.83073	13.58	11.83073
349	497246	3736791	349	13.40346	10.82871	13.40	10.82871
350	497296	3736791	350	12.60937	9.960347	12.61	9.960347
351	497346	3736791	351	11.55445	9.281838	11.55	9.281838
352	497396	3736791	352	10.5834	8.795454	10.58	8.795454
353	497446	3736791	353	9.815874	8.451028	9.82	8.451028
354	497496	3736791	354	9.225575	8.187556	9.23	8.187556
355	497546	3736791	355	8.79126	7.992496	8.79	7.992496
356	497596	3736791	356	8.359776	7.73332	8.36	7.73332
357	497646	3736791	357	8.2174	7.720956	8.22	7.720956
358	497696	3736791	358	8.062178	7.658469	8.06	7.658469
359	497746	3736791	359	7.929572	7.59784	7.93	7.59784
360	498496	3736791	360	7.66368	7.6165	7.66	7.6165
361	498546	3736791	361	7.680673	7.637612	7.68	7.637612
362	498796	3736791	362	7.751927	7.723478	7.75	7.723478
363	498846	3736791	363	7.789297	7.762922	7.79	7.762922
364	499296	3736791	364	14.21279	14.20229	14.21	14.20229

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
365	499346	3736791	365	24.69002	24.6802	24.69	24.6802
366	499596	3736791	366	7.421739	7.412261	7.42	7.412261
367	499646	3736791	367	6.613832	6.60484	6.61	6.60484
368	499696	3736791	368	6.074524	6.066001	6.07	6.066001
369	500096	3736791	369	3.68669	3.681124	3.69	3.681124
370	500146	3736791	370	3.323972	3.318655	3.32	3.318655
371	500196	3736791	371	2.950048	2.944974	2.95	2.944974
372	500246	3736791	372	2.594571	2.589727	2.59	2.589727
373	500296	3736791	373	2.278635	2.274009	2.28	2.274009
374	500346	3736791	374	2.013228	2.008796	2.01	2.008796
375	500396	3736791	375	1.789689	1.785444	1.79	1.785444
376	500446	3736791	376	1.603016	1.598955	1.60	1.598955
377	500496	3736791	377	1.451415	1.447511	1.45	1.447511
378	496546	3736841	378	3.038595	3.038595	2.53	3.038595
379	496596	3736841	379	3.494187	3.494187	2.86	3.494187
380	496646	3736841	380	4.076103	4.076103	3.27	4.076103
381	496696	3736841	381	4.832796	4.832796	3.79	4.832796
382	496746	3736841	382	5.83548	5.83548	4.48	5.83548
383	496796	3736841	383	7.179989	7.179989	5.38	7.179989
384	497196	3736841	384	19.45473	15.28588	19.45	15.28588
385	497246	3736841	385	18.49382	13.58075	18.49	13.58075
386	497296	3736841	386	16.5598	12.35123	16.56	12.35123
387	497346	3736841	387	14.62648	11.48992	14.63	11.48992
388	497396	3736841	388	13.15834	10.91736	13.16	10.91736
389	497446	3736841	389	12.12148	10.51551	12.12	10.51551
390	497496	3736841	390	11.41071	10.23439	11.41	10.23439

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
391	497546	3736841	391	10.91681	10.03276	10.92	10.03276
392	497596	3736841	392	10.56832	9.887405	10.57	9.887405
393	497646	3736841	393	10.32027	9.784031	10.32	9.784031
394	497696	3736841	394	10.14665	9.715477	10.15	9.715477
395	497746	3736841	395	10.02022	9.668471	10.02	9.668471
396	498496	3736841	396	10.01205	9.964078	10.01	9.964078
397	498546	3736841	397	10.04267	9.99893	10.04	9.99893
398	498796	3736841	398	10.03381	10.00503	10.03	10.00503
399	498846	3736841	399	10.04499	10.01832	10.04	10.01832
400	499296	3736841	400	15.41749	15.40646	15.42	15.40646
401	499346	3736841	401	25.30075	25.29087	25.30	25.29087
402	499596	3736841	402	6.729931	6.720403	6.73	6.720403
403	499646	3736841	403	5.91707	5.908032	5.92	5.908032
404	499696	3736841	404	5.37313	5.364573	5.37	5.364573
405	500096	3736841	405	3.161204	3.155623	3.16	3.155623
406	500146	3736841	406	2.883097	2.877787	2.88	2.877787
407	500196	3736841	407	2.604321	2.599252	2.60	2.599252
408	500246	3736841	408	2.341401	2.336549	2.34	2.336549
409	500296	3736841	409	2.097908	2.093274	2.10	2.093274
410	500346	3736841	410	1.882628	1.8782	1.88	1.8782
411	500396	3736841	411	1.69962	1.695368	1.70	1.695368
412	500446	3736841	412	1.538375	1.534306	1.54	1.534306
413	500496	3736841	413	1.404163	1.400252	1.40	1.400252
414	496546	3736891	414	3.148298	3.148298	2.59	3.148298
415	496596	3736891	415	3.653315	3.653315	2.95	3.653315
416	496646	3736891	416	4.315961	4.315961	3.40	4.315961

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
417	496696	3736891	417	5.212939	5.212939	3.99	5.212939
418	496746	3736891	418	6.472027	6.472027	4.80	6.472027
419	496796	3736891	419	8.314439	8.314439	5.97	8.314439
420	497096	3736891	420	29.50277	29.50277	26.16	29.50277
421	497146	3736891	421	30.68744	24.859	30.69	24.859
422	497196	3736891	422	31.4121	20.78604	31.41	20.78604
423	497246	3736891	423	27.55014	18.12901	27.55	18.12901
424	497296	3736891	424	22.92422	16.50483	22.92	16.50483
425	497346	3736891	425	19.61238	15.49421	19.61	15.49421
426	497396	3736891	426	17.56261	14.86418	17.56	14.86418
427	497446	3736891	427	16.28909	14.45102	16.29	14.45102
428	497496	3736891	428	15.49611	14.18746	15.50	14.18746
429	497546	3736891	429	14.97852	14.01337	14.98	14.01337
430	497596	3736891	430	14.63898	13.90534	14.64	13.90534
431	497646	3736891	431	14.41809	13.8459	14.42	13.8459
432	497696	3736891	432	14.27633	13.82063	14.28	13.82063
433	497746	3736891	433	14.19541	13.82578	14.20	13.82578
434	498496	3736891	434	15.13387	15.08526	15.13	15.08526
435	498546	3736891	435	15.22346	15.17916	15.22	15.17916
436	498746	3736891	436	15.03287	15.00142	15.03	15.00142
437	498796	3736891	437	14.9697	14.94065	14.97	14.94065
438	498846	3736891	438	14.90892	14.88201	14.91	14.88201
439	499296	3736891	439	18.48516	18.47097	18.49	18.47097
440	499346	3736891	440	27.06406	27.05415	27.06	27.05415
441	499596	3736891	441	6.15369	6.144128	6.15	6.144128
442	499646	3736891	442	5.370783	5.361725	5.37	5.361725

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
443	499696	3736891	443	4.842821	4.834234	4.84	4.834234
444	499746	3736891	444	4.454937	4.446797	4.45	4.446797
445	499796	3736891	445	4.150743	4.143	4.15	4.143
446	499846	3736891	446	3.89439	3.887036	3.89	3.887036
447	499896	3736891	447	3.666821	3.659799	3.67	3.659799
448	499946	3736891	448	3.438941	3.4324	3.44	3.4324
449	499996	3736891	449	3.227232	3.221036	3.23	3.221036
450	500046	3736891	450	3.011706	3.005827	3.01	3.005827
451	500096	3736891	451	2.79276	2.787168	2.79	2.787168
452	500146	3736891	452	2.569416	2.564099	2.57	2.564099
453	500196	3736891	453	2.348756	2.343687	2.35	2.343687
454	500246	3736891	454	2.137914	2.133074	2.14	2.133074
455	500296	3736891	455	1.945961	1.941323	1.95	1.941323
456	500346	3736891	456	1.768667	1.764236	1.77	1.764236
457	500396	3736891	457	1.61454	1.610284	1.61	1.610284
458	500446	3736891	458	1.474473	1.470405	1.47	1.470405
459	500496	3736891	459	1.352441	1.348541	1.35	1.348541
460	496546	3736941	460	3.224926	3.224926	2.63	3.224926
461	496596	3736941	461	3.769296	3.769296	3.01	3.769296
462	496646	3736941	462	4.496458	4.496458	3.49	4.496458
463	496696	3736941	463	5.510018	5.510018	4.13	5.510018
464	496746	3736941	464	6.998189	6.998189	5.05	6.998189
465	496796	3736941	465	9.368897	9.368897	6.48	9.368897
466	497096	3736941	466	55.972	55.972	49.70	55.972
467	497146	3736941	467	67.19166	40.82564	67.19	40.82564
468	497196	3736941	468	64.69148	33.39557	64.69	33.39557

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
469	497246	3736941	469	47.44836	29.84236	47.45	29.84236
470	497296	3736941	470	37.13696	28.04383	37.14	28.04383
471	497346	3736941	471	32.22852	27.14386	32.23	27.14386
472	497396	3736941	472	29.82033	26.70547	29.82	26.70547
473	497446	3736941	473	28.5901	26.54289	28.59	26.54289
474	497496	3736941	474	27.98447	26.56011	27.98	26.56011
475	497546	3736941	475	27.73349	26.69807	27.73	26.69807
476	497596	3736941	476	27.68911	26.91065	27.69	26.91065
477	497646	3736941	477	27.7935	27.19155	27.79	27.19155
478	497696	3736941	478	28.00861	27.53246	28.01	27.53246
479	497746	3736941	479	28.25227	27.86825	28.25	27.86825
480	498746	3736941	480	26.50191	26.47025	26.50	26.47025
481	498796	3736941	481	27.14303	27.11379	27.14	27.11379
482	498846	3736941	482	26.61074	26.58367	26.61	26.58367
483	499596	3736941	483	5.621846	5.612265	5.62	5.612265
484	499646	3736941	484	4.902647	4.89357	4.90	4.89357
485	499696	3736941	485	4.408466	4.399859	4.41	4.399859
486	499746	3736941	486	4.040895	4.032739	4.04	4.032739
487	499796	3736941	487	3.751432	3.743673	3.75	3.743673
488	499846	3736941	488	3.508113	3.500747	3.51	3.500747
489	499896	3736941	489	3.294629	3.2876	3.29	3.2876
490	499946	3736941	490	3.084479	3.077919	3.08	3.077919
491	499996	3736941	491	2.892765	2.886565	2.89	2.886565
492	500046	3736941	492	2.702931	2.697078	2.70	2.697078
493	500096	3736941	493	2.515212	2.509634	2.52	2.509634
494	500146	3736941	494	2.331375	2.326054	2.33	2.326054

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
495	500196	3736941	495	2.14945	2.144376	2.15	2.144376
496	500246	3736941	496	1.97537	1.970534	1.98	1.970534
497	500296	3736941	497	1.816905	1.812267	1.82	1.812267
498	500346	3736941	498	1.667395	1.662968	1.67	1.662968
499	500396	3736941	499	1.535619	1.531367	1.54	1.531367
500	500446	3736941	500	1.412942	1.408874	1.41	1.408874
501	500496	3736941	501	1.30658	1.302676	1.31	1.302676
502	496546	3736991	502	3.262789	3.262789	2.65	3.262789
503	496596	3736991	503	3.827769	3.827769	3.03	3.827769
504	498696	3736991	504	24.94068	24.90616	24.94	24.90616
505	498746	3736991	505	25.28862	25.25683	25.29	25.25683
506	498796	3736991	506	25.70485	25.67549	25.70	25.67549
507	498846	3736991	507	26.1112	26.08403	26.11	26.08403
508	498896	3736991	508	26.55241	26.52721	26.55	26.52721
509	499696	3736991	509	4.030849	4.022238	4.03	4.022238
510	496546	3737041	510	3.235689	3.235689	2.61	3.235689
511	496596	3737041	511	3.821784	3.821784	3.02	3.821784
512	498696	3737041	512	12.33243	12.29788	12.33	12.29788
513	498746	3737041	513	12.40409	12.37226	12.40	12.37226
514	498796	3737041	514	12.49113	12.46175	12.49	12.46175
515	498846	3737041	515	12.5777	12.55051	12.58	12.55051
516	498896	3737041	516	12.67189	12.64667	12.67	12.64667
517	499696	3737041	517	3.691172	3.682561	3.69	3.682561
518	496546	3737091	518	3.079607	3.079607	2.51	3.079607
519	496596	3737091	519	3.752225	3.752225	2.97	3.752225
520	498746	3737091	520	8.599103	8.567338	8.60	8.567338

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
521	498796	3737091	521	8.633598	8.604271	8.63	8.604271
522	498846	3737091	522	8.672112	8.644966	8.67	8.644966
523	498896	3737091	523	8.712408	8.687222	8.71	8.687222
524	499696	3737091	524	3.382252	3.373656	3.38	3.373656
525	496546	3737141	525	2.845656	2.845656	2.33	2.845656
526	496596	3737141	526	3.415314	3.415314	2.73	3.415314
527	499696	3737141	527	3.102057	3.093488	3.10	3.093488
528	499396	3737191	528	4.682737	4.670184	4.68	4.670184
529	499446	3737191	529	4.319403	4.310884	4.32	4.310884
530	499496	3737191	530	3.958535	3.951044	3.96	3.951044
531	499546	3737191	531	3.621602	3.611452	3.62	3.611452
532	499596	3737191	532	3.324762	3.315245	3.32	3.315245
533	499646	3737191	533	3.070022	3.061006	3.07	3.061006
534	499696	3737191	534	2.849834	2.841299	2.85	2.841299
535	499396	3737241	535	3.984039	3.971562	3.98	3.971562
536	499446	3737241	536	3.732021	3.723583	3.73	3.723583
537	499496	3737241	537	3.480008	3.472089	3.48	3.472089
538	499546	3737241	538	3.233324	3.223231	3.23	3.223231
539	499596	3737241	539	3.007276	2.997813	3.01	2.997813
540	499646	3737241	540	2.805456	2.79649	2.81	2.79649
541	499696	3737241	541	2.624358	2.615866	2.62	2.615866
542	499396	3737291	542	3.473358	3.460977	3.47	3.460977
543	499446	3737291	543	3.286708	3.278354	3.29	3.278354
544	499496	3737291	544	3.100276	3.092437	3.10	3.092437
545	499546	3737291	545	2.912534	2.902509	2.91	2.902509
546	499596	3737291	546	2.738444	2.72894	2.74	2.72894

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	67.1917

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
547	499646	3737291	547	2.573641	2.564732	2.57	2.564732
548	499696	3737291	548	2.423829	2.415387	2.42	2.415387
549	499396	3737341	549	3.08161	3.069347	3.08	3.069347
550	499446	3737341	550	2.938392	2.92909	2.94	2.92909
551	499496	3737341	551	2.792741	2.784989	2.79	2.784989
552	499546	3737341	552	2.644839	2.634895	2.64	2.634895
553	499596	3737341	553	2.505889	2.496457	2.51	2.496457
554	499646	3737341	554	2.370808	2.361968	2.37	2.361968
555	499696	3737341	555	2.246538	2.238134	2.25	2.238134
556	498945	3736941	556	34.08149	34.05811	34.08	34.05811
557	498995	3736943	557	26.90461	26.88283	26.90	26.88283
558	498945	3736894	558	15.31172	15.28846	15.31	15.28846
559	498995	3736897	559	15.80528	15.7836	15.81	15.7836

Unmitigated Construction Non-Cancer Health Risk Summary

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
1	5.00E-03	4.98E-03	5.00E-03	4.98E-03
2	5.14E-03	5.12E-03	5.14E-03	5.12E-03
3	5.30E-03	5.28E-03	5.30E-03	5.28E-03
4	5.48E-03	5.46E-03	5.48E-03	5.46E-03
5	5.68E-03	5.66E-03	5.68E-03	5.66E-03
6	5.89E-03	5.88E-03	5.89E-03	5.88E-03
7	6.12E-03	6.10E-03	6.12E-03	6.10E-03
8	6.34E-03	6.32E-03	6.34E-03	6.32E-03
9	6.54E-03	6.53E-03	6.54E-03	6.53E-03
10	6.71E-03	6.70E-03	6.71E-03	6.70E-03
11	6.83E-03	6.81E-03	6.83E-03	6.81E-03
12	6.88E-03	6.87E-03	6.88E-03	6.87E-03
13	6.87E-03	6.86E-03	6.87E-03	6.86E-03
14	6.79E-03	6.78E-03	6.79E-03	6.78E-03
15	6.67E-03	6.66E-03	6.67E-03	6.66E-03
16	6.51E-03	6.50E-03	6.51E-03	6.50E-03
17	6.32E-03	6.31E-03	6.32E-03	6.31E-03
18	6.11E-03	6.10E-03	6.11E-03	6.10E-03
19	5.87E-03	5.86E-03	5.87E-03	5.86E-03
20	5.60E-03	5.59E-03	5.60E-03	5.59E-03
21	5.31E-03	5.30E-03	5.31E-03	5.30E-03
22	5.01E-03	5.00E-03	5.01E-03	5.00E-03
23	4.68E-03	4.67E-03	4.68E-03	4.67E-03
24	4.34E-03	4.33E-03	4.34E-03	4.33E-03
25	3.99E-03	3.98E-03	3.99E-03	3.98E-03
26	3.64E-03	3.63E-03	3.64E-03	3.63E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
27	3.31E-03	3.30E-03	3.31E-03	3.30E-03
28	3.00E-03	3.00E-03	3.00E-03	3.00E-03
29	2.73E-03	2.73E-03	2.73E-03	2.73E-03
30	2.49E-03	2.49E-03	2.49E-03	2.49E-03
31	5.39E-03	5.36E-03	5.39E-03	5.36E-03
32	5.57E-03	5.55E-03	5.57E-03	5.55E-03
33	5.77E-03	5.75E-03	5.77E-03	5.75E-03
34	6.02E-03	6.00E-03	6.02E-03	6.00E-03
35	6.29E-03	6.27E-03	6.29E-03	6.27E-03
36	6.59E-03	6.57E-03	6.59E-03	6.57E-03
37	6.91E-03	6.89E-03	6.91E-03	6.89E-03
38	7.23E-03	7.22E-03	7.23E-03	7.22E-03
39	7.52E-03	7.51E-03	7.52E-03	7.51E-03
40	7.76E-03	7.75E-03	7.76E-03	7.75E-03
41	7.91E-03	7.90E-03	7.91E-03	7.90E-03
42	7.97E-03	7.96E-03	7.97E-03	7.96E-03
43	7.94E-03	7.93E-03	7.94E-03	7.93E-03
44	7.84E-03	7.83E-03	7.84E-03	7.83E-03
45	7.69E-03	7.68E-03	7.69E-03	7.68E-03
46	7.49E-03	7.48E-03	7.49E-03	7.48E-03
47	7.26E-03	7.25E-03	7.26E-03	7.25E-03
48	7.00E-03	6.99E-03	7.00E-03	6.99E-03
49	6.72E-03	6.71E-03	6.72E-03	6.71E-03
50	6.40E-03	6.39E-03	6.40E-03	6.39E-03
51	6.05E-03	6.04E-03	6.05E-03	6.04E-03
52	5.67E-03	5.66E-03	5.67E-03	5.66E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
53	5.25E-03	5.24E-03	5.25E-03	5.24E-03
54	4.81E-03	4.81E-03	4.81E-03	4.81E-03
55	4.37E-03	4.36E-03	4.37E-03	4.36E-03
56	3.93E-03	3.93E-03	3.93E-03	3.93E-03
57	3.52E-03	3.52E-03	3.52E-03	3.52E-03
58	3.16E-03	3.16E-03	3.16E-03	3.16E-03
59	2.85E-03	2.84E-03	2.85E-03	2.84E-03
60	2.58E-03	2.58E-03	2.58E-03	2.58E-03
61	5.82E-03	5.80E-03	5.82E-03	5.80E-03
62	6.05E-03	6.03E-03	6.05E-03	6.03E-03
63	6.32E-03	6.30E-03	6.32E-03	6.30E-03
64	6.65E-03	6.63E-03	6.65E-03	6.63E-03
65	7.03E-03	7.02E-03	7.03E-03	7.02E-03
66	7.47E-03	7.45E-03	7.47E-03	7.45E-03
67	7.94E-03	7.92E-03	7.94E-03	7.92E-03
68	8.42E-03	8.40E-03	8.42E-03	8.40E-03
69	8.86E-03	8.84E-03	8.86E-03	8.84E-03
70	9.18E-03	9.17E-03	9.18E-03	9.17E-03
71	9.37E-03	9.36E-03	9.37E-03	9.36E-03
72	9.43E-03	9.41E-03	9.43E-03	9.41E-03
73	9.37E-03	9.35E-03	9.37E-03	9.35E-03
74	9.23E-03	9.21E-03	9.23E-03	9.21E-03
75	9.03E-03	9.01E-03	9.03E-03	9.01E-03
76	8.79E-03	8.78E-03	8.79E-03	8.78E-03
77	8.51E-03	8.50E-03	8.51E-03	8.50E-03
78	8.21E-03	8.20E-03	8.21E-03	8.20E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
79	7.86E-03	7.86E-03	7.86E-03	7.86E-03
80	7.48E-03	7.47E-03	7.48E-03	7.47E-03
81	7.04E-03	7.03E-03	7.04E-03	7.03E-03
82	6.55E-03	6.54E-03	6.55E-03	6.54E-03
83	6.01E-03	6.00E-03	6.01E-03	6.00E-03
84	5.43E-03	5.43E-03	5.43E-03	5.43E-03
85	4.84E-03	4.83E-03	4.84E-03	4.83E-03
86	4.27E-03	4.26E-03	4.27E-03	4.26E-03
87	3.76E-03	3.75E-03	3.76E-03	3.75E-03
88	3.33E-03	3.32E-03	3.33E-03	3.32E-03
89	2.96E-03	2.96E-03	2.96E-03	2.96E-03
90	2.67E-03	2.66E-03	2.67E-03	2.66E-03
91	6.30E-03	6.28E-03	6.30E-03	6.28E-03
92	6.59E-03	6.57E-03	6.59E-03	6.57E-03
93	6.96E-03	6.94E-03	6.96E-03	6.94E-03
94	7.40E-03	7.38E-03	7.40E-03	7.38E-03
95	7.96E-03	7.94E-03	7.96E-03	7.94E-03
96	8.60E-03	8.59E-03	8.60E-03	8.59E-03
97	9.34E-03	9.32E-03	9.34E-03	9.32E-03
98	1.01E-02	1.01E-02	1.01E-02	1.01E-02
99	1.08E-02	1.07E-02	1.08E-02	1.07E-02
100	1.12E-02	1.12E-02	1.12E-02	1.12E-02
101	1.14E-02	1.14E-02	1.14E-02	1.14E-02
102	1.15E-02	1.14E-02	1.15E-02	1.14E-02
103	1.13E-02	1.13E-02	1.13E-02	1.13E-02
104	1.11E-02	1.11E-02	1.11E-02	1.11E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
105	1.09E-02	1.09E-02	1.09E-02	1.09E-02
106	1.06E-02	1.06E-02	1.06E-02	1.06E-02
107	1.03E-02	1.03E-02	1.03E-02	1.03E-02
108	9.91E-03	9.90E-03	9.91E-03	9.90E-03
109	9.50E-03	9.49E-03	9.50E-03	9.49E-03
110	9.02E-03	9.01E-03	9.02E-03	9.01E-03
111	8.47E-03	8.46E-03	8.47E-03	8.46E-03
112	7.82E-03	7.81E-03	7.82E-03	7.81E-03
113	7.08E-03	7.07E-03	7.08E-03	7.07E-03
114	6.26E-03	6.25E-03	6.26E-03	6.25E-03
115	5.43E-03	5.42E-03	5.43E-03	5.42E-03
116	4.66E-03	4.65E-03	4.66E-03	4.65E-03
117	4.01E-03	4.00E-03	4.01E-03	4.00E-03
118	3.49E-03	3.48E-03	3.49E-03	3.48E-03
119	3.08E-03	3.07E-03	3.08E-03	3.07E-03
120	2.75E-03	2.75E-03	2.75E-03	2.75E-03
121	6.83E-03	6.81E-03	6.83E-03	6.81E-03
122	7.19E-03	7.18E-03	7.19E-03	7.18E-03
123	7.67E-03	7.66E-03	7.67E-03	7.66E-03
124	8.29E-03	8.27E-03	8.29E-03	8.27E-03
125	9.10E-03	9.08E-03	9.10E-03	9.08E-03
126	1.01E-02	1.01E-02	1.01E-02	1.01E-02
127	1.13E-02	1.13E-02	1.13E-02	1.13E-02
128	1.27E-02	1.26E-02	1.27E-02	1.26E-02
129	1.37E-02	1.37E-02	1.37E-02	1.37E-02
130	1.44E-02	1.44E-02	1.44E-02	1.44E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
131	1.46E-02	1.45E-02	1.46E-02	1.45E-02
132	1.45E-02	1.45E-02	1.45E-02	1.45E-02
133	1.43E-02	1.43E-02	1.43E-02	1.43E-02
134	1.40E-02	1.40E-02	1.40E-02	1.40E-02
135	1.37E-02	1.37E-02	1.37E-02	1.37E-02
136	1.33E-02	1.33E-02	1.33E-02	1.33E-02
137	1.29E-02	1.29E-02	1.29E-02	1.29E-02
138	1.25E-02	1.25E-02	1.25E-02	1.25E-02
139	1.20E-02	1.20E-02	1.20E-02	1.20E-02
140	1.14E-02	1.14E-02	1.14E-02	1.14E-02
141	1.07E-02	1.07E-02	1.07E-02	1.07E-02
142	9.80E-03	9.80E-03	9.80E-03	9.80E-03
143	8.70E-03	8.70E-03	8.70E-03	8.70E-03
144	7.44E-03	7.44E-03	7.44E-03	7.44E-03
145	6.17E-03	6.17E-03	6.17E-03	6.17E-03
146	5.09E-03	5.08E-03	5.09E-03	5.08E-03
147	4.26E-03	4.25E-03	4.26E-03	4.25E-03
148	3.64E-03	3.64E-03	3.64E-03	3.64E-03
149	3.19E-03	3.18E-03	3.19E-03	3.18E-03
150	2.83E-03	2.82E-03	2.83E-03	2.82E-03
151	7.42E-03	7.39E-03	7.42E-03	7.39E-03
152	7.87E-03	7.85E-03	7.87E-03	7.85E-03
153	8.48E-03	8.46E-03	8.48E-03	8.46E-03
154	9.33E-03	9.32E-03	9.33E-03	9.32E-03
155	1.05E-02	1.05E-02	1.05E-02	1.05E-02
156	1.22E-02	1.22E-02	1.22E-02	1.22E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
157	1.45E-02	1.45E-02	1.45E-02	1.45E-02
158	1.72E-02	1.72E-02	1.72E-02	1.72E-02
159	1.91E-02	1.91E-02	1.91E-02	1.91E-02
160	1.98E-02	1.98E-02	1.98E-02	1.98E-02
161	1.98E-02	1.98E-02	1.98E-02	1.98E-02
162	1.96E-02	1.95E-02	1.96E-02	1.95E-02
163	1.92E-02	1.92E-02	1.92E-02	1.92E-02
164	1.88E-02	1.88E-02	1.88E-02	1.88E-02
165	1.84E-02	1.84E-02	1.84E-02	1.84E-02
166	1.80E-02	1.79E-02	1.80E-02	1.79E-02
167	1.75E-02	1.75E-02	1.75E-02	1.75E-02
168	1.70E-02	1.70E-02	1.70E-02	1.70E-02
169	1.64E-02	1.64E-02	1.64E-02	1.64E-02
170	1.57E-02	1.57E-02	1.57E-02	1.57E-02
171	1.47E-02	1.47E-02	1.47E-02	1.47E-02
172	1.34E-02	1.34E-02	1.34E-02	1.34E-02
173	1.16E-02	1.16E-02	1.16E-02	1.16E-02
174	9.31E-03	9.30E-03	9.31E-03	9.30E-03
175	7.13E-03	7.13E-03	7.13E-03	7.13E-03
176	5.54E-03	5.53E-03	5.54E-03	5.53E-03
177	4.49E-03	4.49E-03	4.49E-03	4.49E-03
178	3.79E-03	3.78E-03	3.79E-03	3.78E-03
179	3.28E-03	3.27E-03	3.28E-03	3.27E-03
180	2.89E-03	2.89E-03	2.89E-03	2.89E-03
181	8.07E-03	8.04E-03	8.07E-03	8.04E-03
182	8.60E-03	8.58E-03	8.60E-03	8.58E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
183	9.36E-03	9.34E-03	9.36E-03	9.34E-03
184	1.05E-02	1.05E-02	1.05E-02	1.05E-02
185	1.23E-02	1.22E-02	1.23E-02	1.22E-02
186	1.52E-02	1.52E-02	1.52E-02	1.52E-02
187	2.05E-02	2.04E-02	2.05E-02	2.04E-02
188	2.78E-02	2.78E-02	2.78E-02	2.78E-02
189	3.14E-02	3.14E-02	3.14E-02	3.14E-02
190	3.17E-02	3.16E-02	3.17E-02	3.16E-02
191	3.11E-02	3.11E-02	3.11E-02	3.11E-02
192	3.05E-02	3.05E-02	3.05E-02	3.05E-02
193	2.98E-02	2.98E-02	2.98E-02	2.98E-02
194	2.92E-02	2.92E-02	2.92E-02	2.92E-02
195	2.87E-02	2.87E-02	2.87E-02	2.87E-02
196	2.81E-02	2.81E-02	2.81E-02	2.81E-02
197	2.75E-02	2.75E-02	2.75E-02	2.75E-02
198	2.69E-02	2.68E-02	2.69E-02	2.68E-02
199	2.61E-02	2.61E-02	2.61E-02	2.61E-02
200	2.52E-02	2.52E-02	2.52E-02	2.52E-02
201	1.27E-02	1.27E-02	1.27E-02	1.27E-02
202	8.25E-03	8.24E-03	8.25E-03	8.24E-03
203	5.94E-03	5.94E-03	5.94E-03	5.94E-03
204	4.69E-03	4.68E-03	4.69E-03	4.68E-03
205	3.90E-03	3.89E-03	3.90E-03	3.89E-03
206	3.35E-03	3.35E-03	3.35E-03	3.35E-03
207	2.95E-03	2.94E-03	2.95E-03	2.94E-03
208	8.79E-03	8.76E-03	8.79E-03	8.76E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
209	9.40E-03	9.37E-03	9.40E-03	9.37E-03
210	1.03E-02	1.03E-02	1.03E-02	1.03E-02
211	1.17E-02	1.17E-02	1.17E-02	1.17E-02
212	1.41E-02	1.41E-02	1.41E-02	1.41E-02
213	1.90E-02	1.90E-02	1.90E-02	1.90E-02
214	3.33E-02	3.33E-02	3.33E-02	3.33E-02
215	5.96E-02	5.96E-02	5.96E-02	5.96E-02
216	4.52E-02	4.52E-02	4.52E-02	4.52E-02
217	4.32E-02	4.32E-02	4.32E-02	4.32E-02
218	5.67E-02	5.67E-02	5.67E-02	5.67E-02
219	4.07E-02	4.07E-02	4.07E-02	4.07E-02
220	4.01E-02	4.01E-02	4.01E-02	4.01E-02
221	5.34E-02	5.34E-02	5.34E-02	5.34E-02
222	3.85E-02	3.85E-02	3.85E-02	3.85E-02
223	5.27E-02	5.27E-02	5.27E-02	5.27E-02
224	5.08E-02	5.07E-02	5.08E-02	5.07E-02
225	3.65E-02	3.64E-02	3.65E-02	3.64E-02
226	4.95E-02	4.95E-02	4.95E-02	4.95E-02
227	4.76E-02	4.75E-02	4.76E-02	4.75E-02
228	1.96E-02	1.96E-02	1.96E-02	1.96E-02
229	9.08E-03	9.07E-03	9.08E-03	9.07E-03
230	6.19E-03	6.18E-03	6.19E-03	6.18E-03
231	4.80E-03	4.79E-03	4.80E-03	4.79E-03
232	3.96E-03	3.96E-03	3.96E-03	3.96E-03
233	3.39E-03	3.39E-03	3.39E-03	3.39E-03
234	2.98E-03	2.97E-03	2.98E-03	2.97E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
235	3.88E-03	3.88E-03	3.50E-03	3.88E-03
236	4.22E-03	4.22E-03	3.80E-03	4.22E-03
237	4.61E-03	4.61E-03	4.14E-03	4.61E-03
238	5.03E-03	5.03E-03	4.51E-03	5.03E-03
239	5.50E-03	5.50E-03	4.93E-03	5.50E-03
240	5.99E-03	5.99E-03	5.39E-03	5.99E-03
241	9.38E-03	9.31E-03	9.38E-03	9.31E-03
242	9.64E-03	9.29E-03	9.64E-03	9.29E-03
243	1.01E-02	9.32E-03	1.01E-02	9.32E-03
244	1.03E-02	9.37E-03	1.03E-02	9.37E-03
245	9.59E-03	8.77E-03	9.59E-03	8.77E-03
246	9.40E-03	8.58E-03	9.40E-03	8.58E-03
247	9.17E-03	8.40E-03	9.17E-03	8.40E-03
248	8.93E-03	8.25E-03	8.93E-03	8.25E-03
249	8.71E-03	8.12E-03	8.71E-03	8.12E-03
250	8.53E-03	8.02E-03	8.53E-03	8.02E-03
251	8.37E-03	7.94E-03	8.37E-03	7.94E-03
252	8.25E-03	7.88E-03	8.25E-03	7.88E-03
253	2.22E-02	2.22E-02	2.22E-02	2.22E-02
254	4.45E-02	4.45E-02	4.45E-02	4.45E-02
255	4.50E-02	4.49E-02	4.50E-02	4.49E-02
256	4.50E-02	4.50E-02	4.50E-02	4.50E-02
257	4.48E-02	4.48E-02	4.48E-02	4.48E-02
258	4.47E-02	4.47E-02	4.47E-02	4.47E-02
259	4.44E-02	4.44E-02	4.44E-02	4.44E-02
260	4.36E-02	4.36E-02	4.36E-02	4.36E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
261	4.17E-02	4.17E-02	4.17E-02	4.17E-02
262	3.51E-02	3.51E-02	3.51E-02	3.51E-02
263	4.12E-03	4.12E-03	3.67E-03	4.12E-03
264	4.53E-03	4.53E-03	4.02E-03	4.53E-03
265	4.99E-03	4.99E-03	4.41E-03	4.99E-03
266	5.51E-03	5.51E-03	4.86E-03	5.51E-03
267	6.10E-03	6.10E-03	5.37E-03	6.10E-03
268	6.74E-03	6.74E-03	5.94E-03	6.74E-03
269	1.18E-02	1.10E-02	1.18E-02	1.10E-02
270	1.22E-02	1.11E-02	1.22E-02	1.11E-02
271	1.22E-02	1.08E-02	1.22E-02	1.08E-02
272	1.14E-02	9.98E-03	1.14E-02	9.98E-03
273	1.07E-02	9.64E-03	1.07E-02	9.64E-03
274	1.04E-02	9.42E-03	1.04E-02	9.42E-03
275	1.01E-02	9.23E-03	1.01E-02	9.23E-03
276	9.76E-03	9.09E-03	9.76E-03	9.09E-03
277	9.54E-03	8.98E-03	9.54E-03	8.98E-03
278	9.36E-03	8.89E-03	9.36E-03	8.89E-03
279	9.22E-03	8.82E-03	9.22E-03	8.82E-03
280	2.39E-02	2.39E-02	2.39E-02	2.39E-02
281	4.62E-02	4.61E-02	4.62E-02	4.61E-02
282	2.24E-02	2.24E-02	2.24E-02	2.24E-02
283	2.19E-02	2.19E-02	2.19E-02	2.19E-02
284	2.15E-02	2.15E-02	2.15E-02	2.15E-02
285	2.10E-02	2.10E-02	2.10E-02	2.10E-02
286	2.03E-02	2.03E-02	2.03E-02	2.03E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
287	1.93E-02	1.93E-02	1.93E-02	1.93E-02
288	1.76E-02	1.76E-02	1.76E-02	1.76E-02
289	1.47E-02	1.47E-02	1.47E-02	1.47E-02
290	4.36E-03	4.36E-03	3.84E-03	4.36E-03
291	4.85E-03	4.85E-03	4.24E-03	4.85E-03
292	5.41E-03	5.41E-03	4.70E-03	5.41E-03
293	6.06E-03	6.06E-03	5.24E-03	6.06E-03
294	6.81E-03	6.81E-03	5.86E-03	6.81E-03
295	7.65E-03	7.65E-03	6.58E-03	7.65E-03
296	1.38E-02	1.27E-02	1.38E-02	1.27E-02
297	1.48E-02	1.29E-02	1.48E-02	1.29E-02
298	1.43E-02	1.23E-02	1.43E-02	1.23E-02
299	1.29E-02	1.13E-02	1.29E-02	1.13E-02
300	1.23E-02	1.10E-02	1.23E-02	1.10E-02
301	1.18E-02	1.07E-02	1.18E-02	1.07E-02
302	1.16E-02	1.06E-02	1.16E-02	1.06E-02
303	1.11E-02	1.03E-02	1.11E-02	1.03E-02
304	1.08E-02	1.02E-02	1.08E-02	1.02E-02
305	1.06E-02	1.01E-02	1.06E-02	1.01E-02
306	1.05E-02	1.00E-02	1.05E-02	1.00E-02
307	1.04E-02	1.04E-02	1.04E-02	1.04E-02
308	1.06E-02	1.05E-02	1.06E-02	1.05E-02
309	2.50E-02	2.50E-02	2.50E-02	2.50E-02
310	4.65E-02	4.65E-02	4.65E-02	4.65E-02
311	1.56E-02	1.56E-02	1.56E-02	1.56E-02
312	1.51E-02	1.51E-02	1.51E-02	1.51E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
313	1.46E-02	1.46E-02	1.46E-02	1.46E-02
314	1.40E-02	1.40E-02	1.40E-02	1.40E-02
315	1.34E-02	1.34E-02	1.34E-02	1.34E-02
316	1.25E-02	1.25E-02	1.25E-02	1.25E-02
317	1.14E-02	1.14E-02	1.14E-02	1.14E-02
318	9.80E-03	9.79E-03	9.80E-03	9.79E-03
319	4.61E-03	4.61E-03	4.01E-03	4.61E-03
320	5.18E-03	5.18E-03	4.46E-03	5.18E-03
321	5.85E-03	5.85E-03	4.99E-03	5.85E-03
322	6.67E-03	6.67E-03	5.63E-03	6.67E-03
323	7.64E-03	7.64E-03	6.40E-03	7.64E-03
324	8.78E-03	8.78E-03	7.32E-03	8.78E-03
325	1.72E-02	1.52E-02	1.72E-02	1.52E-02
326	1.68E-02	1.44E-02	1.68E-02	1.44E-02
327	1.64E-02	1.37E-02	1.64E-02	1.37E-02
328	1.52E-02	1.31E-02	1.52E-02	1.31E-02
329	1.44E-02	1.27E-02	1.44E-02	1.27E-02
330	1.37E-02	1.24E-02	1.37E-02	1.24E-02
331	1.32E-02	1.22E-02	1.32E-02	1.22E-02
332	1.28E-02	1.20E-02	1.28E-02	1.20E-02
333	1.26E-02	1.19E-02	1.26E-02	1.19E-02
334	1.23E-02	1.18E-02	1.23E-02	1.18E-02
335	1.22E-02	1.17E-02	1.22E-02	1.17E-02
336	1.22E-02	1.21E-02	1.22E-02	1.21E-02
337	1.23E-02	1.22E-02	1.23E-02	1.22E-02
338	2.59E-02	2.59E-02	2.59E-02	2.59E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
339	4.67E-02	4.67E-02	4.67E-02	4.67E-02
340	8.58E-03	8.57E-03	8.58E-03	8.57E-03
341	7.60E-03	7.59E-03	7.60E-03	7.59E-03
342	4.85E-03	4.85E-03	4.16E-03	4.85E-03
343	5.50E-03	5.50E-03	4.67E-03	5.50E-03
344	6.31E-03	6.31E-03	5.28E-03	6.31E-03
345	7.32E-03	7.32E-03	6.04E-03	7.32E-03
346	8.58E-03	8.58E-03	6.99E-03	8.58E-03
347	1.02E-02	1.02E-02	8.17E-03	1.02E-02
348	2.26E-02	2.00E-02	2.26E-02	2.00E-02
349	2.24E-02	1.86E-02	2.24E-02	1.86E-02
350	2.13E-02	1.73E-02	2.13E-02	1.73E-02
351	1.97E-02	1.64E-02	1.97E-02	1.64E-02
352	1.83E-02	1.57E-02	1.83E-02	1.57E-02
353	1.72E-02	1.52E-02	1.72E-02	1.52E-02
354	1.64E-02	1.49E-02	1.64E-02	1.49E-02
355	1.58E-02	1.46E-02	1.58E-02	1.46E-02
356	1.52E-02	1.42E-02	1.52E-02	1.42E-02
357	1.50E-02	1.42E-02	1.50E-02	1.42E-02
358	1.48E-02	1.42E-02	1.48E-02	1.42E-02
359	1.46E-02	1.41E-02	1.46E-02	1.41E-02
360	1.45E-02	1.44E-02	1.45E-02	1.44E-02
361	1.46E-02	1.45E-02	1.46E-02	1.45E-02
362	1.47E-02	1.47E-02	1.47E-02	1.47E-02
363	1.48E-02	1.48E-02	1.48E-02	1.48E-02
364	2.71E-02	2.71E-02	2.71E-02	2.71E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
365	4.72E-02	4.72E-02	4.72E-02	4.72E-02
366	1.41E-02	1.41E-02	1.41E-02	1.41E-02
367	1.26E-02	1.26E-02	1.26E-02	1.26E-02
368	1.16E-02	1.16E-02	1.16E-02	1.16E-02
369	7.02E-03	7.01E-03	7.02E-03	7.01E-03
370	6.32E-03	6.32E-03	6.32E-03	6.32E-03
371	5.61E-03	5.60E-03	5.61E-03	5.60E-03
372	4.93E-03	4.92E-03	4.93E-03	4.92E-03
373	4.33E-03	4.32E-03	4.33E-03	4.32E-03
374	3.82E-03	3.81E-03	3.82E-03	3.81E-03
375	3.39E-03	3.39E-03	3.39E-03	3.39E-03
376	3.04E-03	3.03E-03	3.04E-03	3.03E-03
377	2.75E-03	2.74E-03	2.75E-03	2.74E-03
378	5.06E-03	5.06E-03	4.30E-03	5.06E-03
379	5.80E-03	5.80E-03	4.85E-03	5.80E-03
380	6.75E-03	6.75E-03	5.54E-03	6.75E-03
381	7.98E-03	7.98E-03	6.43E-03	7.98E-03
382	9.61E-03	9.61E-03	7.59E-03	9.61E-03
383	1.18E-02	1.18E-02	9.14E-03	1.18E-02
384	3.21E-02	2.59E-02	3.21E-02	2.59E-02
385	3.07E-02	2.34E-02	3.07E-02	2.34E-02
386	2.79E-02	2.17E-02	2.79E-02	2.17E-02
387	2.51E-02	2.05E-02	2.51E-02	2.05E-02
388	2.30E-02	1.97E-02	2.30E-02	1.97E-02
389	2.15E-02	1.91E-02	2.15E-02	1.91E-02
390	2.05E-02	1.87E-02	2.05E-02	1.87E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
391	1.98E-02	1.85E-02	1.98E-02	1.85E-02
392	1.93E-02	1.83E-02	1.93E-02	1.83E-02
393	1.90E-02	1.82E-02	1.90E-02	1.82E-02
394	1.88E-02	1.81E-02	1.88E-02	1.81E-02
395	1.86E-02	1.81E-02	1.86E-02	1.81E-02
396	1.90E-02	1.89E-02	1.90E-02	1.89E-02
397	1.91E-02	1.90E-02	1.91E-02	1.90E-02
398	1.91E-02	1.90E-02	1.91E-02	1.90E-02
399	1.91E-02	1.91E-02	1.91E-02	1.91E-02
400	2.94E-02	2.94E-02	2.94E-02	2.94E-02
401	4.84E-02	4.83E-02	4.84E-02	4.83E-02
402	1.28E-02	1.28E-02	1.28E-02	1.28E-02
403	1.13E-02	1.13E-02	1.13E-02	1.13E-02
404	1.02E-02	1.02E-02	1.02E-02	1.02E-02
405	6.01E-03	6.00E-03	6.01E-03	6.00E-03
406	5.48E-03	5.47E-03	5.48E-03	5.47E-03
407	4.95E-03	4.94E-03	4.95E-03	4.94E-03
408	4.45E-03	4.44E-03	4.45E-03	4.44E-03
409	3.98E-03	3.97E-03	3.98E-03	3.97E-03
410	3.57E-03	3.56E-03	3.57E-03	3.56E-03
411	3.22E-03	3.21E-03	3.22E-03	3.21E-03
412	2.91E-03	2.91E-03	2.91E-03	2.91E-03
413	2.66E-03	2.65E-03	2.66E-03	2.65E-03
414	5.23E-03	5.23E-03	4.40E-03	5.23E-03
415	6.05E-03	6.05E-03	5.00E-03	6.05E-03
416	7.13E-03	7.13E-03	5.76E-03	7.13E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
417	8.59E-03	8.59E-03	6.77E-03	8.59E-03
418	1.06E-02	1.06E-02	8.15E-03	1.06E-02
419	1.36E-02	1.36E-02	1.02E-02	1.36E-02
420	4.83E-02	4.83E-02	4.33E-02	4.83E-02
421	5.02E-02	4.15E-02	5.02E-02	4.15E-02
422	5.14E-02	3.56E-02	5.14E-02	3.56E-02
423	4.58E-02	3.17E-02	4.58E-02	3.17E-02
424	3.90E-02	2.94E-02	3.90E-02	2.94E-02
425	3.41E-02	2.80E-02	3.41E-02	2.80E-02
426	3.11E-02	2.71E-02	3.11E-02	2.71E-02
427	2.93E-02	2.66E-02	2.93E-02	2.66E-02
428	2.82E-02	2.63E-02	2.82E-02	2.63E-02
429	2.75E-02	2.61E-02	2.75E-02	2.61E-02
430	2.71E-02	2.60E-02	2.71E-02	2.60E-02
431	2.68E-02	2.59E-02	2.68E-02	2.59E-02
432	2.66E-02	2.60E-02	2.66E-02	2.60E-02
433	2.66E-02	2.60E-02	2.66E-02	2.60E-02
434	2.88E-02	2.87E-02	2.88E-02	2.87E-02
435	2.90E-02	2.89E-02	2.90E-02	2.89E-02
436	2.87E-02	2.86E-02	2.87E-02	2.86E-02
437	2.85E-02	2.85E-02	2.85E-02	2.85E-02
438	2.84E-02	2.84E-02	2.84E-02	2.84E-02
439	3.53E-02	3.53E-02	3.53E-02	3.53E-02
440	5.17E-02	5.17E-02	5.17E-02	5.17E-02
441	1.17E-02	1.17E-02	1.17E-02	1.17E-02
442	1.02E-02	1.02E-02	1.02E-02	1.02E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
443	9.22E-03	9.20E-03	9.22E-03	9.20E-03
444	8.48E-03	8.46E-03	8.48E-03	8.46E-03
445	7.90E-03	7.88E-03	7.90E-03	7.88E-03
446	7.41E-03	7.40E-03	7.41E-03	7.40E-03
447	6.97E-03	6.96E-03	6.97E-03	6.96E-03
448	6.54E-03	6.53E-03	6.54E-03	6.53E-03
449	6.13E-03	6.13E-03	6.13E-03	6.13E-03
450	5.72E-03	5.71E-03	5.72E-03	5.71E-03
451	5.31E-03	5.30E-03	5.31E-03	5.30E-03
452	4.88E-03	4.87E-03	4.88E-03	4.87E-03
453	4.46E-03	4.45E-03	4.46E-03	4.45E-03
454	4.06E-03	4.05E-03	4.06E-03	4.05E-03
455	3.69E-03	3.68E-03	3.69E-03	3.68E-03
456	3.35E-03	3.34E-03	3.35E-03	3.34E-03
457	3.06E-03	3.05E-03	3.06E-03	3.05E-03
458	2.79E-03	2.78E-03	2.79E-03	2.78E-03
459	2.56E-03	2.55E-03	2.56E-03	2.55E-03
460	5.35E-03	5.35E-03	4.47E-03	5.35E-03
461	6.23E-03	6.23E-03	5.10E-03	6.23E-03
462	7.41E-03	7.41E-03	5.91E-03	7.41E-03
463	9.05E-03	9.05E-03	7.01E-03	9.05E-03
464	1.15E-02	1.15E-02	8.57E-03	1.15E-02
465	1.54E-02	1.54E-02	1.10E-02	1.54E-02
466	9.19E-02	9.19E-02	8.26E-02	9.19E-02
467	1.09E-01	6.97E-02	1.09E-01	6.97E-02
468	1.05E-01	5.89E-02	1.05E-01	5.89E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
469	8.00E-02	5.38E-02	8.00E-02	5.38E-02
470	6.48E-02	5.13E-02	6.48E-02	5.13E-02
471	5.78E-02	5.02E-02	5.78E-02	5.02E-02
472	5.44E-02	4.97E-02	5.44E-02	4.97E-02
473	5.27E-02	4.97E-02	5.27E-02	4.97E-02
474	5.20E-02	4.99E-02	5.20E-02	4.99E-02
475	5.19E-02	5.03E-02	5.19E-02	5.03E-02
476	5.20E-02	5.08E-02	5.20E-02	5.08E-02
477	5.24E-02	5.15E-02	5.24E-02	5.15E-02
478	5.29E-02	5.22E-02	5.29E-02	5.22E-02
479	5.35E-02	5.29E-02	5.35E-02	5.29E-02
480	5.06E-02	5.06E-02	5.06E-02	5.06E-02
481	5.18E-02	5.18E-02	5.18E-02	5.18E-02
482	5.08E-02	5.08E-02	5.08E-02	5.08E-02
483	1.07E-02	1.07E-02	1.07E-02	1.07E-02
484	9.33E-03	9.32E-03	9.33E-03	9.32E-03
485	8.39E-03	8.37E-03	8.39E-03	8.37E-03
486	7.68E-03	7.67E-03	7.68E-03	7.67E-03
487	7.13E-03	7.12E-03	7.13E-03	7.12E-03
488	6.67E-03	6.66E-03	6.67E-03	6.66E-03
489	6.26E-03	6.25E-03	6.26E-03	6.25E-03
490	5.86E-03	5.85E-03	5.86E-03	5.85E-03
491	5.49E-03	5.49E-03	5.49E-03	5.49E-03
492	5.13E-03	5.12E-03	5.13E-03	5.12E-03
493	4.77E-03	4.77E-03	4.77E-03	4.77E-03
494	4.42E-03	4.42E-03	4.42E-03	4.42E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
495	4.08E-03	4.07E-03	4.08E-03	4.07E-03
496	3.74E-03	3.74E-03	3.74E-03	3.74E-03
497	3.44E-03	3.44E-03	3.44E-03	3.44E-03
498	3.16E-03	3.15E-03	3.16E-03	3.15E-03
499	2.91E-03	2.90E-03	2.91E-03	2.90E-03
500	2.67E-03	2.67E-03	2.67E-03	2.67E-03
501	2.47E-03	2.46E-03	2.47E-03	2.46E-03
502	5.41E-03	5.41E-03	4.50E-03	5.41E-03
503	6.32E-03	6.32E-03	5.14E-03	6.32E-03
504	4.76E-02	4.76E-02	4.76E-02	4.76E-02
505	4.83E-02	4.82E-02	4.83E-02	4.82E-02
506	4.91E-02	4.90E-02	4.91E-02	4.90E-02
507	4.99E-02	4.98E-02	4.99E-02	4.98E-02
508	5.07E-02	5.07E-02	5.07E-02	5.07E-02
509	7.66E-03	7.65E-03	7.66E-03	7.65E-03
510	5.36E-03	5.36E-03	4.42E-03	5.36E-03
511	6.30E-03	6.30E-03	5.11E-03	6.30E-03
512	2.35E-02	2.34E-02	2.35E-02	2.34E-02
513	2.36E-02	2.36E-02	2.36E-02	2.36E-02
514	2.38E-02	2.37E-02	2.38E-02	2.37E-02
515	2.40E-02	2.39E-02	2.40E-02	2.39E-02
516	2.41E-02	2.41E-02	2.41E-02	2.41E-02
517	7.01E-03	7.00E-03	7.01E-03	7.00E-03
518	5.11E-03	5.11E-03	4.26E-03	5.11E-03
519	6.19E-03	6.19E-03	5.02E-03	6.19E-03
520	1.63E-02	1.63E-02	1.63E-02	1.63E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
521	1.64E-02	1.64E-02	1.64E-02	1.64E-02
522	1.65E-02	1.64E-02	1.65E-02	1.64E-02
523	1.66E-02	1.65E-02	1.66E-02	1.65E-02
524	6.42E-03	6.41E-03	6.42E-03	6.41E-03
525	4.72E-03	4.72E-03	3.95E-03	4.72E-03
526	5.65E-03	5.65E-03	4.63E-03	5.65E-03
527	5.89E-03	5.87E-03	5.89E-03	5.87E-03
528	8.89E-03	8.88E-03	8.89E-03	8.88E-03
529	8.20E-03	8.19E-03	8.20E-03	8.19E-03
530	7.52E-03	7.50E-03	7.52E-03	7.50E-03
531	6.87E-03	6.86E-03	6.87E-03	6.86E-03
532	6.31E-03	6.29E-03	6.31E-03	6.29E-03
533	5.82E-03	5.81E-03	5.82E-03	5.81E-03
534	5.40E-03	5.39E-03	5.40E-03	5.39E-03
535	7.56E-03	7.54E-03	7.56E-03	7.54E-03
536	7.08E-03	7.07E-03	7.08E-03	7.07E-03
537	6.60E-03	6.59E-03	6.60E-03	6.59E-03
538	6.13E-03	6.12E-03	6.13E-03	6.12E-03
539	5.70E-03	5.69E-03	5.70E-03	5.69E-03
540	5.32E-03	5.30E-03	5.32E-03	5.30E-03
541	4.97E-03	4.96E-03	4.97E-03	4.96E-03
542	6.58E-03	6.56E-03	6.58E-03	6.56E-03
543	6.23E-03	6.22E-03	6.23E-03	6.22E-03
544	5.87E-03	5.86E-03	5.87E-03	5.86E-03
545	5.52E-03	5.50E-03	5.52E-03	5.50E-03
546	5.19E-03	5.17E-03	5.19E-03	5.17E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.1089

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
547	4.87E-03	4.86E-03	4.87E-03	4.86E-03
548	4.59E-03	4.58E-03	4.59E-03	4.58E-03
549	5.83E-03	5.81E-03	5.83E-03	5.81E-03
550	5.56E-03	5.55E-03	5.56E-03	5.55E-03
551	5.29E-03	5.27E-03	5.29E-03	5.27E-03
552	5.01E-03	4.99E-03	5.01E-03	4.99E-03
553	4.74E-03	4.73E-03	4.74E-03	4.73E-03
554	4.49E-03	4.47E-03	4.49E-03	4.47E-03
555	4.25E-03	4.24E-03	4.25E-03	4.24E-03
556	6.51E-02	6.51E-02	6.51E-02	6.51E-02
557	5.14E-02	5.14E-02	5.14E-02	5.14E-02
558	2.92E-02	2.92E-02	2.92E-02	2.92E-02
559	3.02E-02	3.01E-02	3.02E-02	3.01E-02

Unmitigated Risk from Facility Location 1

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
1	0.44239	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.31E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	**35.63**
2	0.42104	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.25E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
3	0.39428	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.17E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
4	0.38068	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.13E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
5	0.365	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.08E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
6	0.35285	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.05E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
7	0.34041	2.8E-03	9.7E-04	1090	1	0.96	1E-06	1.01E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
8	0.3295	2.8E-03	9.4E-04	1090	1	0.96	1E-06	9.79E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
9	0.31826	2.8E-03	9.0E-04	1090	1	0.96	1E-06	9.45E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
10	0.30848	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.16E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
11	0.29832	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.86E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
12	0.28995	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.61E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
13	0.28106	2.8E-03	8.0E-04	1090	1	0.96	1E-06	8.35E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
14	0.27218	2.8E-03	7.7E-04	1090	1	0.96	1E-06	8.08E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
15	0.26459	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.86E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
16	0.25654	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.62E-07	1.1	10	0.96	70	0.85	9.8E-08	9.8E-02	
17	0.24861	2.8E-03	7.1E-04	1090	1	0.96	1E-06	7.38E-07	1.1	10	0.96	70	0.85	9.5E-08	9.5E-02	
18	0.24183	2.8E-03	6.9E-04	1090	1	0.96	1E-06	7.18E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
19	0.23536	2.8E-03	6.7E-04	1090	1	0.96	1E-06	6.99E-07	1.1	10	0.96	70	0.85	9.0E-08	9.0E-02	
20	0.22811	2.8E-03	6.5E-04	1090	1	0.96	1E-06	6.78E-07	1.1	10	0.96	70	0.85	8.7E-08	8.7E-02	
21	0.22114	2.8E-03	6.3E-04	1090	1	0.96	1E-06	6.57E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
22	0.21561	2.8E-03	6.1E-04	1090	1	0.96	1E-06	6.40E-07	1.1	10	0.96	70	0.85	8.2E-08	8.2E-02	
23	0.20915	2.8E-03	5.9E-04	1090	1	0.96	1E-06	6.21E-07	1.1	10	0.96	70	0.85	8.0E-08	8.0E-02	
24	0.2035	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.04E-07	1.1	10	0.96	70	0.85	7.8E-08	7.8E-02	
25	0.19809	2.8E-03	5.6E-04	1090	1	0.96	1E-06	5.88E-07	1.1	10	0.96	70	0.85	7.6E-08	7.6E-02	
26	0.1925	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.72E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
27	0.18715	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.56E-07	1.1	10	0.96	70	0.85	7.1E-08	7.1E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
28	0.18207	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.41E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
29	0.17791	2.8E-03	5.1E-04	1090	1	0.96	1E-06	5.28E-07	1.1	10	0.96	70	0.85	6.8E-08	6.8E-02	
30	0.17321	2.8E-03	4.9E-04	1090	1	0.96	1E-06	5.14E-07	1.1	10	0.96	70	0.85	6.6E-08	6.6E-02	
31	0.44742	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.33E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
32	0.4253	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.26E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
33	0.39756	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.18E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
34	0.38371	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.14E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
35	0.36772	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
36	0.35544	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
37	0.34277	2.8E-03	9.7E-04	1090	1	0.96	1E-06	1.02E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
38	0.33177	2.8E-03	9.4E-04	1090	1	0.96	1E-06	9.85E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
39	0.32052	2.8E-03	9.1E-04	1090	1	0.96	1E-06	9.52E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
40	0.31044	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.22E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
41	0.30015	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.92E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
42	0.29208	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.68E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
43	0.28271	2.8E-03	8.0E-04	1090	1	0.96	1E-06	8.40E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
44	0.2746	2.8E-03	7.8E-04	1090	1	0.96	1E-06	8.16E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
45	0.26605	2.8E-03	7.6E-04	1090	1	0.96	1E-06	7.90E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
46	0.25846	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.68E-07	1.1	10	0.96	70	0.85	9.9E-08	9.9E-02	
47	0.25047	2.8E-03	7.1E-04	1090	1	0.96	1E-06	7.44E-07	1.1	10	0.96	70	0.85	9.6E-08	9.6E-02	
48	0.24336	2.8E-03	6.9E-04	1090	1	0.96	1E-06	7.23E-07	1.1	10	0.96	70	0.85	9.3E-08	9.3E-02	
49	0.23645	2.8E-03	6.7E-04	1090	1	0.96	1E-06	7.02E-07	1.1	10	0.96	70	0.85	9.0E-08	9.0E-02	
50	0.2292	2.8E-03	6.5E-04	1090	1	0.96	1E-06	6.81E-07	1.1	10	0.96	70	0.85	8.8E-08	8.8E-02	
51	0.22305	2.8E-03	6.3E-04	1090	1	0.96	1E-06	6.63E-07	1.1	10	0.96	70	0.85	8.5E-08	8.5E-02	
52	0.21658	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.43E-07	1.1	10	0.96	70	0.85	8.3E-08	8.3E-02	
53	0.21006	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.24E-07	1.1	10	0.96	70	0.85	8.0E-08	8.0E-02	
54	0.2044	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.07E-07	1.1	10	0.96	70	0.85	7.8E-08	7.8E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
55	0.19898	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.91E-07	1.1	10	0.96	70	0.85	7.6E-08	7.6E-02	
56	0.19328	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.74E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
57	0.18788	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.58E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
58	0.18332	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.45E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
59	0.17858	2.8E-03	5.1E-04	1090	1	0.96	1E-06	5.30E-07	1.1	10	0.96	70	0.85	6.8E-08	6.8E-02	
60	0.17384	2.8E-03	4.9E-04	1090	1	0.96	1E-06	5.16E-07	1.1	10	0.96	70	0.85	6.6E-08	6.6E-02	
61	0.45234	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.34E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
62	0.42946	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.28E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
63	0.40254	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.20E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
64	0.38672	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.15E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
65	0.37095	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.10E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
66	0.35797	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
67	0.34586	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.03E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
68	0.33397	2.8E-03	9.5E-04	1090	1	0.96	1E-06	9.92E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
69	0.32341	2.8E-03	9.2E-04	1090	1	0.96	1E-06	9.61E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
70	0.31238	2.8E-03	8.9E-04	1090	1	0.96	1E-06	9.28E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
71	0.30287	2.8E-03	8.6E-04	1090	1	0.96	1E-06	9.00E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
72	0.29382	2.8E-03	8.4E-04	1090	1	0.96	1E-06	8.73E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
73	0.28433	2.8E-03	8.1E-04	1090	1	0.96	1E-06	8.45E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
74	0.27614	2.8E-03	7.8E-04	1090	1	0.96	1E-06	8.20E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
75	0.2675	2.8E-03	7.6E-04	1090	1	0.96	1E-06	7.95E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
76	0.26009	2.8E-03	7.4E-04	1090	1	0.96	1E-06	7.73E-07	1.1	10	0.96	70	0.85	9.9E-08	9.9E-02	
77	0.25222	2.8E-03	7.2E-04	1090	1	0.96	1E-06	7.49E-07	1.1	10	0.96	70	0.85	9.6E-08	9.6E-02	
78	0.24442	2.8E-03	6.9E-04	1090	1	0.96	1E-06	7.26E-07	1.1	10	0.96	70	0.85	9.3E-08	9.3E-02	
79	0.2378	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.06E-07	1.1	10	0.96	70	0.85	9.1E-08	9.1E-02	
80	0.23045	2.8E-03	6.5E-04	1090	1	0.96	1E-06	6.85E-07	1.1	10	0.96	70	0.85	8.8E-08	8.8E-02	
81	0.22446	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.67E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
82	0.21758	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.46E-07	1.1	10	0.96	70	0.85	8.3E-08	8.3E-02	
83	0.21155	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.28E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
84	0.20581	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.11E-07	1.1	10	0.96	70	0.85	7.9E-08	7.9E-02	
85	0.19979	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.93E-07	1.1	10	0.96	70	0.85	7.6E-08	7.6E-02	
86	0.19404	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.76E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
87	0.18902	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.61E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
88	0.18426	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.47E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
89	0.17923	2.8E-03	5.1E-04	1090	1	0.96	1E-06	5.32E-07	1.1	10	0.96	70	0.85	6.8E-08	6.8E-02	
90	0.17445	2.8E-03	5.0E-04	1090	1	0.96	1E-06	5.18E-07	1.1	10	0.96	70	0.85	6.7E-08	6.7E-02	
91	0.45712	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.36E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
92	0.43351	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.29E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
93	0.41808	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.24E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
94	0.38967	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.16E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
95	0.37624	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.12E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
96	0.36046	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.07E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
97	0.34853	2.8E-03	9.9E-04	1090	1	0.96	1E-06	1.04E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
98	0.33633	2.8E-03	9.6E-04	1090	1	0.96	1E-06	9.99E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
99	0.32546	2.8E-03	9.2E-04	1090	1	0.96	1E-06	9.67E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
100	0.31429	2.8E-03	8.9E-04	1090	1	0.96	1E-06	9.34E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
101	0.30467	2.8E-03	8.7E-04	1090	1	0.96	1E-06	9.05E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
102	0.29552	2.8E-03	8.4E-04	1090	1	0.96	1E-06	8.78E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
103	0.28634	2.8E-03	8.1E-04	1090	1	0.96	1E-06	8.51E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
104	0.27766	2.8E-03	7.9E-04	1090	1	0.96	1E-06	8.25E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
105	0.26895	2.8E-03	7.6E-04	1090	1	0.96	1E-06	7.99E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
106	0.26144	2.8E-03	7.4E-04	1090	1	0.96	1E-06	7.77E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
107	0.25343	2.8E-03	7.2E-04	1090	1	0.96	1E-06	7.53E-07	1.1	10	0.96	70	0.85	9.7E-08	9.7E-02	
108	0.2454	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.29E-07	1.1	10	0.96	70	0.85	9.4E-08	9.4E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
109	0.23953	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.11E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
110	0.23181	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.89E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
111	0.22547	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.70E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
112	0.21856	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.49E-07	1.1	10	0.96	70	0.85	8.3E-08	8.3E-02	
113	0.21309	2.8E-03	6.1E-04	1090	1	0.96	1E-06	6.33E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
114	0.20664	2.8E-03	5.9E-04	1090	1	0.96	1E-06	6.14E-07	1.1	10	0.96	70	0.85	7.9E-08	7.9E-02	
115	0.20057	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.96E-07	1.1	10	0.96	70	0.85	7.7E-08	7.7E-02	
116	0.19524	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.80E-07	1.1	10	0.96	70	0.85	7.5E-08	7.5E-02	
117	0.19022	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.65E-07	1.1	10	0.96	70	0.85	7.3E-08	7.3E-02	
118	0.18493	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.49E-07	1.1	10	0.96	70	0.85	7.1E-08	7.1E-02	
119	0.17986	2.8E-03	5.1E-04	1090	1	0.96	1E-06	5.34E-07	1.1	10	0.96	70	0.85	6.9E-08	6.9E-02	
120	0.1758	2.8E-03	5.0E-04	1090	1	0.96	1E-06	5.22E-07	1.1	10	0.96	70	0.85	6.7E-08	6.7E-02	
121	0.46172	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.37E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
122	0.43899	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.30E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
123	0.42172	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.25E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
124	0.39353	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.17E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
125	0.37894	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.13E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
126	0.36545	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
127	0.35082	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.04E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
128	0.33938	2.8E-03	9.6E-04	1090	1	0.96	1E-06	1.01E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
129	0.32746	2.8E-03	9.3E-04	1090	1	0.96	1E-06	9.73E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
130	0.31719	2.8E-03	9.0E-04	1090	1	0.96	1E-06	9.42E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
131	0.30643	2.8E-03	8.7E-04	1090	1	0.96	1E-06	9.10E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
132	0.29718	2.8E-03	8.4E-04	1090	1	0.96	1E-06	8.83E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
133	0.28749	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.54E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
134	0.2785	2.8E-03	7.9E-04	1090	1	0.96	1E-06	8.27E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
135	0.2703	2.8E-03	7.7E-04	1090	1	0.96	1E-06	8.03E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
136	0.26275	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.80E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
137	0.25469	2.8E-03	7.2E-04	1090	1	0.96	1E-06	7.57E-07	1.1	10	0.96	70	0.85	9.7E-08	9.7E-02	
138	0.24787	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.36E-07	1.1	10	0.96	70	0.85	9.5E-08	9.5E-02	
139	0.24095	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.16E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
140	0.23353	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.94E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
141	0.22644	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.73E-07	1.1	10	0.96	70	0.85	8.7E-08	8.7E-02	
142	0.22043	2.8E-03	6.3E-04	1090	1	0.96	1E-06	6.55E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
143	0.21395	2.8E-03	6.1E-04	1090	1	0.96	1E-06	6.36E-07	1.1	10	0.96	70	0.85	8.2E-08	8.2E-02	
144	0.20745	2.8E-03	5.9E-04	1090	1	0.96	1E-06	6.16E-07	1.1	10	0.96	70	0.85	7.9E-08	7.9E-02	
145	0.20183	2.8E-03	5.7E-04	1090	1	0.96	1E-06	6.00E-07	1.1	10	0.96	70	0.85	7.7E-08	7.7E-02	
146	0.19653	2.8E-03	5.6E-04	1090	1	0.96	1E-06	5.84E-07	1.1	10	0.96	70	0.85	7.5E-08	7.5E-02	
147	0.19089	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.67E-07	1.1	10	0.96	70	0.85	7.3E-08	7.3E-02	
148	0.18559	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.51E-07	1.1	10	0.96	70	0.85	7.1E-08	7.1E-02	
149	0.1813	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.39E-07	1.1	10	0.96	70	0.85	6.9E-08	6.9E-02	
150	0.17639	2.8E-03	5.0E-04	1090	1	0.96	1E-06	5.24E-07	1.1	10	0.96	70	0.85	6.7E-08	6.7E-02	
151	0.46613	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.38E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
152	0.44893	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.33E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
153	0.42522	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.26E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
154	0.41014	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.22E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
155	0.38155	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.13E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
156	0.36852	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
157	0.35304	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.05E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
158	0.34146	2.8E-03	9.7E-04	1090	1	0.96	1E-06	1.01E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
159	0.3294	2.8E-03	9.4E-04	1090	1	0.96	1E-06	9.78E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
160	0.31902	2.8E-03	9.1E-04	1090	1	0.96	1E-06	9.48E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
161	0.30813	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.15E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
162	0.29879	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.88E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
163	0.28899	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.58E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
164	0.28054	2.8E-03	8.0E-04	1090	1	0.96	1E-06	8.33E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
165	0.27199	2.8E-03	7.7E-04	1090	1	0.96	1E-06	8.08E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
166	0.26403	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.84E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
167	0.25593	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.60E-07	1.1	10	0.96	70	0.85	9.8E-08	9.8E-02	
168	0.24903	2.8E-03	7.1E-04	1090	1	0.96	1E-06	7.40E-07	1.1	10	0.96	70	0.85	9.5E-08	9.5E-02	
169	0.24195	2.8E-03	6.9E-04	1090	1	0.96	1E-06	7.19E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
170	0.23465	2.8E-03	6.7E-04	1090	1	0.96	1E-06	6.97E-07	1.1	10	0.96	70	0.85	9.0E-08	9.0E-02	
171	0.22737	2.8E-03	6.5E-04	1090	1	0.96	1E-06	6.75E-07	1.1	10	0.96	70	0.85	8.7E-08	8.7E-02	
172	0.22157	2.8E-03	6.3E-04	1090	1	0.96	1E-06	6.58E-07	1.1	10	0.96	70	0.85	8.5E-08	8.5E-02	
173	0.21477	2.8E-03	6.1E-04	1090	1	0.96	1E-06	6.38E-07	1.1	10	0.96	70	0.85	8.2E-08	8.2E-02	
174	0.20877	2.8E-03	5.9E-04	1090	1	0.96	1E-06	6.20E-07	1.1	10	0.96	70	0.85	8.0E-08	8.0E-02	
175	0.20315	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.03E-07	1.1	10	0.96	70	0.85	7.8E-08	7.8E-02	
176	0.1972	2.8E-03	5.6E-04	1090	1	0.96	1E-06	5.86E-07	1.1	10	0.96	70	0.85	7.5E-08	7.5E-02	
177	0.19181	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.70E-07	1.1	10	0.96	70	0.85	7.3E-08	7.3E-02	
178	0.18707	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.56E-07	1.1	10	0.96	70	0.85	7.1E-08	7.1E-02	
179	0.18189	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.40E-07	1.1	10	0.96	70	0.85	6.9E-08	6.9E-02	
180	0.17692	2.8E-03	5.0E-04	1090	1	0.96	1E-06	5.26E-07	1.1	10	0.96	70	0.85	6.8E-08	6.8E-02	
181	0.47032	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.40E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
182	0.4528	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.34E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
183	0.4293	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.28E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
184	0.41322	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.23E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
185	0.38406	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.14E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
186	0.37087	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.10E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
187	0.35541	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
188	0.34346	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.02E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
189	0.33125	2.8E-03	9.4E-04	1090	1	0.96	1E-06	9.84E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
190	0.32076	2.8E-03	9.1E-04	1090	1	0.96	1E-06	9.53E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
191	0.30975	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.20E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
192	0.30031	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.92E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
193	0.29069	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.63E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
194	0.28189	2.8E-03	8.0E-04	1090	1	0.96	1E-06	8.37E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
195	0.27377	2.8E-03	7.8E-04	1090	1	0.96	1E-06	8.13E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
196	0.2652	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.88E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
197	0.25791	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.66E-07	1.1	10	0.96	70	0.85	9.9E-08	9.9E-02	
198	0.25012	2.8E-03	7.1E-04	1090	1	0.96	1E-06	7.43E-07	1.1	10	0.96	70	0.85	9.6E-08	9.6E-02	
199	0.24292	2.8E-03	6.9E-04	1090	1	0.96	1E-06	7.22E-07	1.1	10	0.96	70	0.85	9.3E-08	9.3E-02	
200	0.23555	2.8E-03	6.7E-04	1090	1	0.96	1E-06	7.00E-07	1.1	10	0.96	70	0.85	9.0E-08	9.0E-02	
201	0.2102	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.24E-07	1.1	10	0.96	70	0.85	8.0E-08	8.0E-02	
202	0.20383	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.05E-07	1.1	10	0.96	70	0.85	7.8E-08	7.8E-02	
203	0.19812	2.8E-03	5.6E-04	1090	1	0.96	1E-06	5.88E-07	1.1	10	0.96	70	0.85	7.6E-08	7.6E-02	
204	0.19315	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.74E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
205	0.18762	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.57E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
206	0.1824	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.42E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
207	0.17739	2.8E-03	5.0E-04	1090	1	0.96	1E-06	5.27E-07	1.1	10	0.96	70	0.85	6.8E-08	6.8E-02	
208	0.47425	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.41E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
209	0.45643	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.36E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
210	0.43332	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.29E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
211	0.41613	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.24E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
212	0.38645	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.15E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
213	0.37305	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.11E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
214	0.35719	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
215	0.34535	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.03E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
216	0.33301	2.8E-03	9.5E-04	1090	1	0.96	1E-06	9.89E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
217	0.3224	2.8E-03	9.2E-04	1090	1	0.96	1E-06	9.58E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
218	0.31206	2.8E-03	8.9E-04	1090	1	0.96	1E-06	9.27E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
219	0.30179	2.8E-03	8.6E-04	1090	1	0.96	1E-06	8.96E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
220	0.29269	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.69E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
221	0.28379	2.8E-03	8.1E-04	1090	1	0.96	1E-06	8.43E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
222	0.27496	2.8E-03	7.8E-04	1090	1	0.96	1E-06	8.17E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
223	0.26717	2.8E-03	7.6E-04	1090	1	0.96	1E-06	7.94E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
224	0.25894	2.8E-03	7.4E-04	1090	1	0.96	1E-06	7.69E-07	1.1	10	0.96	70	0.85	9.9E-08	9.9E-02	
225	0.25111	2.8E-03	7.1E-04	1090	1	0.96	1E-06	7.46E-07	1.1	10	0.96	70	0.85	9.6E-08	9.6E-02	
226	0.24386	2.8E-03	6.9E-04	1090	1	0.96	1E-06	7.24E-07	1.1	10	0.96	70	0.85	9.3E-08	9.3E-02	
227	0.23646	2.8E-03	6.7E-04	1090	1	0.96	1E-06	7.02E-07	1.1	10	0.96	70	0.85	9.0E-08	9.0E-02	
228	0.21086	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.26E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
229	0.20444	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.07E-07	1.1	10	0.96	70	0.85	7.8E-08	7.8E-02	
230	0.19951	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.93E-07	1.1	10	0.96	70	0.85	7.6E-08	7.6E-02	
231	0.19369	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.75E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
232	0.18812	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.59E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
233	0.18286	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.43E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
234	0.17844	2.8E-03	5.1E-04	1090	1	0.96	1E-06	5.30E-07	1.1	10	0.96	70	0.85	6.8E-08	6.8E-02	
235	3.2378	2.8E-03	9.2E-03	1090	1	0.96	1E-06	9.62E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
236	3.56678	2.8E-03	1.0E-02	1090	1	0.96	1E-06	1.06E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
237	3.93071	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.17E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
238	4.32763	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.29E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
239	4.75431	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.41E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
240	5.20352	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.55E-05	1.1	10	0.96	70	0.85	2.0E-06	2.0E+00	
241	7.18756	2.8E-03	2.0E-02	1090	1	0.96	1E-06	2.13E-05	1.1	10	0.96	70	0.85	2.7E-06	2.7E+00	
242	6.78311	2.8E-03	1.9E-02	1090	1	0.96	1E-06	2.01E-05	1.1	10	0.96	70	0.85	2.6E-06	2.6E+00	
243	6.52431	2.8E-03	1.9E-02	1090	1	0.96	1E-06	1.94E-05	1.1	10	0.96	70	0.85	2.5E-06	2.5E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
244	6.1653	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.83E-05	1.1	10	0.96	70	0.85	2.4E-06	2.4E+00	
245	5.02479	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.49E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
246	4.45555	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.32E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
247	3.94193	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.17E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
248	3.4964	2.8E-03	9.9E-03	1090	1	0.96	1E-06	1.04E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
249	3.11423	2.8E-03	8.9E-03	1090	1	0.96	1E-06	9.25E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
250	2.78897	2.8E-03	7.9E-03	1090	1	0.96	1E-06	8.28E-06	1.1	10	0.96	70	0.85	1.1E-06	1.1E+00	
251	2.50993	2.8E-03	7.1E-03	1090	1	0.96	1E-06	7.46E-06	1.1	10	0.96	70	0.85	9.6E-07	9.6E-01	
252	2.27109	2.8E-03	6.5E-03	1090	1	0.96	1E-06	6.75E-06	1.1	10	0.96	70	0.85	8.7E-07	8.7E-01	
253	0.37516	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.11E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
254	0.35908	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.07E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
255	0.26818	2.8E-03	7.6E-04	1090	1	0.96	1E-06	7.97E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
256	0.25985	2.8E-03	7.4E-04	1090	1	0.96	1E-06	7.72E-07	1.1	10	0.96	70	0.85	9.9E-08	9.9E-02	
257	0.25261	2.8E-03	7.2E-04	1090	1	0.96	1E-06	7.50E-07	1.1	10	0.96	70	0.85	9.7E-08	9.7E-02	
258	0.24505	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.28E-07	1.1	10	0.96	70	0.85	9.4E-08	9.4E-02	
259	0.23751	2.8E-03	6.7E-04	1090	1	0.96	1E-06	7.05E-07	1.1	10	0.96	70	0.85	9.1E-08	9.1E-02	
260	0.23117	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.87E-07	1.1	10	0.96	70	0.85	8.8E-08	8.8E-02	
261	0.22396	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.65E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
262	0.21823	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.48E-07	1.1	10	0.96	70	0.85	8.3E-08	8.3E-02	
263	3.51616	2.8E-03	1.0E-02	1090	1	0.96	1E-06	1.04E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
264	3.91702	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.16E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
265	4.37067	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.30E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
266	4.87851	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.45E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
267	5.43895	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.62E-05	1.1	10	0.96	70	0.85	2.1E-06	2.1E+00	
268	6.04496	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.80E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
269	8.32796	2.8E-03	2.4E-02	1090	1	0.96	1E-06	2.47E-05	1.1	10	0.96	70	0.85	3.2E-06	3.2E+00	
270	7.93708	2.8E-03	2.3E-02	1090	1	0.96	1E-06	2.36E-05	1.1	10	0.96	70	0.85	3.0E-06	3.0E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
271	6.93232	2.8E-03	2.0E-02	1090	1	0.96	1E-06	2.06E-05	1.1	10	0.96	70	0.85	2.6E-06	2.6E+00	
272	5.66407	2.8E-03	1.6E-02	1090	1	0.96	1E-06	1.68E-05	1.1	10	0.96	70	0.85	2.2E-06	2.2E+00	
273	4.81274	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.43E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
274	4.20452	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.25E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
275	3.71115	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.10E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
276	3.26578	2.8E-03	9.3E-03	1090	1	0.96	1E-06	9.70E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
277	2.91008	2.8E-03	8.3E-03	1090	1	0.96	1E-06	8.64E-06	1.1	10	0.96	70	0.85	1.1E-06	1.1E+00	
278	2.60823	2.8E-03	7.4E-03	1090	1	0.96	1E-06	7.75E-06	1.1	10	0.96	70	0.85	1.0E-06	1.0E+00	
279	2.35235	2.8E-03	6.7E-03	1090	1	0.96	1E-06	6.99E-06	1.1	10	0.96	70	0.85	9.0E-07	9.0E-01	
280	0.37706	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.12E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
281	0.36308	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.08E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
282	0.26908	2.8E-03	7.6E-04	1090	1	0.96	1E-06	7.99E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
283	0.26147	2.8E-03	7.4E-04	1090	1	0.96	1E-06	7.77E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
284	0.25341	2.8E-03	7.2E-04	1090	1	0.96	1E-06	7.53E-07	1.1	10	0.96	70	0.85	9.7E-08	9.7E-02	
285	0.24607	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.31E-07	1.1	10	0.96	70	0.85	9.4E-08	9.4E-02	
286	0.23854	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.09E-07	1.1	10	0.96	70	0.85	9.1E-08	9.1E-02	
287	0.23188	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.89E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
288	0.22462	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.67E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
289	0.21881	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.50E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
290	3.80744	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.13E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
291	4.29391	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.28E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
292	4.8594	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.44E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
293	5.51364	2.8E-03	1.6E-02	1090	1	0.96	1E-06	1.64E-05	1.1	10	0.96	70	0.85	2.1E-06	2.1E+00	
294	6.25802	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.86E-05	1.1	10	0.96	70	0.85	2.4E-06	2.4E+00	
295	7.09277	2.8E-03	2.0E-02	1090	1	0.96	1E-06	2.11E-05	1.1	10	0.96	70	0.85	2.7E-06	2.7E+00	
296	9.45037	2.8E-03	2.7E-02	1090	1	0.96	1E-06	2.81E-05	1.1	10	0.96	70	0.85	3.6E-06	3.6E+00	
297	9.03324	2.8E-03	2.6E-02	1090	1	0.96	1E-06	2.68E-05	1.1	10	0.96	70	0.85	3.5E-06	3.5E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
298	7.56693	2.8E-03	2.2E-02	1090	1	0.96	1E-06	2.25E-05	1.1	10	0.96	70	0.85	2.9E-06	2.9E+00	
299	6.03607	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.79E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
300	5.17619	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.54E-05	1.1	10	0.96	70	0.85	2.0E-06	2.0E+00	
301	4.47039	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.33E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
302	3.82768	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.14E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
303	3.41561	2.8E-03	9.7E-03	1090	1	0.96	1E-06	1.01E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
304	3.03098	2.8E-03	8.6E-03	1090	1	0.96	1E-06	9.00E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
305	2.70667	2.8E-03	7.7E-03	1090	1	0.96	1E-06	8.04E-06	1.1	10	0.96	70	0.85	1.0E-06	1.0E+00	
306	2.43199	2.8E-03	6.9E-03	1090	1	0.96	1E-06	7.22E-06	1.1	10	0.96	70	0.85	9.3E-07	9.3E-01	
307	0.59861	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.78E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
308	0.57247	2.8E-03	1.6E-03	1090	1	0.96	1E-06	1.70E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
309	0.37876	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.13E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
310	0.36574	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
311	0.2699	2.8E-03	7.7E-04	1090	1	0.96	1E-06	8.02E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
312	0.26221	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.79E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
313	0.2541	2.8E-03	7.2E-04	1090	1	0.96	1E-06	7.55E-07	1.1	10	0.96	70	0.85	9.7E-08	9.7E-02	
314	0.24701	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.34E-07	1.1	10	0.96	70	0.85	9.4E-08	9.4E-02	
315	0.23951	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.11E-07	1.1	10	0.96	70	0.85	9.1E-08	9.1E-02	
316	0.23251	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.91E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
317	0.22579	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.71E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
318	0.21931	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.51E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
319	4.10227	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.22E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
320	4.68612	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.39E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
321	5.38718	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.60E-05	1.1	10	0.96	70	0.85	2.1E-06	2.1E+00	
322	6.22589	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.85E-05	1.1	10	0.96	70	0.85	2.4E-06	2.4E+00	
323	7.22518	2.8E-03	2.1E-02	1090	1	0.96	1E-06	2.15E-05	1.1	10	0.96	70	0.85	2.8E-06	2.8E+00	
324	8.39251	2.8E-03	2.4E-02	1090	1	0.96	1E-06	2.49E-05	1.1	10	0.96	70	0.85	3.2E-06	3.2E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
325	11.24404	2.8E-03	3.2E-02	1090	1	0.96	1E-06	3.34E-05	1.1	10	0.96	70	0.85	4.3E-06	4.3E+00	
326	9.41497	2.8E-03	2.7E-02	1090	1	0.96	1E-06	2.80E-05	1.1	10	0.96	70	0.85	3.6E-06	3.6E+00	
327	7.95533	2.8E-03	2.3E-02	1090	1	0.96	1E-06	2.36E-05	1.1	10	0.96	70	0.85	3.0E-06	3.0E+00	
328	6.55031	2.8E-03	1.9E-02	1090	1	0.96	1E-06	1.95E-05	1.1	10	0.96	70	0.85	2.5E-06	2.5E+00	
329	5.54279	2.8E-03	1.6E-02	1090	1	0.96	1E-06	1.65E-05	1.1	10	0.96	70	0.85	2.1E-06	2.1E+00	
330	4.73155	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.41E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
331	4.08865	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.21E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
332	3.54644	2.8E-03	1.0E-02	1090	1	0.96	1E-06	1.05E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
333	3.14983	2.8E-03	9.0E-03	1090	1	0.96	1E-06	9.36E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
334	2.80229	2.8E-03	8.0E-03	1090	1	0.96	1E-06	8.32E-06	1.1	10	0.96	70	0.85	1.1E-06	1.1E+00	
335	2.50957	2.8E-03	7.1E-03	1090	1	0.96	1E-06	7.45E-06	1.1	10	0.96	70	0.85	9.6E-07	9.6E-01	
336	0.60282	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.79E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
337	0.57629	2.8E-03	1.6E-03	1090	1	0.96	1E-06	1.71E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
338	0.39562	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.18E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
339	0.36811	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
340	0.22619	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.72E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
341	0.21972	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.53E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
342	4.38948	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.30E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
343	5.07919	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.51E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
344	5.93393	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.76E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
345	7.00004	2.8E-03	2.0E-02	1090	1	0.96	1E-06	2.08E-05	1.1	10	0.96	70	0.85	2.7E-06	2.7E+00	
346	8.33258	2.8E-03	2.4E-02	1090	1	0.96	1E-06	2.48E-05	1.1	10	0.96	70	0.85	3.2E-06	3.2E+00	
347	9.98221	2.8E-03	2.8E-02	1090	1	0.96	1E-06	2.97E-05	1.1	10	0.96	70	0.85	3.8E-06	3.8E+00	
348	16.41979	2.8E-03	4.7E-02	1090	1	0.96	1E-06	4.88E-05	1.1	10	0.96	70	0.85	6.3E-06	6.3E+00	
349	13.35444	2.8E-03	3.8E-02	1090	1	0.96	1E-06	3.97E-05	1.1	10	0.96	70	0.85	5.1E-06	5.1E+00	
350	10.71305	2.8E-03	3.0E-02	1090	1	0.96	1E-06	3.18E-05	1.1	10	0.96	70	0.85	4.1E-06	4.1E+00	
351	8.63697	2.8E-03	2.5E-02	1090	1	0.96	1E-06	2.57E-05	1.1	10	0.96	70	0.85	3.3E-06	3.3E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
352	7.07617	2.8E-03	2.0E-02	1090	1	0.96	1E-06	2.10E-05	1.1	10	0.96	70	0.85	2.7E-06	2.7E+00	
353	5.90158	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.75E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
354	4.99146	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.48E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
355	4.28147	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.27E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
356	3.49301	2.8E-03	9.9E-03	1090	1	0.96	1E-06	1.04E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
357	3.25845	2.8E-03	9.3E-03	1090	1	0.96	1E-06	9.68E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
358	2.8918	2.8E-03	8.2E-03	1090	1	0.96	1E-06	8.59E-06	1.1	10	0.96	70	0.85	1.1E-06	1.1E+00	
359	2.58205	2.8E-03	7.3E-03	1090	1	0.96	1E-06	7.67E-06	1.1	10	0.96	70	0.85	9.9E-07	9.9E-01	
360	0.82003	2.8E-03	2.3E-03	1090	1	0.96	1E-06	2.44E-06	1.1	10	0.96	70	0.85	3.1E-07	3.1E-01	
361	0.77668	2.8E-03	2.2E-03	1090	1	0.96	1E-06	2.31E-06	1.1	10	0.96	70	0.85	3.0E-07	3.0E-01	
362	0.60644	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.80E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
363	0.57957	2.8E-03	1.6E-03	1090	1	0.96	1E-06	1.72E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
364	0.39703	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.18E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
365	0.38325	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.14E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
366	0.30916	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.18E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
367	0.29965	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.90E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
368	0.28967	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.60E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
369	0.22588	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.71E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
370	0.21955	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.52E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
371	0.21303	2.8E-03	6.1E-04	1090	1	0.96	1E-06	6.33E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
372	0.20642	2.8E-03	5.9E-04	1090	1	0.96	1E-06	6.13E-07	1.1	10	0.96	70	0.85	7.9E-08	7.9E-02	
373	0.20016	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.95E-07	1.1	10	0.96	70	0.85	7.6E-08	7.6E-02	
374	0.19497	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.79E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
375	0.1896	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.63E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
376	0.18417	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.47E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
377	0.17987	2.8E-03	5.1E-04	1090	1	0.96	1E-06	5.34E-07	1.1	10	0.96	70	0.85	6.9E-08	6.9E-02	
378	4.65465	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.38E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
379	5.45181	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.62E-05	1.1	10	0.96	70	0.85	2.1E-06	2.1E+00	
380	6.4725	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.92E-05	1.1	10	0.96	70	0.85	2.5E-06	2.5E+00	
381	7.7976	2.8E-03	2.2E-02	1090	1	0.96	1E-06	2.32E-05	1.1	10	0.96	70	0.85	3.0E-06	3.0E+00	
382	9.54266	2.8E-03	2.7E-02	1090	1	0.96	1E-06	2.83E-05	1.1	10	0.96	70	0.85	3.6E-06	3.6E+00	
383	11.85967	2.8E-03	3.4E-02	1090	1	0.96	1E-06	3.52E-05	1.1	10	0.96	70	0.85	4.5E-06	4.5E+00	
384	20.67767	2.8E-03	5.9E-02	1090	1	0.96	1E-06	6.14E-05	1.1	10	0.96	70	0.85	7.9E-06	7.9E+00	
385	15.7051	2.8E-03	4.5E-02	1090	1	0.96	1E-06	4.66E-05	1.1	10	0.96	70	0.85	6.0E-06	6.0E+00	
386	12.04277	2.8E-03	3.4E-02	1090	1	0.96	1E-06	3.58E-05	1.1	10	0.96	70	0.85	4.6E-06	4.6E+00	
387	9.433	2.8E-03	2.7E-02	1090	1	0.96	1E-06	2.80E-05	1.1	10	0.96	70	0.85	3.6E-06	3.6E+00	
388	7.5909	2.8E-03	2.2E-02	1090	1	0.96	1E-06	2.25E-05	1.1	10	0.96	70	0.85	2.9E-06	2.9E+00	
389	6.24334	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.85E-05	1.1	10	0.96	70	0.85	2.4E-06	2.4E+00	
390	5.23551	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.56E-05	1.1	10	0.96	70	0.85	2.0E-06	2.0E+00	
391	4.46134	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.33E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
392	3.85329	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.14E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
393	3.36716	2.8E-03	9.6E-03	1090	1	0.96	1E-06	1.00E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
394	2.97404	2.8E-03	8.5E-03	1090	1	0.96	1E-06	8.83E-06	1.1	10	0.96	70	0.85	1.1E-06	1.1E+00	
395	2.64726	2.8E-03	7.5E-03	1090	1	0.96	1E-06	7.86E-06	1.1	10	0.96	70	0.85	1.0E-06	1.0E+00	
396	0.8258	2.8E-03	2.3E-03	1090	1	0.96	1E-06	2.45E-06	1.1	10	0.96	70	0.85	3.2E-07	3.2E-01	
397	0.78181	2.8E-03	2.2E-03	1090	1	0.96	1E-06	2.32E-06	1.1	10	0.96	70	0.85	3.0E-07	3.0E-01	
398	0.60943	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.81E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
399	0.5823	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.73E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
400	0.40024	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.19E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
401	0.38431	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.14E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
402	0.30975	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.20E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
403	0.30016	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.92E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
404	0.29018	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.62E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
405	0.22607	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.72E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
406	0.21879	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.50E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
407	0.2121	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.30E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
408	0.20652	2.8E-03	5.9E-04	1090	1	0.96	1E-06	6.13E-07	1.1	10	0.96	70	0.85	7.9E-08	7.9E-02	
409	0.20028	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.95E-07	1.1	10	0.96	70	0.85	7.7E-08	7.7E-02	
410	0.19432	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.77E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
411	0.18967	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.63E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
412	0.18422	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.47E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
413	0.17991	2.8E-03	5.1E-04	1090	1	0.96	1E-06	5.34E-07	1.1	10	0.96	70	0.85	6.9E-08	6.9E-02	
414	4.88004	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.45E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
415	5.77641	2.8E-03	1.6E-02	1090	1	0.96	1E-06	1.72E-05	1.1	10	0.96	70	0.85	2.2E-06	2.2E+00	
416	6.95567	2.8E-03	2.0E-02	1090	1	0.96	1E-06	2.07E-05	1.1	10	0.96	70	0.85	2.7E-06	2.7E+00	
417	8.54735	2.8E-03	2.4E-02	1090	1	0.96	1E-06	2.54E-05	1.1	10	0.96	70	0.85	3.3E-06	3.3E+00	
418	10.75591	2.8E-03	3.1E-02	1090	1	0.96	1E-06	3.19E-05	1.1	10	0.96	70	0.85	4.1E-06	4.1E+00	
419	13.9119	2.8E-03	4.0E-02	1090	1	0.96	1E-06	4.13E-05	1.1	10	0.96	70	0.85	5.3E-06	5.3E+00	
420	50.39874	2.8E-03	1.4E-01	1090	1	0.96	1E-06	1.50E-04	1.1	10	0.96	70	0.85	1.9E-05	1.9E+01	
421	37.21175	2.8E-03	1.1E-01	1090	1	0.96	1E-06	1.11E-04	1.1	10	0.96	70	0.85	1.4E-05	1.4E+01	
422	25.751	2.8E-03	7.3E-02	1090	1	0.96	1E-06	7.65E-05	1.1	10	0.96	70	0.85	9.8E-06	9.8E+00	
423	18.13782	2.8E-03	5.2E-02	1090	1	0.96	1E-06	5.39E-05	1.1	10	0.96	70	0.85	6.9E-06	6.9E+00	
424	13.32213	2.8E-03	3.8E-02	1090	1	0.96	1E-06	3.96E-05	1.1	10	0.96	70	0.85	5.1E-06	5.1E+00	
425	10.17377	2.8E-03	2.9E-02	1090	1	0.96	1E-06	3.02E-05	1.1	10	0.96	70	0.85	3.9E-06	3.9E+00	
426	8.06102	2.8E-03	2.3E-02	1090	1	0.96	1E-06	2.39E-05	1.1	10	0.96	70	0.85	3.1E-06	3.1E+00	
427	6.55537	2.8E-03	1.9E-02	1090	1	0.96	1E-06	1.95E-05	1.1	10	0.96	70	0.85	2.5E-06	2.5E+00	
428	5.45596	2.8E-03	1.6E-02	1090	1	0.96	1E-06	1.62E-05	1.1	10	0.96	70	0.85	2.1E-06	2.1E+00	
429	4.62081	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.37E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
430	3.97181	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.18E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
431	3.45763	2.8E-03	9.8E-03	1090	1	0.96	1E-06	1.03E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
432	3.04198	2.8E-03	8.6E-03	1090	1	0.96	1E-06	9.04E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
433	2.70153	2.8E-03	7.7E-03	1090	1	0.96	1E-06	8.02E-06	1.1	10	0.96	70	0.85	1.0E-06	1.0E+00	
434	0.83032	2.8E-03	2.4E-03	1090	1	0.96	1E-06	2.47E-06	1.1	10	0.96	70	0.85	3.2E-07	3.2E-01	
435	0.78585	2.8E-03	2.2E-03	1090	1	0.96	1E-06	2.33E-06	1.1	10	0.96	70	0.85	3.0E-07	3.0E-01	
436	0.64127	2.8E-03	1.8E-03	1090	1	0.96	1E-06	1.90E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
437	0.61176	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.82E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
438	0.58443	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.74E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
439	0.407	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.21E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
440	0.38511	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.14E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
441	0.31016	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.21E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
442	0.30005	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.91E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
443	0.29052	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.63E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
444	0.28097	2.8E-03	8.0E-04	1090	1	0.96	1E-06	8.35E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
445	0.27274	2.8E-03	7.8E-04	1090	1	0.96	1E-06	8.10E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
446	0.26401	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.84E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
447	0.2571	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.64E-07	1.1	10	0.96	70	0.85	9.8E-08	9.8E-02	
448	0.24751	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.35E-07	1.1	10	0.96	70	0.85	9.5E-08	9.5E-02	
449	0.24031	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.14E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
450	0.23308	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.92E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
451	0.2262	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.72E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
452	0.21889	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.50E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
453	0.2119	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.29E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
454	0.20559	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.11E-07	1.1	10	0.96	70	0.85	7.9E-08	7.9E-02	
455	0.20031	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.95E-07	1.1	10	0.96	70	0.85	7.7E-08	7.7E-02	
456	0.19429	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.77E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
457	0.18967	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.63E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
458	0.1842	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.47E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
459	0.17941	2.8E-03	5.1E-04	1090	1	0.96	1E-06	5.33E-07	1.1	10	0.96	70	0.85	6.9E-08	6.9E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
460	5.04719	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.50E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
461	6.0267	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.79E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
462	7.34	2.8E-03	2.1E-02	1090	1	0.96	1E-06	2.18E-05	1.1	10	0.96	70	0.85	2.8E-06	2.8E+00	
463	9.1656	2.8E-03	2.6E-02	1090	1	0.96	1E-06	2.72E-05	1.1	10	0.96	70	0.85	3.5E-06	3.5E+00	
464	11.80608	2.8E-03	3.4E-02	1090	1	0.96	1E-06	3.51E-05	1.1	10	0.96	70	0.85	4.5E-06	4.5E+00	
465	15.84495	2.8E-03	4.5E-02	1090	1	0.96	1E-06	4.71E-05	1.1	10	0.96	70	0.85	6.1E-06	6.1E+00	
466	93.27452	2.8E-03	2.7E-01	1090	1	0.96	1E-06	2.77E-04	1.1	10	0.96	70	0.85	3.6E-05	3.6E+01	
467	51.92531	2.8E-03	1.5E-01	1090	1	0.96	1E-06	1.54E-04	1.1	10	0.96	70	0.85	2.0E-05	2.0E+01	
468	30.99081	2.8E-03	8.8E-02	1090	1	0.96	1E-06	9.21E-05	1.1	10	0.96	70	0.85	1.2E-05	1.2E+01	
469	20.35874	2.8E-03	5.8E-02	1090	1	0.96	1E-06	6.05E-05	1.1	10	0.96	70	0.85	7.8E-06	7.8E+00	
470	14.43183	2.8E-03	4.1E-02	1090	1	0.96	1E-06	4.29E-05	1.1	10	0.96	70	0.85	5.5E-06	5.5E+00	
471	10.80802	2.8E-03	3.1E-02	1090	1	0.96	1E-06	3.21E-05	1.1	10	0.96	70	0.85	4.1E-06	4.1E+00	
472	8.45272	2.8E-03	2.4E-02	1090	1	0.96	1E-06	2.51E-05	1.1	10	0.96	70	0.85	3.2E-06	3.2E+00	
473	6.81475	2.8E-03	1.9E-02	1090	1	0.96	1E-06	2.02E-05	1.1	10	0.96	70	0.85	2.6E-06	2.6E+00	
474	5.63183	2.8E-03	1.6E-02	1090	1	0.96	1E-06	1.67E-05	1.1	10	0.96	70	0.85	2.2E-06	2.2E+00	
475	4.74674	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.41E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
476	4.06396	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.21E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
477	3.52662	2.8E-03	1.0E-02	1090	1	0.96	1E-06	1.05E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
478	3.09474	2.8E-03	8.8E-03	1090	1	0.96	1E-06	9.19E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
479	2.74244	2.8E-03	7.8E-03	1090	1	0.96	1E-06	8.15E-06	1.1	10	0.96	70	0.85	1.0E-06	1.0E+00	
480	0.64308	2.8E-03	1.8E-03	1090	1	0.96	1E-06	1.91E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
481	0.61339	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.82E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
482	0.5859	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.74E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
483	0.3104	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.22E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
484	0.30026	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.92E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
485	0.29071	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.64E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
486	0.28113	2.8E-03	8.0E-04	1090	1	0.96	1E-06	8.35E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
487	0.27289	2.8E-03	7.8E-04	1090	1	0.96	1E-06	8.11E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
488	0.2642	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.85E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
489	0.25717	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.64E-07	1.1	10	0.96	70	0.85	9.8E-08	9.8E-02	
490	0.24771	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.36E-07	1.1	10	0.96	70	0.85	9.5E-08	9.5E-02	
491	0.24033	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.14E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
492	0.23248	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.91E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
493	0.2254	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.70E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
494	0.21889	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.50E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
495	0.21187	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.29E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
496	0.20529	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.10E-07	1.1	10	0.96	70	0.85	7.8E-08	7.8E-02	
497	0.20026	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.95E-07	1.1	10	0.96	70	0.85	7.7E-08	7.7E-02	
498	0.19422	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.77E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
499	0.1896	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.63E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
500	0.18411	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.47E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
501	0.17957	2.8E-03	5.1E-04	1090	1	0.96	1E-06	5.33E-07	1.1	10	0.96	70	0.85	6.9E-08	6.9E-02	
502	5.14418	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.53E-05	1.1	10	0.96	70	0.85	2.0E-06	2.0E+00	
503	6.17411	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.83E-05	1.1	10	0.96	70	0.85	2.4E-06	2.4E+00	
504	0.67623	2.8E-03	1.9E-03	1090	1	0.96	1E-06	2.01E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
505	0.64408	2.8E-03	1.8E-03	1090	1	0.96	1E-06	1.91E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
506	0.61429	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.82E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
507	0.58672	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.74E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
508	0.56106	2.8E-03	1.6E-03	1090	1	0.96	1E-06	1.67E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
509	0.29074	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.64E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
510	5.10292	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.52E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
511	6.20185	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.84E-05	1.1	10	0.96	70	0.85	2.4E-06	2.4E+00	
512	0.67644	2.8E-03	1.9E-03	1090	1	0.96	1E-06	2.01E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
513	0.64426	2.8E-03	1.8E-03	1090	1	0.96	1E-06	1.91E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
514	0.61445	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.83E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
515	0.58687	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.74E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
516	0.56121	2.8E-03	1.6E-03	1090	1	0.96	1E-06	1.67E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
517	0.2906	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.63E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
518	4.80074	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.43E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
519	6.10635	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.81E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
520	0.64361	2.8E-03	1.8E-03	1090	1	0.96	1E-06	1.91E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
521	0.61389	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.82E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
522	0.58634	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.74E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
523	0.56075	2.8E-03	1.6E-03	1090	1	0.96	1E-06	1.67E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
524	0.29031	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.62E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
525	4.45472	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.32E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
526	5.47601	2.8E-03	1.6E-02	1090	1	0.96	1E-06	1.63E-05	1.1	10	0.96	70	0.85	2.1E-06	2.1E+00	
527	0.28987	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.61E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
528	0.37887	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.13E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
529	0.35874	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.07E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
530	0.34622	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.03E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
531	0.32205	2.8E-03	9.2E-04	1090	1	0.96	1E-06	9.57E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
532	0.30937	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.19E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
533	0.29937	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.89E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
534	0.28929	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.59E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
535	0.3779	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.12E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
536	0.35781	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
537	0.34614	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.03E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
538	0.3212	2.8E-03	9.1E-04	1090	1	0.96	1E-06	9.54E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
539	0.30856	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.17E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
540	0.29862	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.87E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
541	0.28857	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.57E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
542	0.37667	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.12E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
543	0.35665	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
544	0.34507	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.02E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
545	0.32018	2.8E-03	9.1E-04	1090	1	0.96	1E-06	9.51E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
546	0.31013	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.21E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
547	0.29772	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.84E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
548	0.2879	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.55E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
549	0.3752	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.11E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
550	0.35727	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
551	0.34379	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.02E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
552	0.319	2.8E-03	9.1E-04	1090	1	0.96	1E-06	9.48E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
553	0.3091	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.18E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
554	0.29669	2.8E-03	8.4E-04	1090	1	0.96	1E-06	8.81E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
555	0.28782	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.55E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
556	0.537	2.8E-03	1.5E-03	1090	1	0.96	1E-06	1.60E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
557	0.51479	2.8E-03	1.5E-03	1090	1	0.96	1E-06	1.53E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	
558	0.53588	2.8E-03	1.5E-03	1090	1	0.96	1E-06	1.59E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	
559	0.5138	2.8E-03	1.5E-03	1090	1	0.96	1E-06	1.53E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
1	1.26E-03	5	2.51E-04	5.30E-02
2	1.20E-03	5	2.39E-04	
3	1.12E-03	5	2.24E-04	
4	1.08E-03	5	2.16E-04	
5	1.04E-03	5	2.07E-04	
6	1.00E-03	5	2.01E-04	
7	9.67E-04	5	1.93E-04	
8	9.36E-04	5	1.87E-04	
9	9.04E-04	5	1.81E-04	
10	8.77E-04	5	1.75E-04	
11	8.48E-04	5	1.70E-04	
12	8.24E-04	5	1.65E-04	
13	7.99E-04	5	1.60E-04	
14	7.74E-04	5	1.55E-04	
15	7.52E-04	5	1.50E-04	
16	7.29E-04	5	1.46E-04	
17	7.07E-04	5	1.41E-04	
18	6.87E-04	5	1.37E-04	
19	6.69E-04	5	1.34E-04	
20	6.48E-04	5	1.30E-04	
21	6.28E-04	5	1.26E-04	
22	6.13E-04	5	1.23E-04	
23	5.94E-04	5	1.19E-04	
24	5.78E-04	5	1.16E-04	
25	5.63E-04	5	1.13E-04	
26	5.47E-04	5	1.09E-04	
27	5.32E-04	5	1.06E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
28	5.17E-04	5	1.03E-04	
29	5.06E-04	5	1.01E-04	
30	4.92E-04	5	9.84E-05	
31	1.27E-03	5	2.54E-04	
32	1.21E-03	5	2.42E-04	
33	1.13E-03	5	2.26E-04	
34	1.09E-03	5	2.18E-04	
35	1.05E-03	5	2.09E-04	
36	1.01E-03	5	2.02E-04	
37	9.74E-04	5	1.95E-04	
38	9.43E-04	5	1.89E-04	
39	9.11E-04	5	1.82E-04	
40	8.82E-04	5	1.76E-04	
41	8.53E-04	5	1.71E-04	
42	8.30E-04	5	1.66E-04	
43	8.03E-04	5	1.61E-04	
44	7.80E-04	5	1.56E-04	
45	7.56E-04	5	1.51E-04	
46	7.35E-04	5	1.47E-04	
47	7.12E-04	5	1.42E-04	
48	6.92E-04	5	1.38E-04	
49	6.72E-04	5	1.34E-04	
50	6.51E-04	5	1.30E-04	
51	6.34E-04	5	1.27E-04	
52	6.15E-04	5	1.23E-04	
53	5.97E-04	5	1.19E-04	
54	5.81E-04	5	1.16E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
55	5.65E-04	5	1.13E-04	
56	5.49E-04	5	1.10E-04	
57	5.34E-04	5	1.07E-04	
58	5.21E-04	5	1.04E-04	
59	5.08E-04	5	1.02E-04	
60	4.94E-04	5	9.88E-05	
61	1.29E-03	5	2.57E-04	
62	1.22E-03	5	2.44E-04	
63	1.14E-03	5	2.29E-04	
64	1.10E-03	5	2.20E-04	
65	1.05E-03	5	2.11E-04	
66	1.02E-03	5	2.03E-04	
67	9.83E-04	5	1.97E-04	
68	9.49E-04	5	1.90E-04	
69	9.19E-04	5	1.84E-04	
70	8.88E-04	5	1.78E-04	
71	8.61E-04	5	1.72E-04	
72	8.35E-04	5	1.67E-04	
73	8.08E-04	5	1.62E-04	
74	7.85E-04	5	1.57E-04	
75	7.60E-04	5	1.52E-04	
76	7.39E-04	5	1.48E-04	
77	7.17E-04	5	1.43E-04	
78	6.95E-04	5	1.39E-04	
79	6.76E-04	5	1.35E-04	
80	6.55E-04	5	1.31E-04	
81	6.38E-04	5	1.28E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
82	6.18E-04	5	1.24E-04	
83	6.01E-04	5	1.20E-04	
84	5.85E-04	5	1.17E-04	
85	5.68E-04	5	1.14E-04	
86	5.51E-04	5	1.10E-04	
87	5.37E-04	5	1.07E-04	
88	5.24E-04	5	1.05E-04	
89	5.09E-04	5	1.02E-04	
90	4.96E-04	5	9.92E-05	
91	1.30E-03	5	2.60E-04	
92	1.23E-03	5	2.46E-04	
93	1.19E-03	5	2.38E-04	
94	1.11E-03	5	2.21E-04	
95	1.07E-03	5	2.14E-04	
96	1.02E-03	5	2.05E-04	
97	9.90E-04	5	1.98E-04	
98	9.56E-04	5	1.91E-04	
99	9.25E-04	5	1.85E-04	
100	8.93E-04	5	1.79E-04	
101	8.66E-04	5	1.73E-04	
102	8.40E-04	5	1.68E-04	
103	8.14E-04	5	1.63E-04	
104	7.89E-04	5	1.58E-04	
105	7.64E-04	5	1.53E-04	
106	7.43E-04	5	1.49E-04	
107	7.20E-04	5	1.44E-04	
108	6.97E-04	5	1.39E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
109	6.81E-04	5	1.36E-04	
110	6.59E-04	5	1.32E-04	
111	6.41E-04	5	1.28E-04	
112	6.21E-04	5	1.24E-04	
113	6.06E-04	5	1.21E-04	
114	5.87E-04	5	1.17E-04	
115	5.70E-04	5	1.14E-04	
116	5.55E-04	5	1.11E-04	
117	5.41E-04	5	1.08E-04	
118	5.26E-04	5	1.05E-04	
119	5.11E-04	5	1.02E-04	
120	5.00E-04	5	9.99E-05	
121	1.31E-03	5	2.62E-04	
122	1.25E-03	5	2.50E-04	
123	1.20E-03	5	2.40E-04	
124	1.12E-03	5	2.24E-04	
125	1.08E-03	5	2.15E-04	
126	1.04E-03	5	2.08E-04	
127	9.97E-04	5	1.99E-04	
128	9.64E-04	5	1.93E-04	
129	9.31E-04	5	1.86E-04	
130	9.01E-04	5	1.80E-04	
131	8.71E-04	5	1.74E-04	
132	8.45E-04	5	1.69E-04	
133	8.17E-04	5	1.63E-04	
134	7.91E-04	5	1.58E-04	
135	7.68E-04	5	1.54E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
136	7.47E-04	5	1.49E-04	
137	7.24E-04	5	1.45E-04	
138	7.04E-04	5	1.41E-04	
139	6.85E-04	5	1.37E-04	
140	6.64E-04	5	1.33E-04	
141	6.44E-04	5	1.29E-04	
142	6.26E-04	5	1.25E-04	
143	6.08E-04	5	1.22E-04	
144	5.90E-04	5	1.18E-04	
145	5.74E-04	5	1.15E-04	
146	5.59E-04	5	1.12E-04	
147	5.42E-04	5	1.08E-04	
148	5.27E-04	5	1.05E-04	
149	5.15E-04	5	1.03E-04	
150	5.01E-04	5	1.00E-04	
151	1.32E-03	5	2.65E-04	
152	1.28E-03	5	2.55E-04	
153	1.21E-03	5	2.42E-04	
154	1.17E-03	5	2.33E-04	
155	1.08E-03	5	2.17E-04	
156	1.05E-03	5	2.09E-04	
157	1.00E-03	5	2.01E-04	
158	9.70E-04	5	1.94E-04	
159	9.36E-04	5	1.87E-04	
160	9.07E-04	5	1.81E-04	
161	8.76E-04	5	1.75E-04	
162	8.49E-04	5	1.70E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
163	8.21E-04	5	1.64E-04	
164	7.97E-04	5	1.59E-04	
165	7.73E-04	5	1.55E-04	
166	7.50E-04	5	1.50E-04	
167	7.27E-04	5	1.45E-04	
168	7.08E-04	5	1.42E-04	
169	6.88E-04	5	1.38E-04	
170	6.67E-04	5	1.33E-04	
171	6.46E-04	5	1.29E-04	
172	6.30E-04	5	1.26E-04	
173	6.10E-04	5	1.22E-04	
174	5.93E-04	5	1.19E-04	
175	5.77E-04	5	1.15E-04	
176	5.60E-04	5	1.12E-04	
177	5.45E-04	5	1.09E-04	
178	5.32E-04	5	1.06E-04	
179	5.17E-04	5	1.03E-04	
180	5.03E-04	5	1.01E-04	
181	1.34E-03	5	2.67E-04	
182	1.29E-03	5	2.57E-04	
183	1.22E-03	5	2.44E-04	
184	1.17E-03	5	2.35E-04	
185	1.09E-03	5	2.18E-04	
186	1.05E-03	5	2.11E-04	
187	1.01E-03	5	2.02E-04	
188	9.76E-04	5	1.95E-04	
189	9.41E-04	5	1.88E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
190	9.12E-04	5	1.82E-04	
191	8.80E-04	5	1.76E-04	
192	8.53E-04	5	1.71E-04	
193	8.26E-04	5	1.65E-04	
194	8.01E-04	5	1.60E-04	
195	7.78E-04	5	1.56E-04	
196	7.54E-04	5	1.51E-04	
197	7.33E-04	5	1.47E-04	
198	7.11E-04	5	1.42E-04	
199	6.90E-04	5	1.38E-04	
200	6.69E-04	5	1.34E-04	
201	5.97E-04	5	1.19E-04	
202	5.79E-04	5	1.16E-04	
203	5.63E-04	5	1.13E-04	
204	5.49E-04	5	1.10E-04	
205	5.33E-04	5	1.07E-04	
206	5.18E-04	5	1.04E-04	
207	5.04E-04	5	1.01E-04	
208	1.35E-03	5	2.70E-04	
209	1.30E-03	5	2.59E-04	
210	1.23E-03	5	2.46E-04	
211	1.18E-03	5	2.37E-04	
212	1.10E-03	5	2.20E-04	
213	1.06E-03	5	2.12E-04	
214	1.02E-03	5	2.03E-04	
215	9.81E-04	5	1.96E-04	
216	9.46E-04	5	1.89E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
217	9.16E-04	5	1.83E-04	
218	8.87E-04	5	1.77E-04	
219	8.58E-04	5	1.72E-04	
220	8.32E-04	5	1.66E-04	
221	8.06E-04	5	1.61E-04	
222	7.81E-04	5	1.56E-04	
223	7.59E-04	5	1.52E-04	
224	7.36E-04	5	1.47E-04	
225	7.14E-04	5	1.43E-04	
226	6.93E-04	5	1.39E-04	
227	6.72E-04	5	1.34E-04	
228	5.99E-04	5	1.20E-04	
229	5.81E-04	5	1.16E-04	
230	5.67E-04	5	1.13E-04	
231	5.50E-04	5	1.10E-04	
232	5.35E-04	5	1.07E-04	
233	5.20E-04	5	1.04E-04	
234	5.07E-04	5	1.01E-04	
235	9.20E-03	5	1.84E-03	
236	1.01E-02	5	2.03E-03	
237	1.12E-02	5	2.23E-03	
238	1.23E-02	5	2.46E-03	
239	1.35E-02	5	2.70E-03	
240	1.48E-02	5	2.96E-03	
241	2.04E-02	5	4.09E-03	
242	1.93E-02	5	3.86E-03	
243	1.85E-02	5	3.71E-03	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
244	1.75E-02	5	3.50E-03	
245	1.43E-02	5	2.86E-03	
246	1.27E-02	5	2.53E-03	
247	1.12E-02	5	2.24E-03	
248	9.94E-03	5	1.99E-03	
249	8.85E-03	5	1.77E-03	
250	7.93E-03	5	1.59E-03	
251	7.13E-03	5	1.43E-03	
252	6.45E-03	5	1.29E-03	
253	1.07E-03	5	2.13E-04	
254	1.02E-03	5	2.04E-04	
255	7.62E-04	5	1.52E-04	
256	7.38E-04	5	1.48E-04	
257	7.18E-04	5	1.44E-04	
258	6.96E-04	5	1.39E-04	
259	6.75E-04	5	1.35E-04	
260	6.57E-04	5	1.31E-04	
261	6.36E-04	5	1.27E-04	
262	6.20E-04	5	1.24E-04	
263	9.99E-03	5	2.00E-03	
264	1.11E-02	5	2.23E-03	
265	1.24E-02	5	2.48E-03	
266	1.39E-02	5	2.77E-03	
267	1.55E-02	5	3.09E-03	
268	1.72E-02	5	3.44E-03	
269	2.37E-02	5	4.73E-03	
270	2.26E-02	5	4.51E-03	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
271	1.97E-02	5	3.94E-03	
272	1.61E-02	5	3.22E-03	
273	1.37E-02	5	2.74E-03	
274	1.19E-02	5	2.39E-03	
275	1.05E-02	5	2.11E-03	
276	9.28E-03	5	1.86E-03	
277	8.27E-03	5	1.65E-03	
278	7.41E-03	5	1.48E-03	
279	6.69E-03	5	1.34E-03	
280	1.07E-03	5	2.14E-04	
281	1.03E-03	5	2.06E-04	
282	7.65E-04	5	1.53E-04	
283	7.43E-04	5	1.49E-04	
284	7.20E-04	5	1.44E-04	
285	6.99E-04	5	1.40E-04	
286	6.78E-04	5	1.36E-04	
287	6.59E-04	5	1.32E-04	
288	6.38E-04	5	1.28E-04	
289	6.22E-04	5	1.24E-04	
290	1.08E-02	5	2.16E-03	
291	1.22E-02	5	2.44E-03	
292	1.38E-02	5	2.76E-03	
293	1.57E-02	5	3.13E-03	
294	1.78E-02	5	3.56E-03	
295	2.02E-02	5	4.03E-03	
296	2.69E-02	5	5.37E-03	
297	2.57E-02	5	5.13E-03	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
298	2.15E-02	5	4.30E-03	
299	1.72E-02	5	3.43E-03	
300	1.47E-02	5	2.94E-03	
301	1.27E-02	5	2.54E-03	
302	1.09E-02	5	2.18E-03	
303	9.71E-03	5	1.94E-03	
304	8.61E-03	5	1.72E-03	
305	7.69E-03	5	1.54E-03	
306	6.91E-03	5	1.38E-03	
307	1.70E-03	5	3.40E-04	
308	1.63E-03	5	3.25E-04	
309	1.08E-03	5	2.15E-04	
310	1.04E-03	5	2.08E-04	
311	7.67E-04	5	1.53E-04	
312	7.45E-04	5	1.49E-04	
313	7.22E-04	5	1.44E-04	
314	7.02E-04	5	1.40E-04	
315	6.81E-04	5	1.36E-04	
316	6.61E-04	5	1.32E-04	
317	6.42E-04	5	1.28E-04	
318	6.23E-04	5	1.25E-04	
319	1.17E-02	5	2.33E-03	
320	1.33E-02	5	2.66E-03	
321	1.53E-02	5	3.06E-03	
322	1.77E-02	5	3.54E-03	
323	2.05E-02	5	4.11E-03	
324	2.39E-02	5	4.77E-03	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
325	3.20E-02	5	6.39E-03	
326	2.68E-02	5	5.35E-03	
327	2.26E-02	5	4.52E-03	
328	1.86E-02	5	3.72E-03	
329	1.58E-02	5	3.15E-03	
330	1.34E-02	5	2.69E-03	
331	1.16E-02	5	2.32E-03	
332	1.01E-02	5	2.02E-03	
333	8.95E-03	5	1.79E-03	
334	7.96E-03	5	1.59E-03	
335	7.13E-03	5	1.43E-03	
336	1.71E-03	5	3.43E-04	
337	1.64E-03	5	3.28E-04	
338	1.12E-03	5	2.25E-04	
339	1.05E-03	5	2.09E-04	
340	6.43E-04	5	1.29E-04	
341	6.24E-04	5	1.25E-04	
342	1.25E-02	5	2.49E-03	
343	1.44E-02	5	2.89E-03	
344	1.69E-02	5	3.37E-03	
345	1.99E-02	5	3.98E-03	
346	2.37E-02	5	4.74E-03	
347	2.84E-02	5	5.67E-03	
348	4.67E-02	5	9.33E-03	
349	3.80E-02	5	7.59E-03	
350	3.04E-02	5	6.09E-03	
351	2.45E-02	5	4.91E-03	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
352	2.01E-02	5	4.02E-03	
353	1.68E-02	5	3.35E-03	
354	1.42E-02	5	2.84E-03	
355	1.22E-02	5	2.43E-03	
356	9.93E-03	5	1.99E-03	
357	9.26E-03	5	1.85E-03	
358	8.22E-03	5	1.64E-03	
359	7.34E-03	5	1.47E-03	
360	2.33E-03	5	4.66E-04	
361	2.21E-03	5	4.41E-04	
362	1.72E-03	5	3.45E-04	
363	1.65E-03	5	3.29E-04	
364	1.13E-03	5	2.26E-04	
365	1.09E-03	5	2.18E-04	
366	8.79E-04	5	1.76E-04	
367	8.52E-04	5	1.70E-04	
368	8.23E-04	5	1.65E-04	
369	6.42E-04	5	1.28E-04	
370	6.24E-04	5	1.25E-04	
371	6.05E-04	5	1.21E-04	
372	5.87E-04	5	1.17E-04	
373	5.69E-04	5	1.14E-04	
374	5.54E-04	5	1.11E-04	
375	5.39E-04	5	1.08E-04	
376	5.23E-04	5	1.05E-04	
377	5.11E-04	5	1.02E-04	
378	1.32E-02	5	2.65E-03	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
379	1.55E-02	5	3.10E-03	
380	1.84E-02	5	3.68E-03	
381	2.22E-02	5	4.43E-03	
382	2.71E-02	5	5.42E-03	
383	3.37E-02	5	6.74E-03	
384	5.88E-02	5	1.18E-02	
385	4.46E-02	5	8.93E-03	
386	3.42E-02	5	6.84E-03	
387	2.68E-02	5	5.36E-03	
388	2.16E-02	5	4.31E-03	
389	1.77E-02	5	3.55E-03	
390	1.49E-02	5	2.98E-03	
391	1.27E-02	5	2.54E-03	
392	1.10E-02	5	2.19E-03	
393	9.57E-03	5	1.91E-03	
394	8.45E-03	5	1.69E-03	
395	7.52E-03	5	1.50E-03	
396	2.35E-03	5	4.69E-04	
397	2.22E-03	5	4.44E-04	
398	1.73E-03	5	3.46E-04	
399	1.65E-03	5	3.31E-04	
400	1.14E-03	5	2.27E-04	
401	1.09E-03	5	2.18E-04	
402	8.80E-04	5	1.76E-04	
403	8.53E-04	5	1.71E-04	
404	8.25E-04	5	1.65E-04	
405	6.42E-04	5	1.28E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
406	6.22E-04	5	1.24E-04	
407	6.03E-04	5	1.21E-04	
408	5.87E-04	5	1.17E-04	
409	5.69E-04	5	1.14E-04	
410	5.52E-04	5	1.10E-04	
411	5.39E-04	5	1.08E-04	
412	5.24E-04	5	1.05E-04	
413	5.11E-04	5	1.02E-04	
414	1.39E-02	5	2.77E-03	
415	1.64E-02	5	3.28E-03	
416	1.98E-02	5	3.95E-03	
417	2.43E-02	5	4.86E-03	
418	3.06E-02	5	6.11E-03	
419	3.95E-02	5	7.91E-03	
420	1.43E-01	5	2.86E-02	
421	1.06E-01	5	2.12E-02	
422	7.32E-02	5	1.46E-02	
423	5.15E-02	5	1.03E-02	
424	3.79E-02	5	7.57E-03	
425	2.89E-02	5	5.78E-03	
426	2.29E-02	5	4.58E-03	
427	1.86E-02	5	3.73E-03	
428	1.55E-02	5	3.10E-03	
429	1.31E-02	5	2.63E-03	
430	1.13E-02	5	2.26E-03	
431	9.83E-03	5	1.97E-03	
432	8.64E-03	5	1.73E-03	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
433	7.68E-03	5	1.54E-03	
434	2.36E-03	5	4.72E-04	
435	2.23E-03	5	4.47E-04	
436	1.82E-03	5	3.64E-04	
437	1.74E-03	5	3.48E-04	
438	1.66E-03	5	3.32E-04	
439	1.16E-03	5	2.31E-04	
440	1.09E-03	5	2.19E-04	
441	8.81E-04	5	1.76E-04	
442	8.53E-04	5	1.71E-04	
443	8.26E-04	5	1.65E-04	
444	7.98E-04	5	1.60E-04	
445	7.75E-04	5	1.55E-04	
446	7.50E-04	5	1.50E-04	
447	7.31E-04	5	1.46E-04	
448	7.03E-04	5	1.41E-04	
449	6.83E-04	5	1.37E-04	
450	6.62E-04	5	1.32E-04	
451	6.43E-04	5	1.29E-04	
452	6.22E-04	5	1.24E-04	
453	6.02E-04	5	1.20E-04	
454	5.84E-04	5	1.17E-04	
455	5.69E-04	5	1.14E-04	
456	5.52E-04	5	1.10E-04	
457	5.39E-04	5	1.08E-04	
458	5.23E-04	5	1.05E-04	
459	5.10E-04	5	1.02E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
460	1.43E-02	5	2.87E-03	
461	1.71E-02	5	3.43E-03	
462	2.09E-02	5	4.17E-03	
463	2.60E-02	5	5.21E-03	
464	3.36E-02	5	6.71E-03	
465	4.50E-02	5	9.01E-03	
466	2.65E-01	5	5.30E-02	
467	1.48E-01	5	2.95E-02	
468	8.81E-02	5	1.76E-02	
469	5.79E-02	5	1.16E-02	
470	4.10E-02	5	8.20E-03	
471	3.07E-02	5	6.14E-03	
472	2.40E-02	5	4.80E-03	
473	1.94E-02	5	3.87E-03	
474	1.60E-02	5	3.20E-03	
475	1.35E-02	5	2.70E-03	
476	1.15E-02	5	2.31E-03	
477	1.00E-02	5	2.00E-03	
478	8.79E-03	5	1.76E-03	
479	7.79E-03	5	1.56E-03	
480	1.83E-03	5	3.66E-04	
481	1.74E-03	5	3.49E-04	
482	1.67E-03	5	3.33E-04	
483	8.82E-04	5	1.76E-04	
484	8.53E-04	5	1.71E-04	
485	8.26E-04	5	1.65E-04	
486	7.99E-04	5	1.60E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
487	7.76E-04	5	1.55E-04	
488	7.51E-04	5	1.50E-04	
489	7.31E-04	5	1.46E-04	
490	7.04E-04	5	1.41E-04	
491	6.83E-04	5	1.37E-04	
492	6.61E-04	5	1.32E-04	
493	6.41E-04	5	1.28E-04	
494	6.22E-04	5	1.24E-04	
495	6.02E-04	5	1.20E-04	
496	5.83E-04	5	1.17E-04	
497	5.69E-04	5	1.14E-04	
498	5.52E-04	5	1.10E-04	
499	5.39E-04	5	1.08E-04	
500	5.23E-04	5	1.05E-04	
501	5.10E-04	5	1.02E-04	
502	1.46E-02	5	2.92E-03	
503	1.75E-02	5	3.51E-03	
504	1.92E-03	5	3.84E-04	
505	1.83E-03	5	3.66E-04	
506	1.75E-03	5	3.49E-04	
507	1.67E-03	5	3.33E-04	
508	1.59E-03	5	3.19E-04	
509	8.26E-04	5	1.65E-04	
510	1.45E-02	5	2.90E-03	
511	1.76E-02	5	3.52E-03	
512	1.92E-03	5	3.84E-04	
513	1.83E-03	5	3.66E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
514	1.75E-03	5	3.49E-04	
515	1.67E-03	5	3.34E-04	
516	1.59E-03	5	3.19E-04	
517	8.26E-04	5	1.65E-04	
518	1.36E-02	5	2.73E-03	
519	1.74E-02	5	3.47E-03	
520	1.83E-03	5	3.66E-04	
521	1.74E-03	5	3.49E-04	
522	1.67E-03	5	3.33E-04	
523	1.59E-03	5	3.19E-04	
524	8.25E-04	5	1.65E-04	
525	1.27E-02	5	2.53E-03	
526	1.56E-02	5	3.11E-03	
527	8.24E-04	5	1.65E-04	
528	1.08E-03	5	2.15E-04	
529	1.02E-03	5	2.04E-04	
530	9.84E-04	5	1.97E-04	
531	9.15E-04	5	1.83E-04	
532	8.79E-04	5	1.76E-04	
533	8.51E-04	5	1.70E-04	
534	8.22E-04	5	1.64E-04	
535	1.07E-03	5	2.15E-04	
536	1.02E-03	5	2.03E-04	
537	9.84E-04	5	1.97E-04	
538	9.13E-04	5	1.83E-04	
539	8.77E-04	5	1.75E-04	
540	8.49E-04	5	1.70E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
541	8.20E-04	5	1.64E-04	
542	1.07E-03	5	2.14E-04	
543	1.01E-03	5	2.03E-04	
544	9.81E-04	5	1.96E-04	
545	9.10E-04	5	1.82E-04	
546	8.81E-04	5	1.76E-04	
547	8.46E-04	5	1.69E-04	
548	8.18E-04	5	1.64E-04	
549	1.07E-03	5	2.13E-04	
550	1.02E-03	5	2.03E-04	
551	9.77E-04	5	1.95E-04	
552	9.07E-04	5	1.81E-04	
553	8.78E-04	5	1.76E-04	
554	8.43E-04	5	1.69E-04	
555	8.18E-04	5	1.64E-04	
556	1.53E-03	5	3.05E-04	
557	1.46E-03	5	2.93E-04	
558	1.52E-03	5	3.05E-04	
559	1.46E-03	5	2.92E-04	

Unmitigated Risk from Facility Location 2

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
1	0.4831	2.8E-03	1.4E-03	1090	1	0.96	1E-06	1.43E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	**46.20**
2	0.45301	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.35E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
3	0.43046	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.28E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
4	0.4148	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.23E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
5	0.39709	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.18E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
6	0.38316	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.14E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
7	0.36905	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.10E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
8	0.35663	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
9	0.34394	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.02E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
10	0.33285	2.8E-03	9.5E-04	1090	1	0.96	1E-06	9.89E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
11	0.32143	2.8E-03	9.1E-04	1090	1	0.96	1E-06	9.55E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
12	0.31194	2.8E-03	8.9E-04	1090	1	0.96	1E-06	9.27E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
13	0.30197	2.8E-03	8.6E-04	1090	1	0.96	1E-06	8.97E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
14	0.29204	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.67E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
15	0.28353	2.8E-03	8.1E-04	1090	1	0.96	1E-06	8.42E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
16	0.27449	2.8E-03	7.8E-04	1090	1	0.96	1E-06	8.15E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
17	0.26554	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.89E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
18	0.25798	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.66E-07	1.1	10	0.96	70	0.85	9.9E-08	9.9E-02	
19	0.25079	2.8E-03	7.1E-04	1090	1	0.96	1E-06	7.45E-07	1.1	10	0.96	70	0.85	9.6E-08	9.6E-02	
20	0.24277	2.8E-03	6.9E-04	1090	1	0.96	1E-06	7.21E-07	1.1	10	0.96	70	0.85	9.3E-08	9.3E-02	
21	0.23513	2.8E-03	6.7E-04	1090	1	0.96	1E-06	6.98E-07	1.1	10	0.96	70	0.85	9.0E-08	9.0E-02	
22	0.22901	2.8E-03	6.5E-04	1090	1	0.96	1E-06	6.80E-07	1.1	10	0.96	70	0.85	8.7E-08	8.7E-02	
23	0.22195	2.8E-03	6.3E-04	1090	1	0.96	1E-06	6.59E-07	1.1	10	0.96	70	0.85	8.5E-08	8.5E-02	
24	0.21576	2.8E-03	6.1E-04	1090	1	0.96	1E-06	6.41E-07	1.1	10	0.96	70	0.85	8.2E-08	8.2E-02	
25	0.20984	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.23E-07	1.1	10	0.96	70	0.85	8.0E-08	8.0E-02	
26	0.20375	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.05E-07	1.1	10	0.96	70	0.85	7.8E-08	7.8E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
27	0.19793	2.8E-03	5.6E-04	1090	1	0.96	1E-06	5.88E-07	1.1	10	0.96	70	0.85	7.6E-08	7.6E-02	
28	0.1924	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.71E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
29	0.18785	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.58E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
30	0.18274	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.43E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
31	0.48906	2.8E-03	1.4E-03	1090	1	0.96	1E-06	1.45E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
32	0.45754	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.36E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
33	0.43465	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.29E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
34	0.41835	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.24E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
35	0.40023	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.19E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
36	0.38615	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.15E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
37	0.37177	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.10E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
38	0.35922	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.07E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
39	0.34651	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.03E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
40	0.33508	2.8E-03	9.5E-04	1090	1	0.96	1E-06	9.95E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
41	0.3235	2.8E-03	9.2E-04	1090	1	0.96	1E-06	9.61E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
42	0.31432	2.8E-03	8.9E-04	1090	1	0.96	1E-06	9.34E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
43	0.30383	2.8E-03	8.6E-04	1090	1	0.96	1E-06	9.02E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
44	0.29471	2.8E-03	8.4E-04	1090	1	0.96	1E-06	8.75E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
45	0.28517	2.8E-03	8.1E-04	1090	1	0.96	1E-06	8.47E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
46	0.27667	2.8E-03	7.9E-04	1090	1	0.96	1E-06	8.22E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
47	0.26765	2.8E-03	7.6E-04	1090	1	0.96	1E-06	7.95E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
48	0.25968	2.8E-03	7.4E-04	1090	1	0.96	1E-06	7.71E-07	1.1	10	0.96	70	0.85	9.9E-08	9.9E-02	
49	0.25199	2.8E-03	7.2E-04	1090	1	0.96	1E-06	7.48E-07	1.1	10	0.96	70	0.85	9.6E-08	9.6E-02	
50	0.24397	2.8E-03	6.9E-04	1090	1	0.96	1E-06	7.25E-07	1.1	10	0.96	70	0.85	9.3E-08	9.3E-02	
51	0.23718	2.8E-03	6.7E-04	1090	1	0.96	1E-06	7.05E-07	1.1	10	0.96	70	0.85	9.1E-08	9.1E-02	
52	0.23008	2.8E-03	6.5E-04	1090	1	0.96	1E-06	6.83E-07	1.1	10	0.96	70	0.85	8.8E-08	8.8E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
53	0.22296	2.8E-03	6.3E-04	1090	1	0.96	1E-06	6.62E-07	1.1	10	0.96	70	0.85	8.5E-08	8.5E-02	
54	0.21675	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.44E-07	1.1	10	0.96	70	0.85	8.3E-08	8.3E-02	
55	0.21081	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.26E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
56	0.2046	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.08E-07	1.1	10	0.96	70	0.85	7.8E-08	7.8E-02	
57	0.19873	2.8E-03	5.6E-04	1090	1	0.96	1E-06	5.90E-07	1.1	10	0.96	70	0.85	7.6E-08	7.6E-02	
58	0.19374	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.75E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
59	0.18858	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.60E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
60	0.18343	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.45E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
61	0.49492	2.8E-03	1.4E-03	1090	1	0.96	1E-06	1.47E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
62	0.462	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.37E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
63	0.43995	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.31E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
64	0.42186	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.25E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
65	0.40392	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.20E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
66	0.38908	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.16E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
67	0.37525	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.11E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
68	0.36176	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.07E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
69	0.34973	2.8E-03	9.9E-04	1090	1	0.96	1E-06	1.04E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
70	0.3373	2.8E-03	9.6E-04	1090	1	0.96	1E-06	1.00E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
71	0.32652	2.8E-03	9.3E-04	1090	1	0.96	1E-06	9.70E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
72	0.3163	2.8E-03	9.0E-04	1090	1	0.96	1E-06	9.40E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
73	0.30567	2.8E-03	8.7E-04	1090	1	0.96	1E-06	9.08E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
74	0.29646	2.8E-03	8.4E-04	1090	1	0.96	1E-06	8.81E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
75	0.28681	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.52E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
76	0.2785	2.8E-03	7.9E-04	1090	1	0.96	1E-06	8.27E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
77	0.26967	2.8E-03	7.7E-04	1090	1	0.96	1E-06	8.01E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
78	0.26086	2.8E-03	7.4E-04	1090	1	0.96	1E-06	7.75E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
79	0.25349	2.8E-03	7.2E-04	1090	1	0.96	1E-06	7.53E-07	1.1	10	0.96	70	0.85	9.7E-08	9.7E-02	
80	0.24535	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.29E-07	1.1	10	0.96	70	0.85	9.4E-08	9.4E-02	
81	0.23872	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.09E-07	1.1	10	0.96	70	0.85	9.1E-08	9.1E-02	
82	0.23119	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.87E-07	1.1	10	0.96	70	0.85	8.8E-08	8.8E-02	
83	0.22456	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.67E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
84	0.21827	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.48E-07	1.1	10	0.96	70	0.85	8.3E-08	8.3E-02	
85	0.21171	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.29E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
86	0.20544	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.10E-07	1.1	10	0.96	70	0.85	7.8E-08	7.8E-02	
87	0.19996	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.94E-07	1.1	10	0.96	70	0.85	7.6E-08	7.6E-02	
88	0.19476	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.79E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
89	0.1893	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.62E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
90	0.18411	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.47E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
91	0.50062	2.8E-03	1.4E-03	1090	1	0.96	1E-06	1.49E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
92	0.46638	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.39E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
93	0.44874	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.33E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
94	0.42533	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.26E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
95	0.40987	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.22E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
96	0.39197	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.16E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
97	0.37831	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.12E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
98	0.36445	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.08E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
99	0.35209	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.05E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
100	0.33948	2.8E-03	9.6E-04	1090	1	0.96	1E-06	1.01E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
101	0.32859	2.8E-03	9.3E-04	1090	1	0.96	1E-06	9.76E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
102	0.31825	2.8E-03	9.0E-04	1090	1	0.96	1E-06	9.45E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
103	0.30792	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.15E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
104	0.29818	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.86E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
105	0.28845	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.57E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
106	0.28003	2.8E-03	8.0E-04	1090	1	0.96	1E-06	8.32E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
107	0.27103	2.8E-03	7.7E-04	1090	1	0.96	1E-06	8.05E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
108	0.26196	2.8E-03	7.4E-04	1090	1	0.96	1E-06	7.78E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
109	0.25545	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.59E-07	1.1	10	0.96	70	0.85	9.8E-08	9.8E-02	
110	0.24686	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.33E-07	1.1	10	0.96	70	0.85	9.4E-08	9.4E-02	
111	0.23984	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.12E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
112	0.23227	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.90E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
113	0.22622	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.72E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
114	0.2192	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.51E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
115	0.21258	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.31E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
116	0.20674	2.8E-03	5.9E-04	1090	1	0.96	1E-06	6.14E-07	1.1	10	0.96	70	0.85	7.9E-08	7.9E-02	
117	0.20125	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.98E-07	1.1	10	0.96	70	0.85	7.7E-08	7.7E-02	
118	0.1955	2.8E-03	5.6E-04	1090	1	0.96	1E-06	5.81E-07	1.1	10	0.96	70	0.85	7.5E-08	7.5E-02	
119	0.18999	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.64E-07	1.1	10	0.96	70	0.85	7.3E-08	7.3E-02	
120	0.18555	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.51E-07	1.1	10	0.96	70	0.85	7.1E-08	7.1E-02	
121	0.50614	2.8E-03	1.4E-03	1090	1	0.96	1E-06	1.50E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
122	0.47286	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.40E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
123	0.45271	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.34E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
124	0.43016	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.28E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
125	0.41304	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.23E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
126	0.39722	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.18E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
127	0.38097	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.13E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
128	0.3679	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
129	0.3544	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.05E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
130	0.34274	2.8E-03	9.7E-04	1090	1	0.96	1E-06	1.02E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
131	0.33061	2.8E-03	9.4E-04	1090	1	0.96	1E-06	9.82E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
132	0.32015	2.8E-03	9.1E-04	1090	1	0.96	1E-06	9.51E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
133	0.30927	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.19E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
134	0.2992	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.89E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
135	0.28999	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.61E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
136	0.28152	2.8E-03	8.0E-04	1090	1	0.96	1E-06	8.36E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
137	0.27246	2.8E-03	7.7E-04	1090	1	0.96	1E-06	8.09E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
138	0.26487	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.87E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
139	0.2571	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.64E-07	1.1	10	0.96	70	0.85	9.8E-08	9.8E-02	
140	0.24877	2.8E-03	7.1E-04	1090	1	0.96	1E-06	7.39E-07	1.1	10	0.96	70	0.85	9.5E-08	9.5E-02	
141	0.24093	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.16E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
142	0.23429	2.8E-03	6.7E-04	1090	1	0.96	1E-06	6.96E-07	1.1	10	0.96	70	0.85	9.0E-08	9.0E-02	
143	0.22718	2.8E-03	6.5E-04	1090	1	0.96	1E-06	6.75E-07	1.1	10	0.96	70	0.85	8.7E-08	8.7E-02	
144	0.22009	2.8E-03	6.3E-04	1090	1	0.96	1E-06	6.54E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
145	0.21394	2.8E-03	6.1E-04	1090	1	0.96	1E-06	6.35E-07	1.1	10	0.96	70	0.85	8.2E-08	8.2E-02	
146	0.20813	2.8E-03	5.9E-04	1090	1	0.96	1E-06	6.18E-07	1.1	10	0.96	70	0.85	8.0E-08	8.0E-02	
147	0.202	2.8E-03	5.7E-04	1090	1	0.96	1E-06	6.00E-07	1.1	10	0.96	70	0.85	7.7E-08	7.7E-02	
148	0.19623	2.8E-03	5.6E-04	1090	1	0.96	1E-06	5.83E-07	1.1	10	0.96	70	0.85	7.5E-08	7.5E-02	
149	0.19153	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.69E-07	1.1	10	0.96	70	0.85	7.3E-08	7.3E-02	
150	0.18621	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.53E-07	1.1	10	0.96	70	0.85	7.1E-08	7.1E-02	
151	0.51146	2.8E-03	1.5E-03	1090	1	0.96	1E-06	1.52E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	
152	0.49151	2.8E-03	1.4E-03	1090	1	0.96	1E-06	1.46E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
153	0.45656	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.36E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
154	0.43941	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.31E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
155	0.41613	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.24E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
156	0.40114	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.19E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
157	0.38356	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.14E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
158	0.37033	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.10E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
159	0.35665	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
160	0.34485	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.02E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
161	0.33257	2.8E-03	9.5E-04	1090	1	0.96	1E-06	9.88E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
162	0.322	2.8E-03	9.2E-04	1090	1	0.96	1E-06	9.56E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
163	0.311	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.24E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
164	0.30149	2.8E-03	8.6E-04	1090	1	0.96	1E-06	8.96E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
165	0.29191	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.67E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
166	0.28299	2.8E-03	8.0E-04	1090	1	0.96	1E-06	8.41E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
167	0.27389	2.8E-03	7.8E-04	1090	1	0.96	1E-06	8.14E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
168	0.26618	2.8E-03	7.6E-04	1090	1	0.96	1E-06	7.91E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
169	0.25823	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.67E-07	1.1	10	0.96	70	0.85	9.9E-08	9.9E-02	
170	0.25003	2.8E-03	7.1E-04	1090	1	0.96	1E-06	7.43E-07	1.1	10	0.96	70	0.85	9.6E-08	9.6E-02	
171	0.24197	2.8E-03	6.9E-04	1090	1	0.96	1E-06	7.19E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
172	0.23556	2.8E-03	6.7E-04	1090	1	0.96	1E-06	7.00E-07	1.1	10	0.96	70	0.85	9.0E-08	9.0E-02	
173	0.2281	2.8E-03	6.5E-04	1090	1	0.96	1E-06	6.78E-07	1.1	10	0.96	70	0.85	8.7E-08	8.7E-02	
174	0.22153	2.8E-03	6.3E-04	1090	1	0.96	1E-06	6.58E-07	1.1	10	0.96	70	0.85	8.5E-08	8.5E-02	
175	0.21537	2.8E-03	6.1E-04	1090	1	0.96	1E-06	6.40E-07	1.1	10	0.96	70	0.85	8.2E-08	8.2E-02	
176	0.20889	2.8E-03	5.9E-04	1090	1	0.96	1E-06	6.20E-07	1.1	10	0.96	70	0.85	8.0E-08	8.0E-02	
177	0.20301	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.03E-07	1.1	10	0.96	70	0.85	7.8E-08	7.8E-02	
178	0.19783	2.8E-03	5.6E-04	1090	1	0.96	1E-06	5.88E-07	1.1	10	0.96	70	0.85	7.6E-08	7.6E-02	
179	0.19219	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.71E-07	1.1	10	0.96	70	0.85	7.3E-08	7.3E-02	
180	0.1868	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.55E-07	1.1	10	0.96	70	0.85	7.1E-08	7.1E-02	
181	0.51653	2.8E-03	1.5E-03	1090	1	0.96	1E-06	1.53E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	
182	0.49617	2.8E-03	1.4E-03	1090	1	0.96	1E-06	1.47E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
183	0.4603	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.37E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
184	0.44284	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.32E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
185	0.4191	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.24E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
186	0.40391	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.20E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
187	0.38632	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.15E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
188	0.37267	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.11E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
189	0.35882	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.07E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
190	0.34688	2.8E-03	9.9E-04	1090	1	0.96	1E-06	1.03E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
191	0.33446	2.8E-03	9.5E-04	1090	1	0.96	1E-06	9.93E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
192	0.32377	2.8E-03	9.2E-04	1090	1	0.96	1E-06	9.62E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
193	0.31294	2.8E-03	8.9E-04	1090	1	0.96	1E-06	9.30E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
194	0.30304	2.8E-03	8.6E-04	1090	1	0.96	1E-06	9.00E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
195	0.29391	2.8E-03	8.4E-04	1090	1	0.96	1E-06	8.73E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
196	0.28434	2.8E-03	8.1E-04	1090	1	0.96	1E-06	8.45E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
197	0.27616	2.8E-03	7.8E-04	1090	1	0.96	1E-06	8.20E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
198	0.26743	2.8E-03	7.6E-04	1090	1	0.96	1E-06	7.94E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
199	0.25933	2.8E-03	7.4E-04	1090	1	0.96	1E-06	7.70E-07	1.1	10	0.96	70	0.85	9.9E-08	9.9E-02	
200	0.25104	2.8E-03	7.1E-04	1090	1	0.96	1E-06	7.46E-07	1.1	10	0.96	70	0.85	9.6E-08	9.6E-02	
201	0.22307	2.8E-03	6.3E-04	1090	1	0.96	1E-06	6.63E-07	1.1	10	0.96	70	0.85	8.5E-08	8.5E-02	
202	0.21613	2.8E-03	6.1E-04	1090	1	0.96	1E-06	6.42E-07	1.1	10	0.96	70	0.85	8.3E-08	8.3E-02	
203	0.2099	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.23E-07	1.1	10	0.96	70	0.85	8.0E-08	8.0E-02	
204	0.20445	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.07E-07	1.1	10	0.96	70	0.85	7.8E-08	7.8E-02	
205	0.19845	2.8E-03	5.6E-04	1090	1	0.96	1E-06	5.89E-07	1.1	10	0.96	70	0.85	7.6E-08	7.6E-02	
206	0.19277	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.73E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
207	0.18734	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.56E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
208	0.52131	2.8E-03	1.5E-03	1090	1	0.96	1E-06	1.55E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
209	0.50057	2.8E-03	1.4E-03	1090	1	0.96	1E-06	1.49E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
210	0.4657	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.38E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
211	0.44609	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.33E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
212	0.42194	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.25E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
213	0.40651	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.21E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
214	0.38845	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.15E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
215	0.37489	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.11E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
216	0.36087	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.07E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
217	0.3488	2.8E-03	9.9E-04	1090	1	0.96	1E-06	1.04E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
218	0.33708	2.8E-03	9.6E-04	1090	1	0.96	1E-06	1.00E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
219	0.32548	2.8E-03	9.2E-04	1090	1	0.96	1E-06	9.67E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
220	0.3152	2.8E-03	9.0E-04	1090	1	0.96	1E-06	9.36E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
221	0.30518	2.8E-03	8.7E-04	1090	1	0.96	1E-06	9.06E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
222	0.29529	2.8E-03	8.4E-04	1090	1	0.96	1E-06	8.77E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
223	0.28654	2.8E-03	8.1E-04	1090	1	0.96	1E-06	8.51E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
224	0.27735	2.8E-03	7.9E-04	1090	1	0.96	1E-06	8.24E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
225	0.26858	2.8E-03	7.6E-04	1090	1	0.96	1E-06	7.98E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
226	0.2604	2.8E-03	7.4E-04	1090	1	0.96	1E-06	7.73E-07	1.1	10	0.96	70	0.85	9.9E-08	9.9E-02	
227	0.25209	2.8E-03	7.2E-04	1090	1	0.96	1E-06	7.49E-07	1.1	10	0.96	70	0.85	9.6E-08	9.6E-02	
228	0.22383	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.65E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
229	0.21683	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.44E-07	1.1	10	0.96	70	0.85	8.3E-08	8.3E-02	
230	0.2114	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.28E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
231	0.20506	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.09E-07	1.1	10	0.96	70	0.85	7.8E-08	7.8E-02	
232	0.19901	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.91E-07	1.1	10	0.96	70	0.85	7.6E-08	7.6E-02	
233	0.19329	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.74E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
234	0.18847	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.60E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
235	2.56866	2.8E-03	7.3E-03	1090	1	0.96	1E-06	7.63E-06	1.1	10	0.96	70	0.85	9.8E-07	9.8E-01	
236	2.81813	2.8E-03	8.0E-03	1090	1	0.96	1E-06	8.37E-06	1.1	10	0.96	70	0.85	1.1E-06	1.1E+00	
237	3.09827	2.8E-03	8.8E-03	1090	1	0.96	1E-06	9.20E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
238	3.41074	2.8E-03	9.7E-03	1090	1	0.96	1E-06	1.01E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
239	3.75721	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.12E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
240	4.13749	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.23E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
241	7.31075	2.8E-03	2.1E-02	1090	1	0.96	1E-06	2.17E-05	1.1	10	0.96	70	0.85	2.8E-06	2.8E+00	
242	7.41114	2.8E-03	2.1E-02	1090	1	0.96	1E-06	2.20E-05	1.1	10	0.96	70	0.85	2.8E-06	2.8E+00	
243	7.92124	2.8E-03	2.3E-02	1090	1	0.96	1E-06	2.35E-05	1.1	10	0.96	70	0.85	3.0E-06	3.0E+00	
244	7.75508	2.8E-03	2.2E-02	1090	1	0.96	1E-06	2.30E-05	1.1	10	0.96	70	0.85	3.0E-06	3.0E+00	
245	6.47496	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.92E-05	1.1	10	0.96	70	0.85	2.5E-06	2.5E+00	
246	5.90261	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.75E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
247	5.28843	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.57E-05	1.1	10	0.96	70	0.85	2.0E-06	2.0E+00	
248	4.69599	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.39E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
249	4.1559	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.23E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
250	3.68202	2.8E-03	1.0E-02	1090	1	0.96	1E-06	1.09E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
251	3.27193	2.8E-03	9.3E-03	1090	1	0.96	1E-06	9.72E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
252	2.92166	2.8E-03	8.3E-03	1090	1	0.96	1E-06	8.68E-06	1.1	10	0.96	70	0.85	1.1E-06	1.1E+00	
253	0.40902	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.21E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
254	0.39068	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.16E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
255	0.28772	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.55E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
256	0.27842	2.8E-03	7.9E-04	1090	1	0.96	1E-06	8.27E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
257	0.27032	2.8E-03	7.7E-04	1090	1	0.96	1E-06	8.03E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
258	0.26183	2.8E-03	7.4E-04	1090	1	0.96	1E-06	7.78E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
259	0.25329	2.8E-03	7.2E-04	1090	1	0.96	1E-06	7.52E-07	1.1	10	0.96	70	0.85	9.7E-08	9.7E-02	
260	0.24624	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.31E-07	1.1	10	0.96	70	0.85	9.4E-08	9.4E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
261	0.23825	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.08E-07	1.1	10	0.96	70	0.85	9.1E-08	9.1E-02	
262	0.23192	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.89E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
263	2.73	2.8E-03	7.8E-03	1090	1	0.96	1E-06	8.11E-06	1.1	10	0.96	70	0.85	1.0E-06	1.0E+00	
264	3.01923	2.8E-03	8.6E-03	1090	1	0.96	1E-06	8.97E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
265	3.34983	2.8E-03	9.5E-03	1090	1	0.96	1E-06	9.95E-06	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
266	3.72662	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.11E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
267	4.15415	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.23E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
268	4.63543	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.38E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
269	9.82217	2.8E-03	2.8E-02	1090	1	0.96	1E-06	2.92E-05	1.1	10	0.96	70	0.85	3.8E-06	3.8E+00	
270	9.88581	2.8E-03	2.8E-02	1090	1	0.96	1E-06	2.94E-05	1.1	10	0.96	70	0.85	3.8E-06	3.8E+00	
271	9.44404	2.8E-03	2.7E-02	1090	1	0.96	1E-06	2.81E-05	1.1	10	0.96	70	0.85	3.6E-06	3.6E+00	
272	8.10179	2.8E-03	2.3E-02	1090	1	0.96	1E-06	2.41E-05	1.1	10	0.96	70	0.85	3.1E-06	3.1E+00	
273	6.68227	2.8E-03	1.9E-02	1090	1	0.96	1E-06	1.98E-05	1.1	10	0.96	70	0.85	2.6E-06	2.6E+00	
274	5.85589	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.74E-05	1.1	10	0.96	70	0.85	2.2E-06	2.2E+00	
275	5.24712	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.56E-05	1.1	10	0.96	70	0.85	2.0E-06	2.0E+00	
276	4.45294	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.32E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
277	3.90525	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.16E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
278	3.44322	2.8E-03	9.8E-03	1090	1	0.96	1E-06	1.02E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
279	3.05691	2.8E-03	8.7E-03	1090	1	0.96	1E-06	9.08E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
280	0.41131	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.22E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
281	0.39448	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.17E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
282	0.28877	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.58E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
283	0.28025	2.8E-03	8.0E-04	1090	1	0.96	1E-06	8.32E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
284	0.27125	2.8E-03	7.7E-04	1090	1	0.96	1E-06	8.06E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
285	0.26304	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.81E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
286	0.25448	2.8E-03	7.2E-04	1090	1	0.96	1E-06	7.56E-07	1.1	10	0.96	70	0.85	9.7E-08	9.7E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
287	0.24705	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.34E-07	1.1	10	0.96	70	0.85	9.4E-08	9.4E-02	
288	0.239	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.10E-07	1.1	10	0.96	70	0.85	9.1E-08	9.1E-02	
289	0.23258	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.91E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
290	2.89073	2.8E-03	8.2E-03	1090	1	0.96	1E-06	8.59E-06	1.1	10	0.96	70	0.85	1.1E-06	1.1E+00	
291	3.22326	2.8E-03	9.2E-03	1090	1	0.96	1E-06	9.57E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
292	3.61061	2.8E-03	1.0E-02	1090	1	0.96	1E-06	1.07E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
293	4.06315	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.21E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
294	4.58917	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.36E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
295	5.20007	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.54E-05	1.1	10	0.96	70	0.85	2.0E-06	2.0E+00	
296	11.38918	2.8E-03	3.2E-02	1090	1	0.96	1E-06	3.38E-05	1.1	10	0.96	70	0.85	4.4E-06	4.4E+00	
297	12.34187	2.8E-03	3.5E-02	1090	1	0.96	1E-06	3.67E-05	1.1	10	0.96	70	0.85	4.7E-06	4.7E+00	
298	11.21351	2.8E-03	3.2E-02	1090	1	0.96	1E-06	3.33E-05	1.1	10	0.96	70	0.85	4.3E-06	4.3E+00	
299	8.94111	2.8E-03	2.5E-02	1090	1	0.96	1E-06	2.66E-05	1.1	10	0.96	70	0.85	3.4E-06	3.4E+00	
300	7.55064	2.8E-03	2.1E-02	1090	1	0.96	1E-06	2.24E-05	1.1	10	0.96	70	0.85	2.9E-06	2.9E+00	
301	6.46019	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.92E-05	1.1	10	0.96	70	0.85	2.5E-06	2.5E+00	
302	5.70985	2.8E-03	1.6E-02	1090	1	0.96	1E-06	1.70E-05	1.1	10	0.96	70	0.85	2.2E-06	2.2E+00	
303	4.74933	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.41E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
304	4.12897	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.23E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
305	3.61577	2.8E-03	1.0E-02	1090	1	0.96	1E-06	1.07E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
306	3.19086	2.8E-03	9.1E-03	1090	1	0.96	1E-06	9.48E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
307	0.67084	2.8E-03	1.9E-03	1090	1	0.96	1E-06	1.99E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
308	0.63953	2.8E-03	1.8E-03	1090	1	0.96	1E-06	1.90E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
309	0.41336	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.23E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
310	0.39837	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.18E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
311	0.28973	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.61E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
312	0.28111	2.8E-03	8.0E-04	1090	1	0.96	1E-06	8.35E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
313	0.27206	2.8E-03	7.7E-04	1090	1	0.96	1E-06	8.08E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
314	0.26413	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.85E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
315	0.25564	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.59E-07	1.1	10	0.96	70	0.85	9.8E-08	9.8E-02	
316	0.24777	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.36E-07	1.1	10	0.96	70	0.85	9.5E-08	9.5E-02	
317	0.24031	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.14E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
318	0.23315	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.93E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
319	3.0457	2.8E-03	8.7E-03	1090	1	0.96	1E-06	9.05E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
320	3.42317	2.8E-03	9.7E-03	1090	1	0.96	1E-06	1.02E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
321	3.87233	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.15E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
322	4.40852	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.31E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
323	5.05256	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.50E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
324	5.82353	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.73E-05	1.1	10	0.96	70	0.85	2.2E-06	2.2E+00	
325	14.82703	2.8E-03	4.2E-02	1090	1	0.96	1E-06	4.40E-05	1.1	10	0.96	70	0.85	5.7E-06	5.7E+00	
326	13.69186	2.8E-03	3.9E-02	1090	1	0.96	1E-06	4.07E-05	1.1	10	0.96	70	0.85	5.2E-06	5.2E+00	
327	12.59373	2.8E-03	3.6E-02	1090	1	0.96	1E-06	3.74E-05	1.1	10	0.96	70	0.85	4.8E-06	4.8E+00	
328	10.15927	2.8E-03	2.9E-02	1090	1	0.96	1E-06	3.02E-05	1.1	10	0.96	70	0.85	3.9E-06	3.9E+00	
329	8.49375	2.8E-03	2.4E-02	1090	1	0.96	1E-06	2.52E-05	1.1	10	0.96	70	0.85	3.2E-06	3.2E+00	
330	7.07969	2.8E-03	2.0E-02	1090	1	0.96	1E-06	2.10E-05	1.1	10	0.96	70	0.85	2.7E-06	2.7E+00	
331	5.95061	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.77E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
332	5.045	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.50E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
333	4.35104	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.29E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
334	3.78577	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.12E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
335	3.32349	2.8E-03	9.4E-03	1090	1	0.96	1E-06	9.87E-06	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
336	0.67624	2.8E-03	1.9E-03	1090	1	0.96	1E-06	2.01E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
337	0.6444	2.8E-03	1.8E-03	1090	1	0.96	1E-06	1.91E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
338	0.42291	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.26E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
339	0.40152	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.19E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
340	0.24077	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.15E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
341	0.23362	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.94E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
342	3.18996	2.8E-03	9.1E-03	1090	1	0.96	1E-06	9.48E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
343	3.61228	2.8E-03	1.0E-02	1090	1	0.96	1E-06	1.07E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
344	4.12406	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.22E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
345	4.75056	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.41E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
346	5.5249	2.8E-03	1.6E-02	1090	1	0.96	1E-06	1.64E-05	1.1	10	0.96	70	0.85	2.1E-06	2.1E+00	
347	6.48649	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.93E-05	1.1	10	0.96	70	0.85	2.5E-06	2.5E+00	
348	20.997	2.8E-03	6.0E-02	1090	1	0.96	1E-06	6.24E-05	1.1	10	0.96	70	0.85	8.0E-06	8.0E+00	
349	20.09432	2.8E-03	5.7E-02	1090	1	0.96	1E-06	5.97E-05	1.1	10	0.96	70	0.85	7.7E-06	7.7E+00	
350	17.64735	2.8E-03	5.0E-02	1090	1	0.96	1E-06	5.24E-05	1.1	10	0.96	70	0.85	6.7E-06	6.7E+00	
351	14.58593	2.8E-03	4.1E-02	1090	1	0.96	1E-06	4.33E-05	1.1	10	0.96	70	0.85	5.6E-06	5.6E+00	
352	11.75643	2.8E-03	3.3E-02	1090	1	0.96	1E-06	3.49E-05	1.1	10	0.96	70	0.85	4.5E-06	4.5E+00	
353	9.47431	2.8E-03	2.7E-02	1090	1	0.96	1E-06	2.81E-05	1.1	10	0.96	70	0.85	3.6E-06	3.6E+00	
354	7.70866	2.8E-03	2.2E-02	1090	1	0.96	1E-06	2.29E-05	1.1	10	0.96	70	0.85	2.9E-06	2.9E+00	
355	6.37238	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.89E-05	1.1	10	0.96	70	0.85	2.4E-06	2.4E+00	
356	5.13287	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.52E-05	1.1	10	0.96	70	0.85	2.0E-06	2.0E+00	
357	4.55798	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.35E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
358	3.94858	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.17E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
359	3.45042	2.8E-03	9.8E-03	1090	1	0.96	1E-06	1.02E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
360	0.94353	2.8E-03	2.7E-03	1090	1	0.96	1E-06	2.80E-06	1.1	10	0.96	70	0.85	3.6E-07	3.6E-01	
361	0.8894	2.8E-03	2.5E-03	1090	1	0.96	1E-06	2.64E-06	1.1	10	0.96	70	0.85	3.4E-07	3.4E-01	
362	0.68091	2.8E-03	1.9E-03	1090	1	0.96	1E-06	2.02E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
363	0.64861	2.8E-03	1.8E-03	1090	1	0.96	1E-06	1.93E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
364	0.42452	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.26E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
365	0.40897	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.21E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
366	0.33397	2.8E-03	9.5E-04	1090	1	0.96	1E-06	9.92E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
367	0.32319	2.8E-03	9.2E-04	1090	1	0.96	1E-06	9.60E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
368	0.31198	2.8E-03	8.9E-04	1090	1	0.96	1E-06	9.27E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
369	0.24045	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.14E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
370	0.23347	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.93E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
371	0.22631	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.72E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
372	0.2191	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.51E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
373	0.21227	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.31E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
374	0.20657	2.8E-03	5.9E-04	1090	1	0.96	1E-06	6.14E-07	1.1	10	0.96	70	0.85	7.9E-08	7.9E-02	
375	0.20071	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.96E-07	1.1	10	0.96	70	0.85	7.7E-08	7.7E-02	
376	0.1948	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.79E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
377	0.19009	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.65E-07	1.1	10	0.96	70	0.85	7.3E-08	7.3E-02	
378	3.31777	2.8E-03	9.4E-03	1090	1	0.96	1E-06	9.85E-06	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
379	3.78228	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.12E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
380	4.35555	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.29E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
381	5.07206	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.51E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
382	5.98173	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.78E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
383	7.15434	2.8E-03	2.0E-02	1090	1	0.96	1E-06	2.13E-05	1.1	10	0.96	70	0.85	2.7E-06	2.7E+00	
384	31.59039	2.8E-03	9.0E-02	1090	1	0.96	1E-06	9.38E-05	1.1	10	0.96	70	0.85	1.2E-05	1.2E+01	
385	28.56594	2.8E-03	8.1E-02	1090	1	0.96	1E-06	8.49E-05	1.1	10	0.96	70	0.85	1.1E-05	1.1E+01	
386	23.05947	2.8E-03	6.6E-02	1090	1	0.96	1E-06	6.85E-05	1.1	10	0.96	70	0.85	8.8E-06	8.8E+00	
387	17.6435	2.8E-03	5.0E-02	1090	1	0.96	1E-06	5.24E-05	1.1	10	0.96	70	0.85	6.7E-06	6.7E+00	
388	13.45707	2.8E-03	3.8E-02	1090	1	0.96	1E-06	4.00E-05	1.1	10	0.96	70	0.85	5.1E-06	5.1E+00	
389	10.44724	2.8E-03	3.0E-02	1090	1	0.96	1E-06	3.10E-05	1.1	10	0.96	70	0.85	4.0E-06	4.0E+00	
390	8.31472	2.8E-03	2.4E-02	1090	1	0.96	1E-06	2.47E-05	1.1	10	0.96	70	0.85	3.2E-06	3.2E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
391	6.77551	2.8E-03	1.9E-02	1090	1	0.96	1E-06	2.01E-05	1.1	10	0.96	70	0.85	2.6E-06	2.6E+00	
392	5.63571	2.8E-03	1.6E-02	1090	1	0.96	1E-06	1.67E-05	1.1	10	0.96	70	0.85	2.2E-06	2.2E+00	
393	4.77087	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.42E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
394	4.10271	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.22E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
395	3.56802	2.8E-03	1.0E-02	1090	1	0.96	1E-06	1.06E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
396	0.95138	2.8E-03	2.7E-03	1090	1	0.96	1E-06	2.83E-06	1.1	10	0.96	70	0.85	3.6E-07	3.6E-01	
397	0.89631	2.8E-03	2.5E-03	1090	1	0.96	1E-06	2.66E-06	1.1	10	0.96	70	0.85	3.4E-07	3.4E-01	
398	0.68478	2.8E-03	1.9E-03	1090	1	0.96	1E-06	2.03E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
399	0.65211	2.8E-03	1.9E-03	1090	1	0.96	1E-06	1.94E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
400	0.42912	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.27E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
401	0.41016	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.22E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
402	0.33469	2.8E-03	9.5E-04	1090	1	0.96	1E-06	9.94E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
403	0.32382	2.8E-03	9.2E-04	1090	1	0.96	1E-06	9.62E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
404	0.31258	2.8E-03	8.9E-04	1090	1	0.96	1E-06	9.28E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
405	0.24068	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.15E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
406	0.23269	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.91E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
407	0.22537	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.69E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
408	0.21922	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.51E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
409	0.21241	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.31E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
410	0.20591	2.8E-03	5.9E-04	1090	1	0.96	1E-06	6.12E-07	1.1	10	0.96	70	0.85	7.9E-08	7.9E-02	
411	0.2008	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.96E-07	1.1	10	0.96	70	0.85	7.7E-08	7.7E-02	
412	0.19487	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.79E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
413	0.19015	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.65E-07	1.1	10	0.96	70	0.85	7.3E-08	7.3E-02	
414	3.42252	2.8E-03	9.7E-03	1090	1	0.96	1E-06	1.02E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
415	3.92354	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.17E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
416	4.5504	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.35E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
417	5.34933	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.59E-05	1.1	10	0.96	70	0.85	2.0E-06	2.0E+00	
418	6.38855	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.90E-05	1.1	10	0.96	70	0.85	2.4E-06	2.4E+00	
419	7.77263	2.8E-03	2.2E-02	1090	1	0.96	1E-06	2.31E-05	1.1	10	0.96	70	0.85	3.0E-06	3.0E+00	
420	41.63588	2.8E-03	1.2E-01	1090	1	0.96	1E-06	1.24E-04	1.1	10	0.96	70	0.85	1.6E-05	1.6E+01	
421	52.46873	2.8E-03	1.5E-01	1090	1	0.96	1E-06	1.56E-04	1.1	10	0.96	70	0.85	2.0E-05	2.0E+01	
422	53.56662	2.8E-03	1.5E-01	1090	1	0.96	1E-06	1.59E-04	1.1	10	0.96	70	0.85	2.0E-05	2.0E+01	
423	42.79932	2.8E-03	1.2E-01	1090	1	0.96	1E-06	1.27E-04	1.1	10	0.96	70	0.85	1.6E-05	1.6E+01	
424	30.12604	2.8E-03	8.6E-02	1090	1	0.96	1E-06	8.95E-05	1.1	10	0.96	70	0.85	1.2E-05	1.2E+01	
425	20.95382	2.8E-03	6.0E-02	1090	1	0.96	1E-06	6.22E-05	1.1	10	0.96	70	0.85	8.0E-06	8.0E+00	
426	15.12463	2.8E-03	4.3E-02	1090	1	0.96	1E-06	4.49E-05	1.1	10	0.96	70	0.85	5.8E-06	5.8E+00	
427	11.36684	2.8E-03	3.2E-02	1090	1	0.96	1E-06	3.38E-05	1.1	10	0.96	70	0.85	4.3E-06	4.3E+00	
428	8.88159	2.8E-03	2.5E-02	1090	1	0.96	1E-06	2.64E-05	1.1	10	0.96	70	0.85	3.4E-06	3.4E+00	
429	7.14728	2.8E-03	2.0E-02	1090	1	0.96	1E-06	2.12E-05	1.1	10	0.96	70	0.85	2.7E-06	2.7E+00	
430	5.89226	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.75E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
431	4.95543	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.47E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
432	4.23485	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.26E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
433	3.66911	2.8E-03	1.0E-02	1090	1	0.96	1E-06	1.09E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
434	0.95758	2.8E-03	2.7E-03	1090	1	0.96	1E-06	2.84E-06	1.1	10	0.96	70	0.85	3.7E-07	3.7E-01	
435	0.9018	2.8E-03	2.6E-03	1090	1	0.96	1E-06	2.68E-06	1.1	10	0.96	70	0.85	3.4E-07	3.4E-01	
436	0.72359	2.8E-03	2.1E-03	1090	1	0.96	1E-06	2.15E-06	1.1	10	0.96	70	0.85	2.8E-07	2.8E-01	
437	0.68781	2.8E-03	2.0E-03	1090	1	0.96	1E-06	2.04E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
438	0.65486	2.8E-03	1.9E-03	1090	1	0.96	1E-06	1.95E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
439	0.44414	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.32E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
440	0.41105	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.22E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
441	0.33519	2.8E-03	9.5E-04	1090	1	0.96	1E-06	9.96E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
442	0.32376	2.8E-03	9.2E-04	1090	1	0.96	1E-06	9.62E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
443	0.313	2.8E-03	8.9E-04	1090	1	0.96	1E-06	9.30E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
444	0.30228	2.8E-03	8.6E-04	1090	1	0.96	1E-06	8.98E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
445	0.29301	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.70E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
446	0.28326	2.8E-03	8.0E-04	1090	1	0.96	1E-06	8.41E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
447	0.27548	2.8E-03	7.8E-04	1090	1	0.96	1E-06	8.18E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
448	0.26463	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.86E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
449	0.25653	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.62E-07	1.1	10	0.96	70	0.85	9.8E-08	9.8E-02	
450	0.24847	2.8E-03	7.1E-04	1090	1	0.96	1E-06	7.38E-07	1.1	10	0.96	70	0.85	9.5E-08	9.5E-02	
451	0.24084	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.15E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
452	0.23281	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.92E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
453	0.22517	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.69E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
454	0.21826	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.48E-07	1.1	10	0.96	70	0.85	8.3E-08	8.3E-02	
455	0.21245	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.31E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
456	0.20589	2.8E-03	5.9E-04	1090	1	0.96	1E-06	6.12E-07	1.1	10	0.96	70	0.85	7.9E-08	7.9E-02	
457	0.20081	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.96E-07	1.1	10	0.96	70	0.85	7.7E-08	7.7E-02	
458	0.19485	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.79E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
459	0.18962	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.63E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
460	3.4978	2.8E-03	9.9E-03	1090	1	0.96	1E-06	1.04E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
461	4.0285	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.20E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
462	4.69793	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.40E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
463	5.56252	2.8E-03	1.6E-02	1090	1	0.96	1E-06	1.65E-05	1.1	10	0.96	70	0.85	2.1E-06	2.1E+00	
464	6.70603	2.8E-03	1.9E-02	1090	1	0.96	1E-06	1.99E-05	1.1	10	0.96	70	0.85	2.6E-06	2.6E+00	
465	8.27199	2.8E-03	2.4E-02	1090	1	0.96	1E-06	2.46E-05	1.1	10	0.96	70	0.85	3.2E-06	3.2E+00	
466	76.85512	2.8E-03	2.2E-01	1090	1	0.96	1E-06	2.28E-04	1.1	10	0.96	70	0.85	2.9E-05	2.9E+01	
467	120.9431	2.8E-03	3.4E-01	1090	1	0.96	1E-06	3.59E-04	1.1	10	0.96	70	0.85	4.6E-05	4.6E+01	
468	112.9135	2.8E-03	3.2E-01	1090	1	0.96	1E-06	3.35E-04	1.1	10	0.96	70	0.85	4.3E-05	4.3E+01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
469	66.44562	2.8E-03	1.9E-01	1090	1	0.96	1E-06	1.97E-04	1.1	10	0.96	70	0.85	2.5E-05	2.5E+01	
470	38.23475	2.8E-03	1.1E-01	1090	1	0.96	1E-06	1.14E-04	1.1	10	0.96	70	0.85	1.5E-05	1.5E+01	
471	24.11804	2.8E-03	6.9E-02	1090	1	0.96	1E-06	7.16E-05	1.1	10	0.96	70	0.85	9.2E-06	9.2E+00	
472	16.60642	2.8E-03	4.7E-02	1090	1	0.96	1E-06	4.93E-05	1.1	10	0.96	70	0.85	6.3E-06	6.3E+00	
473	12.17368	2.8E-03	3.5E-02	1090	1	0.96	1E-06	3.62E-05	1.1	10	0.96	70	0.85	4.7E-06	4.7E+00	
474	9.36036	2.8E-03	2.7E-02	1090	1	0.96	1E-06	2.78E-05	1.1	10	0.96	70	0.85	3.6E-06	3.6E+00	
475	7.45716	2.8E-03	2.1E-02	1090	1	0.96	1E-06	2.22E-05	1.1	10	0.96	70	0.85	2.8E-06	2.8E+00	
476	6.10171	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.81E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
477	5.10233	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.52E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
478	4.34113	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.29E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
479	3.74768	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.11E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
480	0.72597	2.8E-03	2.1E-03	1090	1	0.96	1E-06	2.16E-06	1.1	10	0.96	70	0.85	2.8E-07	2.8E-01	
481	0.68994	2.8E-03	2.0E-03	1090	1	0.96	1E-06	2.05E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
482	0.65677	2.8E-03	1.9E-03	1090	1	0.96	1E-06	1.95E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
483	0.33548	2.8E-03	9.5E-04	1090	1	0.96	1E-06	9.96E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
484	0.32402	2.8E-03	9.2E-04	1090	1	0.96	1E-06	9.62E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
485	0.31324	2.8E-03	8.9E-04	1090	1	0.96	1E-06	9.30E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
486	0.30248	2.8E-03	8.6E-04	1090	1	0.96	1E-06	8.98E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
487	0.2932	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.71E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
488	0.28348	2.8E-03	8.1E-04	1090	1	0.96	1E-06	8.42E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
489	0.27557	2.8E-03	7.8E-04	1090	1	0.96	1E-06	8.19E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
490	0.26488	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.87E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
491	0.25656	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.62E-07	1.1	10	0.96	70	0.85	9.8E-08	9.8E-02	
492	0.2478	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.36E-07	1.1	10	0.96	70	0.85	9.5E-08	9.5E-02	
493	0.24	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.13E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
494	0.23282	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.92E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
495	0.22515	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.69E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
496	0.21795	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.47E-07	1.1	10	0.96	70	0.85	8.3E-08	8.3E-02	
497	0.2124	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.31E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
498	0.20581	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.11E-07	1.1	10	0.96	70	0.85	7.9E-08	7.9E-02	
499	0.20073	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.96E-07	1.1	10	0.96	70	0.85	7.7E-08	7.7E-02	
500	0.19476	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.79E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
501	0.18979	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.64E-07	1.1	10	0.96	70	0.85	7.3E-08	7.3E-02	
502	3.54054	2.8E-03	1.0E-02	1090	1	0.96	1E-06	1.05E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
503	4.08849	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.21E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
504	0.76658	2.8E-03	2.2E-03	1090	1	0.96	1E-06	2.28E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
505	0.72731	2.8E-03	2.1E-03	1090	1	0.96	1E-06	2.16E-06	1.1	10	0.96	70	0.85	2.8E-07	2.8E-01	
506	0.69114	2.8E-03	2.0E-03	1090	1	0.96	1E-06	2.05E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
507	0.65784	2.8E-03	1.9E-03	1090	1	0.96	1E-06	1.95E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
508	0.62703	2.8E-03	1.8E-03	1090	1	0.96	1E-06	1.86E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
509	0.31328	2.8E-03	8.9E-04	1090	1	0.96	1E-06	9.31E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
510	3.45221	2.8E-03	9.8E-03	1090	1	0.96	1E-06	1.03E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
511	4.09923	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.22E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
512	0.76688	2.8E-03	2.2E-03	1090	1	0.96	1E-06	2.28E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
513	0.72758	2.8E-03	2.1E-03	1090	1	0.96	1E-06	2.16E-06	1.1	10	0.96	70	0.85	2.8E-07	2.8E-01	
514	0.69137	2.8E-03	2.0E-03	1090	1	0.96	1E-06	2.05E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
515	0.65806	2.8E-03	1.9E-03	1090	1	0.96	1E-06	1.95E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
516	0.62725	2.8E-03	1.8E-03	1090	1	0.96	1E-06	1.86E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
517	0.31314	2.8E-03	8.9E-04	1090	1	0.96	1E-06	9.30E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
518	3.30815	2.8E-03	9.4E-03	1090	1	0.96	1E-06	9.83E-06	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
519	4.05588	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.20E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
520	0.72676	2.8E-03	2.1E-03	1090	1	0.96	1E-06	2.16E-06	1.1	10	0.96	70	0.85	2.8E-07	2.8E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
521	0.69066	2.8E-03	2.0E-03	1090	1	0.96	1E-06	2.05E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
522	0.6574	2.8E-03	1.9E-03	1090	1	0.96	1E-06	1.95E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
523	0.62668	2.8E-03	1.8E-03	1090	1	0.96	1E-06	1.86E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
524	0.31281	2.8E-03	8.9E-04	1090	1	0.96	1E-06	9.29E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
525	3.09983	2.8E-03	8.8E-03	1090	1	0.96	1E-06	9.21E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
526	3.68284	2.8E-03	1.0E-02	1090	1	0.96	1E-06	1.09E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
527	0.3123	2.8E-03	8.9E-04	1090	1	0.96	1E-06	9.28E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
528	0.41173	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.22E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
529	0.38104	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.13E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
530	0.36583	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
531	0.34862	2.8E-03	9.9E-04	1090	1	0.96	1E-06	1.04E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
532	0.33428	2.8E-03	9.5E-04	1090	1	0.96	1E-06	9.93E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
533	0.32297	2.8E-03	9.2E-04	1090	1	0.96	1E-06	9.59E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
534	0.31163	2.8E-03	8.9E-04	1090	1	0.96	1E-06	9.26E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
535	0.41056	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.22E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
536	0.3799	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.13E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
537	0.36687	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
538	0.34762	2.8E-03	9.9E-04	1090	1	0.96	1E-06	1.03E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
539	0.33333	2.8E-03	9.5E-04	1090	1	0.96	1E-06	9.90E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
540	0.32209	2.8E-03	9.2E-04	1090	1	0.96	1E-06	9.57E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
541	0.3108	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.23E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
542	0.40908	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.22E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
543	0.37852	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.12E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
544	0.36559	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
545	0.34642	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.03E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
546	0.33501	2.8E-03	9.5E-04	1090	1	0.96	1E-06	9.95E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
547	0.32104	2.8E-03	9.1E-04	1090	1	0.96	1E-06	9.54E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
548	0.31	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.21E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
549	0.4073	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.21E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
550	0.38162	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.13E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
551	0.36408	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.08E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
552	0.34503	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.02E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
553	0.33379	2.8E-03	9.5E-04	1090	1	0.96	1E-06	9.91E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
554	0.31983	2.8E-03	9.1E-04	1090	1	0.96	1E-06	9.50E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
555	0.30982	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.20E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
556	0.59821	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.78E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
557	0.57181	2.8E-03	1.6E-03	1090	1	0.96	1E-06	1.70E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
558	0.59677	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.77E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
559	0.57056	2.8E-03	1.6E-03	1090	1	0.96	1E-06	1.69E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
1	1.37E-03	5	2.75E-04	6.87E-02
2	1.29E-03	5	2.57E-04	
3	1.22E-03	5	2.45E-04	
4	1.18E-03	5	2.36E-04	
5	1.13E-03	5	2.26E-04	
6	1.09E-03	5	2.18E-04	
7	1.05E-03	5	2.10E-04	
8	1.01E-03	5	2.03E-04	
9	9.77E-04	5	1.95E-04	
10	9.46E-04	5	1.89E-04	
11	9.13E-04	5	1.83E-04	
12	8.86E-04	5	1.77E-04	
13	8.58E-04	5	1.72E-04	
14	8.30E-04	5	1.66E-04	
15	8.06E-04	5	1.61E-04	
16	7.80E-04	5	1.56E-04	
17	7.55E-04	5	1.51E-04	
18	7.33E-04	5	1.47E-04	
19	7.13E-04	5	1.43E-04	
20	6.90E-04	5	1.38E-04	
21	6.68E-04	5	1.34E-04	
22	6.51E-04	5	1.30E-04	
23	6.31E-04	5	1.26E-04	
24	6.13E-04	5	1.23E-04	
25	5.96E-04	5	1.19E-04	
26	5.79E-04	5	1.16E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
27	5.62E-04	5	1.12E-04	
28	5.47E-04	5	1.09E-04	
29	5.34E-04	5	1.07E-04	
30	5.19E-04	5	1.04E-04	
31	1.39E-03	5	2.78E-04	
32	1.30E-03	5	2.60E-04	
33	1.24E-03	5	2.47E-04	
34	1.19E-03	5	2.38E-04	
35	1.14E-03	5	2.27E-04	
36	1.10E-03	5	2.19E-04	
37	1.06E-03	5	2.11E-04	
38	1.02E-03	5	2.04E-04	
39	9.85E-04	5	1.97E-04	
40	9.52E-04	5	1.90E-04	
41	9.19E-04	5	1.84E-04	
42	8.93E-04	5	1.79E-04	
43	8.63E-04	5	1.73E-04	
44	8.38E-04	5	1.68E-04	
45	8.10E-04	5	1.62E-04	
46	7.86E-04	5	1.57E-04	
47	7.61E-04	5	1.52E-04	
48	7.38E-04	5	1.48E-04	
49	7.16E-04	5	1.43E-04	
50	6.93E-04	5	1.39E-04	
51	6.74E-04	5	1.35E-04	
52	6.54E-04	5	1.31E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
53	6.34E-04	5	1.27E-04	
54	6.16E-04	5	1.23E-04	
55	5.99E-04	5	1.20E-04	
56	5.81E-04	5	1.16E-04	
57	5.65E-04	5	1.13E-04	
58	5.51E-04	5	1.10E-04	
59	5.36E-04	5	1.07E-04	
60	5.21E-04	5	1.04E-04	
61	1.41E-03	5	2.81E-04	
62	1.31E-03	5	2.63E-04	
63	1.25E-03	5	2.50E-04	
64	1.20E-03	5	2.40E-04	
65	1.15E-03	5	2.30E-04	
66	1.11E-03	5	2.21E-04	
67	1.07E-03	5	2.13E-04	
68	1.03E-03	5	2.06E-04	
69	9.94E-04	5	1.99E-04	
70	9.59E-04	5	1.92E-04	
71	9.28E-04	5	1.86E-04	
72	8.99E-04	5	1.80E-04	
73	8.69E-04	5	1.74E-04	
74	8.43E-04	5	1.69E-04	
75	8.15E-04	5	1.63E-04	
76	7.91E-04	5	1.58E-04	
77	7.66E-04	5	1.53E-04	
78	7.41E-04	5	1.48E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
79	7.20E-04	5	1.44E-04	
80	6.97E-04	5	1.39E-04	
81	6.78E-04	5	1.36E-04	
82	6.57E-04	5	1.31E-04	
83	6.38E-04	5	1.28E-04	
84	6.20E-04	5	1.24E-04	
85	6.02E-04	5	1.20E-04	
86	5.84E-04	5	1.17E-04	
87	5.68E-04	5	1.14E-04	
88	5.53E-04	5	1.11E-04	
89	5.38E-04	5	1.08E-04	
90	5.23E-04	5	1.05E-04	
91	1.42E-03	5	2.85E-04	
92	1.33E-03	5	2.65E-04	
93	1.28E-03	5	2.55E-04	
94	1.21E-03	5	2.42E-04	
95	1.16E-03	5	2.33E-04	
96	1.11E-03	5	2.23E-04	
97	1.08E-03	5	2.15E-04	
98	1.04E-03	5	2.07E-04	
99	1.00E-03	5	2.00E-04	
100	9.65E-04	5	1.93E-04	
101	9.34E-04	5	1.87E-04	
102	9.04E-04	5	1.81E-04	
103	8.75E-04	5	1.75E-04	
104	8.47E-04	5	1.69E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
105	8.20E-04	5	1.64E-04	
106	7.96E-04	5	1.59E-04	
107	7.70E-04	5	1.54E-04	
108	7.44E-04	5	1.49E-04	
109	7.26E-04	5	1.45E-04	
110	7.02E-04	5	1.40E-04	
111	6.82E-04	5	1.36E-04	
112	6.60E-04	5	1.32E-04	
113	6.43E-04	5	1.29E-04	
114	6.23E-04	5	1.25E-04	
115	6.04E-04	5	1.21E-04	
116	5.88E-04	5	1.18E-04	
117	5.72E-04	5	1.14E-04	
118	5.56E-04	5	1.11E-04	
119	5.40E-04	5	1.08E-04	
120	5.27E-04	5	1.05E-04	
121	1.44E-03	5	2.88E-04	
122	1.34E-03	5	2.69E-04	
123	1.29E-03	5	2.57E-04	
124	1.22E-03	5	2.44E-04	
125	1.17E-03	5	2.35E-04	
126	1.13E-03	5	2.26E-04	
127	1.08E-03	5	2.17E-04	
128	1.05E-03	5	2.09E-04	
129	1.01E-03	5	2.01E-04	
130	9.74E-04	5	1.95E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
131	9.40E-04	5	1.88E-04	
132	9.10E-04	5	1.82E-04	
133	8.79E-04	5	1.76E-04	
134	8.50E-04	5	1.70E-04	
135	8.24E-04	5	1.65E-04	
136	8.00E-04	5	1.60E-04	
137	7.74E-04	5	1.55E-04	
138	7.53E-04	5	1.51E-04	
139	7.31E-04	5	1.46E-04	
140	7.07E-04	5	1.41E-04	
141	6.85E-04	5	1.37E-04	
142	6.66E-04	5	1.33E-04	
143	6.46E-04	5	1.29E-04	
144	6.25E-04	5	1.25E-04	
145	6.08E-04	5	1.22E-04	
146	5.91E-04	5	1.18E-04	
147	5.74E-04	5	1.15E-04	
148	5.58E-04	5	1.12E-04	
149	5.44E-04	5	1.09E-04	
150	5.29E-04	5	1.06E-04	
151	1.45E-03	5	2.91E-04	
152	1.40E-03	5	2.79E-04	
153	1.30E-03	5	2.59E-04	
154	1.25E-03	5	2.50E-04	
155	1.18E-03	5	2.37E-04	
156	1.14E-03	5	2.28E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
157	1.09E-03	5	2.18E-04	
158	1.05E-03	5	2.10E-04	
159	1.01E-03	5	2.03E-04	
160	9.80E-04	5	1.96E-04	
161	9.45E-04	5	1.89E-04	
162	9.15E-04	5	1.83E-04	
163	8.84E-04	5	1.77E-04	
164	8.57E-04	5	1.71E-04	
165	8.30E-04	5	1.66E-04	
166	8.04E-04	5	1.61E-04	
167	7.78E-04	5	1.56E-04	
168	7.56E-04	5	1.51E-04	
169	7.34E-04	5	1.47E-04	
170	7.11E-04	5	1.42E-04	
171	6.88E-04	5	1.38E-04	
172	6.69E-04	5	1.34E-04	
173	6.48E-04	5	1.30E-04	
174	6.30E-04	5	1.26E-04	
175	6.12E-04	5	1.22E-04	
176	5.94E-04	5	1.19E-04	
177	5.77E-04	5	1.15E-04	
178	5.62E-04	5	1.12E-04	
179	5.46E-04	5	1.09E-04	
180	5.31E-04	5	1.06E-04	
181	1.47E-03	5	2.94E-04	
182	1.41E-03	5	2.82E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
183	1.31E-03	5	2.62E-04	
184	1.26E-03	5	2.52E-04	
185	1.19E-03	5	2.38E-04	
186	1.15E-03	5	2.30E-04	
187	1.10E-03	5	2.20E-04	
188	1.06E-03	5	2.12E-04	
189	1.02E-03	5	2.04E-04	
190	9.86E-04	5	1.97E-04	
191	9.50E-04	5	1.90E-04	
192	9.20E-04	5	1.84E-04	
193	8.89E-04	5	1.78E-04	
194	8.61E-04	5	1.72E-04	
195	8.35E-04	5	1.67E-04	
196	8.08E-04	5	1.62E-04	
197	7.85E-04	5	1.57E-04	
198	7.60E-04	5	1.52E-04	
199	7.37E-04	5	1.47E-04	
200	7.13E-04	5	1.43E-04	
201	6.34E-04	5	1.27E-04	
202	6.14E-04	5	1.23E-04	
203	5.97E-04	5	1.19E-04	
204	5.81E-04	5	1.16E-04	
205	5.64E-04	5	1.13E-04	
206	5.48E-04	5	1.10E-04	
207	5.32E-04	5	1.06E-04	
208	1.48E-03	5	2.96E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
209	1.42E-03	5	2.85E-04	
210	1.32E-03	5	2.65E-04	
211	1.27E-03	5	2.54E-04	
212	1.20E-03	5	2.40E-04	
213	1.16E-03	5	2.31E-04	
214	1.10E-03	5	2.21E-04	
215	1.07E-03	5	2.13E-04	
216	1.03E-03	5	2.05E-04	
217	9.91E-04	5	1.98E-04	
218	9.58E-04	5	1.92E-04	
219	9.25E-04	5	1.85E-04	
220	8.96E-04	5	1.79E-04	
221	8.67E-04	5	1.73E-04	
222	8.39E-04	5	1.68E-04	
223	8.14E-04	5	1.63E-04	
224	7.88E-04	5	1.58E-04	
225	7.63E-04	5	1.53E-04	
226	7.40E-04	5	1.48E-04	
227	7.16E-04	5	1.43E-04	
228	6.36E-04	5	1.27E-04	
229	6.16E-04	5	1.23E-04	
230	6.01E-04	5	1.20E-04	
231	5.83E-04	5	1.17E-04	
232	5.66E-04	5	1.13E-04	
233	5.49E-04	5	1.10E-04	
234	5.36E-04	5	1.07E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
235	7.30E-03	5	1.46E-03	
236	8.01E-03	5	1.60E-03	
237	8.80E-03	5	1.76E-03	
238	9.69E-03	5	1.94E-03	
239	1.07E-02	5	2.14E-03	
240	1.18E-02	5	2.35E-03	
241	2.08E-02	5	4.16E-03	
242	2.11E-02	5	4.21E-03	
243	2.25E-02	5	4.50E-03	
244	2.20E-02	5	4.41E-03	
245	1.84E-02	5	3.68E-03	
246	1.68E-02	5	3.35E-03	
247	1.50E-02	5	3.01E-03	
248	1.33E-02	5	2.67E-03	
249	1.18E-02	5	2.36E-03	
250	1.05E-02	5	2.09E-03	
251	9.30E-03	5	1.86E-03	
252	8.30E-03	5	1.66E-03	
253	1.16E-03	5	2.32E-04	
254	1.11E-03	5	2.22E-04	
255	8.18E-04	5	1.64E-04	
256	7.91E-04	5	1.58E-04	
257	7.68E-04	5	1.54E-04	
258	7.44E-04	5	1.49E-04	
259	7.20E-04	5	1.44E-04	
260	7.00E-04	5	1.40E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
261	6.77E-04	5	1.35E-04	
262	6.59E-04	5	1.32E-04	
263	7.76E-03	5	1.55E-03	
264	8.58E-03	5	1.72E-03	
265	9.52E-03	5	1.90E-03	
266	1.06E-02	5	2.12E-03	
267	1.18E-02	5	2.36E-03	
268	1.32E-02	5	2.63E-03	
269	2.79E-02	5	5.58E-03	
270	2.81E-02	5	5.62E-03	
271	2.68E-02	5	5.37E-03	
272	2.30E-02	5	4.60E-03	
273	1.90E-02	5	3.80E-03	
274	1.66E-02	5	3.33E-03	
275	1.49E-02	5	2.98E-03	
276	1.27E-02	5	2.53E-03	
277	1.11E-02	5	2.22E-03	
278	9.79E-03	5	1.96E-03	
279	8.69E-03	5	1.74E-03	
280	1.17E-03	5	2.34E-04	
281	1.12E-03	5	2.24E-04	
282	8.21E-04	5	1.64E-04	
283	7.96E-04	5	1.59E-04	
284	7.71E-04	5	1.54E-04	
285	7.48E-04	5	1.50E-04	
286	7.23E-04	5	1.45E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
287	7.02E-04	5	1.40E-04	
288	6.79E-04	5	1.36E-04	
289	6.61E-04	5	1.32E-04	
290	8.22E-03	5	1.64E-03	
291	9.16E-03	5	1.83E-03	
292	1.03E-02	5	2.05E-03	
293	1.15E-02	5	2.31E-03	
294	1.30E-02	5	2.61E-03	
295	1.48E-02	5	2.96E-03	
296	3.24E-02	5	6.47E-03	
297	3.51E-02	5	7.01E-03	
298	3.19E-02	5	6.37E-03	
299	2.54E-02	5	5.08E-03	
300	2.15E-02	5	4.29E-03	
301	1.84E-02	5	3.67E-03	
302	1.62E-02	5	3.25E-03	
303	1.35E-02	5	2.70E-03	
304	1.17E-02	5	2.35E-03	
305	1.03E-02	5	2.06E-03	
306	9.07E-03	5	1.81E-03	
307	1.91E-03	5	3.81E-04	
308	1.82E-03	5	3.63E-04	
309	1.17E-03	5	2.35E-04	
310	1.13E-03	5	2.26E-04	
311	8.23E-04	5	1.65E-04	
312	7.99E-04	5	1.60E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
313	7.73E-04	5	1.55E-04	
314	7.51E-04	5	1.50E-04	
315	7.26E-04	5	1.45E-04	
316	7.04E-04	5	1.41E-04	
317	6.83E-04	5	1.37E-04	
318	6.63E-04	5	1.33E-04	
319	8.66E-03	5	1.73E-03	
320	9.73E-03	5	1.95E-03	
321	1.10E-02	5	2.20E-03	
322	1.25E-02	5	2.51E-03	
323	1.44E-02	5	2.87E-03	
324	1.65E-02	5	3.31E-03	
325	4.21E-02	5	8.43E-03	
326	3.89E-02	5	7.78E-03	
327	3.58E-02	5	7.16E-03	
328	2.89E-02	5	5.77E-03	
329	2.41E-02	5	4.83E-03	
330	2.01E-02	5	4.02E-03	
331	1.69E-02	5	3.38E-03	
332	1.43E-02	5	2.87E-03	
333	1.24E-02	5	2.47E-03	
334	1.08E-02	5	2.15E-03	
335	9.44E-03	5	1.89E-03	
336	1.92E-03	5	3.84E-04	
337	1.83E-03	5	3.66E-04	
338	1.20E-03	5	2.40E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
339	1.14E-03	5	2.28E-04	
340	6.84E-04	5	1.37E-04	
341	6.64E-04	5	1.33E-04	
342	9.07E-03	5	1.81E-03	
343	1.03E-02	5	2.05E-03	
344	1.17E-02	5	2.34E-03	
345	1.35E-02	5	2.70E-03	
346	1.57E-02	5	3.14E-03	
347	1.84E-02	5	3.69E-03	
348	5.97E-02	5	1.19E-02	
349	5.71E-02	5	1.14E-02	
350	5.02E-02	5	1.00E-02	
351	4.15E-02	5	8.29E-03	
352	3.34E-02	5	6.68E-03	
353	2.69E-02	5	5.38E-03	
354	2.19E-02	5	4.38E-03	
355	1.81E-02	5	3.62E-03	
356	1.46E-02	5	2.92E-03	
357	1.30E-02	5	2.59E-03	
358	1.12E-02	5	2.24E-03	
359	9.81E-03	5	1.96E-03	
360	2.68E-03	5	5.36E-04	
361	2.53E-03	5	5.06E-04	
362	1.94E-03	5	3.87E-04	
363	1.84E-03	5	3.69E-04	
364	1.21E-03	5	2.41E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
365	1.16E-03	5	2.32E-04	
366	9.49E-04	5	1.90E-04	
367	9.18E-04	5	1.84E-04	
368	8.87E-04	5	1.77E-04	
369	6.83E-04	5	1.37E-04	
370	6.63E-04	5	1.33E-04	
371	6.43E-04	5	1.29E-04	
372	6.23E-04	5	1.25E-04	
373	6.03E-04	5	1.21E-04	
374	5.87E-04	5	1.17E-04	
375	5.70E-04	5	1.14E-04	
376	5.54E-04	5	1.11E-04	
377	5.40E-04	5	1.08E-04	
378	9.43E-03	5	1.89E-03	
379	1.07E-02	5	2.15E-03	
380	1.24E-02	5	2.48E-03	
381	1.44E-02	5	2.88E-03	
382	1.70E-02	5	3.40E-03	
383	2.03E-02	5	4.07E-03	
384	8.98E-02	5	1.80E-02	
385	8.12E-02	5	1.62E-02	
386	6.55E-02	5	1.31E-02	
387	5.01E-02	5	1.00E-02	
388	3.82E-02	5	7.65E-03	
389	2.97E-02	5	5.94E-03	
390	2.36E-02	5	4.73E-03	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
391	1.93E-02	5	3.85E-03	
392	1.60E-02	5	3.20E-03	
393	1.36E-02	5	2.71E-03	
394	1.17E-02	5	2.33E-03	
395	1.01E-02	5	2.03E-03	
396	2.70E-03	5	5.41E-04	
397	2.55E-03	5	5.09E-04	
398	1.95E-03	5	3.89E-04	
399	1.85E-03	5	3.71E-04	
400	1.22E-03	5	2.44E-04	
401	1.17E-03	5	2.33E-04	
402	9.51E-04	5	1.90E-04	
403	9.20E-04	5	1.84E-04	
404	8.88E-04	5	1.78E-04	
405	6.84E-04	5	1.37E-04	
406	6.61E-04	5	1.32E-04	
407	6.40E-04	5	1.28E-04	
408	6.23E-04	5	1.25E-04	
409	6.04E-04	5	1.21E-04	
410	5.85E-04	5	1.17E-04	
411	5.71E-04	5	1.14E-04	
412	5.54E-04	5	1.11E-04	
413	5.40E-04	5	1.08E-04	
414	9.73E-03	5	1.95E-03	
415	1.12E-02	5	2.23E-03	
416	1.29E-02	5	2.59E-03	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
417	1.52E-02	5	3.04E-03	
418	1.82E-02	5	3.63E-03	
419	2.21E-02	5	4.42E-03	
420	1.18E-01	5	2.37E-02	
421	1.49E-01	5	2.98E-02	
422	1.52E-01	5	3.04E-02	
423	1.22E-01	5	2.43E-02	
424	8.56E-02	5	1.71E-02	
425	5.95E-02	5	1.19E-02	
426	4.30E-02	5	8.60E-03	
427	3.23E-02	5	6.46E-03	
428	2.52E-02	5	5.05E-03	
429	2.03E-02	5	4.06E-03	
430	1.67E-02	5	3.35E-03	
431	1.41E-02	5	2.82E-03	
432	1.20E-02	5	2.41E-03	
433	1.04E-02	5	2.09E-03	
434	2.72E-03	5	5.44E-04	
435	2.56E-03	5	5.13E-04	
436	2.06E-03	5	4.11E-04	
437	1.95E-03	5	3.91E-04	
438	1.86E-03	5	3.72E-04	
439	1.26E-03	5	2.52E-04	
440	1.17E-03	5	2.34E-04	
441	9.53E-04	5	1.91E-04	
442	9.20E-04	5	1.84E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
443	8.90E-04	5	1.78E-04	
444	8.59E-04	5	1.72E-04	
445	8.33E-04	5	1.67E-04	
446	8.05E-04	5	1.61E-04	
447	7.83E-04	5	1.57E-04	
448	7.52E-04	5	1.50E-04	
449	7.29E-04	5	1.46E-04	
450	7.06E-04	5	1.41E-04	
451	6.84E-04	5	1.37E-04	
452	6.62E-04	5	1.32E-04	
453	6.40E-04	5	1.28E-04	
454	6.20E-04	5	1.24E-04	
455	6.04E-04	5	1.21E-04	
456	5.85E-04	5	1.17E-04	
457	5.71E-04	5	1.14E-04	
458	5.54E-04	5	1.11E-04	
459	5.39E-04	5	1.08E-04	
460	9.94E-03	5	1.99E-03	
461	1.14E-02	5	2.29E-03	
462	1.34E-02	5	2.67E-03	
463	1.58E-02	5	3.16E-03	
464	1.91E-02	5	3.81E-03	
465	2.35E-02	5	4.70E-03	
466	2.18E-01	5	4.37E-02	
467	3.44E-01	5	6.87E-02	
468	3.21E-01	5	6.42E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
469	1.89E-01	5	3.78E-02	
470	1.09E-01	5	2.17E-02	
471	6.85E-02	5	1.37E-02	
472	4.72E-02	5	9.44E-03	
473	3.46E-02	5	6.92E-03	
474	2.66E-02	5	5.32E-03	
475	2.12E-02	5	4.24E-03	
476	1.73E-02	5	3.47E-03	
477	1.45E-02	5	2.90E-03	
478	1.23E-02	5	2.47E-03	
479	1.07E-02	5	2.13E-03	
480	2.06E-03	5	4.13E-04	
481	1.96E-03	5	3.92E-04	
482	1.87E-03	5	3.73E-04	
483	9.53E-04	5	1.91E-04	
484	9.21E-04	5	1.84E-04	
485	8.90E-04	5	1.78E-04	
486	8.60E-04	5	1.72E-04	
487	8.33E-04	5	1.67E-04	
488	8.06E-04	5	1.61E-04	
489	7.83E-04	5	1.57E-04	
490	7.53E-04	5	1.51E-04	
491	7.29E-04	5	1.46E-04	
492	7.04E-04	5	1.41E-04	
493	6.82E-04	5	1.36E-04	
494	6.62E-04	5	1.32E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
495	6.40E-04	5	1.28E-04	
496	6.19E-04	5	1.24E-04	
497	6.04E-04	5	1.21E-04	
498	5.85E-04	5	1.17E-04	
499	5.70E-04	5	1.14E-04	
500	5.53E-04	5	1.11E-04	
501	5.39E-04	5	1.08E-04	
502	1.01E-02	5	2.01E-03	
503	1.16E-02	5	2.32E-03	
504	2.18E-03	5	4.36E-04	
505	2.07E-03	5	4.13E-04	
506	1.96E-03	5	3.93E-04	
507	1.87E-03	5	3.74E-04	
508	1.78E-03	5	3.56E-04	
509	8.90E-04	5	1.78E-04	
510	9.81E-03	5	1.96E-03	
511	1.16E-02	5	2.33E-03	
512	2.18E-03	5	4.36E-04	
513	2.07E-03	5	4.14E-04	
514	1.96E-03	5	3.93E-04	
515	1.87E-03	5	3.74E-04	
516	1.78E-03	5	3.57E-04	
517	8.90E-04	5	1.78E-04	
518	9.40E-03	5	1.88E-03	
519	1.15E-02	5	2.31E-03	
520	2.07E-03	5	4.13E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
521	1.96E-03	5	3.93E-04	
522	1.87E-03	5	3.74E-04	
523	1.78E-03	5	3.56E-04	
524	8.89E-04	5	1.78E-04	
525	8.81E-03	5	1.76E-03	
526	1.05E-02	5	2.09E-03	
527	8.88E-04	5	1.78E-04	
528	1.17E-03	5	2.34E-04	
529	1.08E-03	5	2.17E-04	
530	1.04E-03	5	2.08E-04	
531	9.91E-04	5	1.98E-04	
532	9.50E-04	5	1.90E-04	
533	9.18E-04	5	1.84E-04	
534	8.86E-04	5	1.77E-04	
535	1.17E-03	5	2.33E-04	
536	1.08E-03	5	2.16E-04	
537	1.04E-03	5	2.09E-04	
538	9.88E-04	5	1.98E-04	
539	9.47E-04	5	1.89E-04	
540	9.15E-04	5	1.83E-04	
541	8.83E-04	5	1.77E-04	
542	1.16E-03	5	2.33E-04	
543	1.08E-03	5	2.15E-04	
544	1.04E-03	5	2.08E-04	
545	9.84E-04	5	1.97E-04	
546	9.52E-04	5	1.90E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
547	9.12E-04	5	1.82E-04	
548	8.81E-04	5	1.76E-04	
549	1.16E-03	5	2.31E-04	
550	1.08E-03	5	2.17E-04	
551	1.03E-03	5	2.07E-04	
552	9.81E-04	5	1.96E-04	
553	9.49E-04	5	1.90E-04	
554	9.09E-04	5	1.82E-04	
555	8.80E-04	5	1.76E-04	
556	1.70E-03	5	3.40E-04	
557	1.63E-03	5	3.25E-04	
558	1.70E-03	5	3.39E-04	
559	1.62E-03	5	3.24E-04	

Unmitigated Risk from Facility Location 3

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
1	0.44239	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.31E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	**35.63**
2	0.42104	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.25E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
3	0.39428	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.17E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
4	0.38068	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.13E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
5	0.365	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.08E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
6	0.35285	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.05E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
7	0.34041	2.8E-03	9.7E-04	1090	1	0.96	1E-06	1.01E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
8	0.3295	2.8E-03	9.4E-04	1090	1	0.96	1E-06	9.79E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
9	0.31826	2.8E-03	9.0E-04	1090	1	0.96	1E-06	9.45E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
10	0.30848	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.16E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
11	0.29832	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.86E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
12	0.28995	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.61E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
13	0.28106	2.8E-03	8.0E-04	1090	1	0.96	1E-06	8.35E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
14	0.27218	2.8E-03	7.7E-04	1090	1	0.96	1E-06	8.08E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
15	0.26459	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.86E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
16	0.25654	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.62E-07	1.1	10	0.96	70	0.85	9.8E-08	9.8E-02	
17	0.24861	2.8E-03	7.1E-04	1090	1	0.96	1E-06	7.38E-07	1.1	10	0.96	70	0.85	9.5E-08	9.5E-02	
18	0.24183	2.8E-03	6.9E-04	1090	1	0.96	1E-06	7.18E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
19	0.23536	2.8E-03	6.7E-04	1090	1	0.96	1E-06	6.99E-07	1.1	10	0.96	70	0.85	9.0E-08	9.0E-02	
20	0.22811	2.8E-03	6.5E-04	1090	1	0.96	1E-06	6.78E-07	1.1	10	0.96	70	0.85	8.7E-08	8.7E-02	
21	0.22114	2.8E-03	6.3E-04	1090	1	0.96	1E-06	6.57E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
22	0.21561	2.8E-03	6.1E-04	1090	1	0.96	1E-06	6.40E-07	1.1	10	0.96	70	0.85	8.2E-08	8.2E-02	
23	0.20915	2.8E-03	5.9E-04	1090	1	0.96	1E-06	6.21E-07	1.1	10	0.96	70	0.85	8.0E-08	8.0E-02	
24	0.2035	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.04E-07	1.1	10	0.96	70	0.85	7.8E-08	7.8E-02	
25	0.19809	2.8E-03	5.6E-04	1090	1	0.96	1E-06	5.88E-07	1.1	10	0.96	70	0.85	7.6E-08	7.6E-02	
26	0.1925	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.72E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
27	0.18715	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.56E-07	1.1	10	0.96	70	0.85	7.1E-08	7.1E-02	
28	0.18207	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.41E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
29	0.17791	2.8E-03	5.1E-04	1090	1	0.96	1E-06	5.28E-07	1.1	10	0.96	70	0.85	6.8E-08	6.8E-02	
30	0.17321	2.8E-03	4.9E-04	1090	1	0.96	1E-06	5.14E-07	1.1	10	0.96	70	0.85	6.6E-08	6.6E-02	
31	0.44742	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.33E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
32	0.4253	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.26E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
33	0.39756	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.18E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
34	0.38371	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.14E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
35	0.36772	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
36	0.35544	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
37	0.34277	2.8E-03	9.7E-04	1090	1	0.96	1E-06	1.02E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
38	0.33177	2.8E-03	9.4E-04	1090	1	0.96	1E-06	9.85E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
39	0.32052	2.8E-03	9.1E-04	1090	1	0.96	1E-06	9.52E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
40	0.31044	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.22E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
41	0.30015	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.92E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
42	0.29208	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.68E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
43	0.28271	2.8E-03	8.0E-04	1090	1	0.96	1E-06	8.40E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
44	0.2746	2.8E-03	7.8E-04	1090	1	0.96	1E-06	8.16E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
45	0.26605	2.8E-03	7.6E-04	1090	1	0.96	1E-06	7.90E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
46	0.25846	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.68E-07	1.1	10	0.96	70	0.85	9.9E-08	9.9E-02	
47	0.25047	2.8E-03	7.1E-04	1090	1	0.96	1E-06	7.44E-07	1.1	10	0.96	70	0.85	9.6E-08	9.6E-02	
48	0.24336	2.8E-03	6.9E-04	1090	1	0.96	1E-06	7.23E-07	1.1	10	0.96	70	0.85	9.3E-08	9.3E-02	
49	0.23645	2.8E-03	6.7E-04	1090	1	0.96	1E-06	7.02E-07	1.1	10	0.96	70	0.85	9.0E-08	9.0E-02	
50	0.2292	2.8E-03	6.5E-04	1090	1	0.96	1E-06	6.81E-07	1.1	10	0.96	70	0.85	8.8E-08	8.8E-02	
51	0.22305	2.8E-03	6.3E-04	1090	1	0.96	1E-06	6.63E-07	1.1	10	0.96	70	0.85	8.5E-08	8.5E-02	
52	0.21658	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.43E-07	1.1	10	0.96	70	0.85	8.3E-08	8.3E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
53	0.21006	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.24E-07	1.1	10	0.96	70	0.85	8.0E-08	8.0E-02	
54	0.2044	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.07E-07	1.1	10	0.96	70	0.85	7.8E-08	7.8E-02	
55	0.19898	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.91E-07	1.1	10	0.96	70	0.85	7.6E-08	7.6E-02	
56	0.19328	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.74E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
57	0.18788	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.58E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
58	0.18332	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.45E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
59	0.17858	2.8E-03	5.1E-04	1090	1	0.96	1E-06	5.30E-07	1.1	10	0.96	70	0.85	6.8E-08	6.8E-02	
60	0.17384	2.8E-03	4.9E-04	1090	1	0.96	1E-06	5.16E-07	1.1	10	0.96	70	0.85	6.6E-08	6.6E-02	
61	0.45234	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.34E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
62	0.42946	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.28E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
63	0.40254	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.20E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
64	0.38672	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.15E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
65	0.37095	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.10E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
66	0.35797	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
67	0.34586	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.03E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
68	0.33397	2.8E-03	9.5E-04	1090	1	0.96	1E-06	9.92E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
69	0.32341	2.8E-03	9.2E-04	1090	1	0.96	1E-06	9.61E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
70	0.31238	2.8E-03	8.9E-04	1090	1	0.96	1E-06	9.28E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
71	0.30287	2.8E-03	8.6E-04	1090	1	0.96	1E-06	9.00E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
72	0.29382	2.8E-03	8.4E-04	1090	1	0.96	1E-06	8.73E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
73	0.28433	2.8E-03	8.1E-04	1090	1	0.96	1E-06	8.45E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
74	0.27614	2.8E-03	7.8E-04	1090	1	0.96	1E-06	8.20E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
75	0.2675	2.8E-03	7.6E-04	1090	1	0.96	1E-06	7.95E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
76	0.26009	2.8E-03	7.4E-04	1090	1	0.96	1E-06	7.73E-07	1.1	10	0.96	70	0.85	9.9E-08	9.9E-02	
77	0.25222	2.8E-03	7.2E-04	1090	1	0.96	1E-06	7.49E-07	1.1	10	0.96	70	0.85	9.6E-08	9.6E-02	
78	0.24442	2.8E-03	6.9E-04	1090	1	0.96	1E-06	7.26E-07	1.1	10	0.96	70	0.85	9.3E-08	9.3E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
79	0.2378	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.06E-07	1.1	10	0.96	70	0.85	9.1E-08	9.1E-02	
80	0.23045	2.8E-03	6.5E-04	1090	1	0.96	1E-06	6.85E-07	1.1	10	0.96	70	0.85	8.8E-08	8.8E-02	
81	0.22446	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.67E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
82	0.21758	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.46E-07	1.1	10	0.96	70	0.85	8.3E-08	8.3E-02	
83	0.21155	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.28E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
84	0.20581	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.11E-07	1.1	10	0.96	70	0.85	7.9E-08	7.9E-02	
85	0.19979	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.93E-07	1.1	10	0.96	70	0.85	7.6E-08	7.6E-02	
86	0.19404	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.76E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
87	0.18902	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.61E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
88	0.18426	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.47E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
89	0.17923	2.8E-03	5.1E-04	1090	1	0.96	1E-06	5.32E-07	1.1	10	0.96	70	0.85	6.8E-08	6.8E-02	
90	0.17445	2.8E-03	5.0E-04	1090	1	0.96	1E-06	5.18E-07	1.1	10	0.96	70	0.85	6.7E-08	6.7E-02	
91	0.45712	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.36E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
92	0.43351	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.29E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
93	0.41808	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.24E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
94	0.38967	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.16E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
95	0.37624	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.12E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
96	0.36046	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.07E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
97	0.34853	2.8E-03	9.9E-04	1090	1	0.96	1E-06	1.04E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
98	0.33633	2.8E-03	9.6E-04	1090	1	0.96	1E-06	9.99E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
99	0.32546	2.8E-03	9.2E-04	1090	1	0.96	1E-06	9.67E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
100	0.31429	2.8E-03	8.9E-04	1090	1	0.96	1E-06	9.34E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
101	0.30467	2.8E-03	8.7E-04	1090	1	0.96	1E-06	9.05E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
102	0.29552	2.8E-03	8.4E-04	1090	1	0.96	1E-06	8.78E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
103	0.28634	2.8E-03	8.1E-04	1090	1	0.96	1E-06	8.51E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
104	0.27766	2.8E-03	7.9E-04	1090	1	0.96	1E-06	8.25E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
105	0.26895	2.8E-03	7.6E-04	1090	1	0.96	1E-06	7.99E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
106	0.26144	2.8E-03	7.4E-04	1090	1	0.96	1E-06	7.77E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
107	0.25343	2.8E-03	7.2E-04	1090	1	0.96	1E-06	7.53E-07	1.1	10	0.96	70	0.85	9.7E-08	9.7E-02	
108	0.2454	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.29E-07	1.1	10	0.96	70	0.85	9.4E-08	9.4E-02	
109	0.23953	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.11E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
110	0.23181	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.89E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
111	0.22547	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.70E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
112	0.21856	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.49E-07	1.1	10	0.96	70	0.85	8.3E-08	8.3E-02	
113	0.21309	2.8E-03	6.1E-04	1090	1	0.96	1E-06	6.33E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
114	0.20664	2.8E-03	5.9E-04	1090	1	0.96	1E-06	6.14E-07	1.1	10	0.96	70	0.85	7.9E-08	7.9E-02	
115	0.20057	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.96E-07	1.1	10	0.96	70	0.85	7.7E-08	7.7E-02	
116	0.19524	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.80E-07	1.1	10	0.96	70	0.85	7.5E-08	7.5E-02	
117	0.19022	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.65E-07	1.1	10	0.96	70	0.85	7.3E-08	7.3E-02	
118	0.18493	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.49E-07	1.1	10	0.96	70	0.85	7.1E-08	7.1E-02	
119	0.17986	2.8E-03	5.1E-04	1090	1	0.96	1E-06	5.34E-07	1.1	10	0.96	70	0.85	6.9E-08	6.9E-02	
120	0.1758	2.8E-03	5.0E-04	1090	1	0.96	1E-06	5.22E-07	1.1	10	0.96	70	0.85	6.7E-08	6.7E-02	
121	0.46172	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.37E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
122	0.43899	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.30E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
123	0.42172	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.25E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
124	0.39353	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.17E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
125	0.37894	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.13E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
126	0.36545	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
127	0.35082	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.04E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
128	0.33938	2.8E-03	9.6E-04	1090	1	0.96	1E-06	1.01E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
129	0.32746	2.8E-03	9.3E-04	1090	1	0.96	1E-06	9.73E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
130	0.31719	2.8E-03	9.0E-04	1090	1	0.96	1E-06	9.42E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
131	0.30643	2.8E-03	8.7E-04	1090	1	0.96	1E-06	9.10E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
132	0.29718	2.8E-03	8.4E-04	1090	1	0.96	1E-06	8.83E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
133	0.28749	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.54E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
134	0.2785	2.8E-03	7.9E-04	1090	1	0.96	1E-06	8.27E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
135	0.2703	2.8E-03	7.7E-04	1090	1	0.96	1E-06	8.03E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
136	0.26275	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.80E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
137	0.25469	2.8E-03	7.2E-04	1090	1	0.96	1E-06	7.57E-07	1.1	10	0.96	70	0.85	9.7E-08	9.7E-02	
138	0.24787	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.36E-07	1.1	10	0.96	70	0.85	9.5E-08	9.5E-02	
139	0.24095	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.16E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
140	0.23353	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.94E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
141	0.22644	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.73E-07	1.1	10	0.96	70	0.85	8.7E-08	8.7E-02	
142	0.22043	2.8E-03	6.3E-04	1090	1	0.96	1E-06	6.55E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
143	0.21395	2.8E-03	6.1E-04	1090	1	0.96	1E-06	6.36E-07	1.1	10	0.96	70	0.85	8.2E-08	8.2E-02	
144	0.20745	2.8E-03	5.9E-04	1090	1	0.96	1E-06	6.16E-07	1.1	10	0.96	70	0.85	7.9E-08	7.9E-02	
145	0.20183	2.8E-03	5.7E-04	1090	1	0.96	1E-06	6.00E-07	1.1	10	0.96	70	0.85	7.7E-08	7.7E-02	
146	0.19653	2.8E-03	5.6E-04	1090	1	0.96	1E-06	5.84E-07	1.1	10	0.96	70	0.85	7.5E-08	7.5E-02	
147	0.19089	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.67E-07	1.1	10	0.96	70	0.85	7.3E-08	7.3E-02	
148	0.18559	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.51E-07	1.1	10	0.96	70	0.85	7.1E-08	7.1E-02	
149	0.1813	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.39E-07	1.1	10	0.96	70	0.85	6.9E-08	6.9E-02	
150	0.17639	2.8E-03	5.0E-04	1090	1	0.96	1E-06	5.24E-07	1.1	10	0.96	70	0.85	6.7E-08	6.7E-02	
151	0.46613	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.38E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
152	0.44893	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.33E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
153	0.42522	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.26E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
154	0.41014	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.22E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
155	0.38155	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.13E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
156	0.36852	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
157	0.35304	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.05E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
158	0.34146	2.8E-03	9.7E-04	1090	1	0.96	1E-06	1.01E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
159	0.3294	2.8E-03	9.4E-04	1090	1	0.96	1E-06	9.78E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
160	0.31902	2.8E-03	9.1E-04	1090	1	0.96	1E-06	9.48E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
161	0.30813	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.15E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
162	0.29879	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.88E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
163	0.28899	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.58E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
164	0.28054	2.8E-03	8.0E-04	1090	1	0.96	1E-06	8.33E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
165	0.27199	2.8E-03	7.7E-04	1090	1	0.96	1E-06	8.08E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
166	0.26403	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.84E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
167	0.25593	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.60E-07	1.1	10	0.96	70	0.85	9.8E-08	9.8E-02	
168	0.24903	2.8E-03	7.1E-04	1090	1	0.96	1E-06	7.40E-07	1.1	10	0.96	70	0.85	9.5E-08	9.5E-02	
169	0.24195	2.8E-03	6.9E-04	1090	1	0.96	1E-06	7.19E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
170	0.23465	2.8E-03	6.7E-04	1090	1	0.96	1E-06	6.97E-07	1.1	10	0.96	70	0.85	9.0E-08	9.0E-02	
171	0.22737	2.8E-03	6.5E-04	1090	1	0.96	1E-06	6.75E-07	1.1	10	0.96	70	0.85	8.7E-08	8.7E-02	
172	0.22157	2.8E-03	6.3E-04	1090	1	0.96	1E-06	6.58E-07	1.1	10	0.96	70	0.85	8.5E-08	8.5E-02	
173	0.21477	2.8E-03	6.1E-04	1090	1	0.96	1E-06	6.38E-07	1.1	10	0.96	70	0.85	8.2E-08	8.2E-02	
174	0.20877	2.8E-03	5.9E-04	1090	1	0.96	1E-06	6.20E-07	1.1	10	0.96	70	0.85	8.0E-08	8.0E-02	
175	0.20315	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.03E-07	1.1	10	0.96	70	0.85	7.8E-08	7.8E-02	
176	0.1972	2.8E-03	5.6E-04	1090	1	0.96	1E-06	5.86E-07	1.1	10	0.96	70	0.85	7.5E-08	7.5E-02	
177	0.19181	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.70E-07	1.1	10	0.96	70	0.85	7.3E-08	7.3E-02	
178	0.18707	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.56E-07	1.1	10	0.96	70	0.85	7.1E-08	7.1E-02	
179	0.18189	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.40E-07	1.1	10	0.96	70	0.85	6.9E-08	6.9E-02	
180	0.17692	2.8E-03	5.0E-04	1090	1	0.96	1E-06	5.26E-07	1.1	10	0.96	70	0.85	6.8E-08	6.8E-02	
181	0.47032	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.40E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
182	0.4528	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.34E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
183	0.4293	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.28E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
184	0.41322	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.23E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
185	0.38406	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.14E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
186	0.37087	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.10E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
187	0.35541	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
188	0.34346	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.02E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
189	0.33125	2.8E-03	9.4E-04	1090	1	0.96	1E-06	9.84E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
190	0.32076	2.8E-03	9.1E-04	1090	1	0.96	1E-06	9.53E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
191	0.30975	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.20E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
192	0.30031	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.92E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
193	0.29069	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.63E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
194	0.28189	2.8E-03	8.0E-04	1090	1	0.96	1E-06	8.37E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
195	0.27377	2.8E-03	7.8E-04	1090	1	0.96	1E-06	8.13E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
196	0.2652	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.88E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
197	0.25791	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.66E-07	1.1	10	0.96	70	0.85	9.9E-08	9.9E-02	
198	0.25012	2.8E-03	7.1E-04	1090	1	0.96	1E-06	7.43E-07	1.1	10	0.96	70	0.85	9.6E-08	9.6E-02	
199	0.24292	2.8E-03	6.9E-04	1090	1	0.96	1E-06	7.22E-07	1.1	10	0.96	70	0.85	9.3E-08	9.3E-02	
200	0.23555	2.8E-03	6.7E-04	1090	1	0.96	1E-06	7.00E-07	1.1	10	0.96	70	0.85	9.0E-08	9.0E-02	
201	0.2102	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.24E-07	1.1	10	0.96	70	0.85	8.0E-08	8.0E-02	
202	0.20383	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.05E-07	1.1	10	0.96	70	0.85	7.8E-08	7.8E-02	
203	0.19812	2.8E-03	5.6E-04	1090	1	0.96	1E-06	5.88E-07	1.1	10	0.96	70	0.85	7.6E-08	7.6E-02	
204	0.19315	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.74E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
205	0.18762	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.57E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
206	0.1824	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.42E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
207	0.17739	2.8E-03	5.0E-04	1090	1	0.96	1E-06	5.27E-07	1.1	10	0.96	70	0.85	6.8E-08	6.8E-02	
208	0.47425	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.41E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
209	0.45643	2.8E-03	1.3E-03	1090	1	0.96	1E-06	1.36E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
210	0.43332	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.29E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
211	0.41613	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.24E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
212	0.38645	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.15E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
213	0.37305	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.11E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
214	0.35719	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
215	0.34535	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.03E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
216	0.33301	2.8E-03	9.5E-04	1090	1	0.96	1E-06	9.89E-07	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
217	0.3224	2.8E-03	9.2E-04	1090	1	0.96	1E-06	9.58E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
218	0.31206	2.8E-03	8.9E-04	1090	1	0.96	1E-06	9.27E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
219	0.30179	2.8E-03	8.6E-04	1090	1	0.96	1E-06	8.96E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
220	0.29269	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.69E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
221	0.28379	2.8E-03	8.1E-04	1090	1	0.96	1E-06	8.43E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
222	0.27496	2.8E-03	7.8E-04	1090	1	0.96	1E-06	8.17E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
223	0.26717	2.8E-03	7.6E-04	1090	1	0.96	1E-06	7.94E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
224	0.25894	2.8E-03	7.4E-04	1090	1	0.96	1E-06	7.69E-07	1.1	10	0.96	70	0.85	9.9E-08	9.9E-02	
225	0.25111	2.8E-03	7.1E-04	1090	1	0.96	1E-06	7.46E-07	1.1	10	0.96	70	0.85	9.6E-08	9.6E-02	
226	0.24386	2.8E-03	6.9E-04	1090	1	0.96	1E-06	7.24E-07	1.1	10	0.96	70	0.85	9.3E-08	9.3E-02	
227	0.23646	2.8E-03	6.7E-04	1090	1	0.96	1E-06	7.02E-07	1.1	10	0.96	70	0.85	9.0E-08	9.0E-02	
228	0.21086	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.26E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
229	0.20444	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.07E-07	1.1	10	0.96	70	0.85	7.8E-08	7.8E-02	
230	0.19951	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.93E-07	1.1	10	0.96	70	0.85	7.6E-08	7.6E-02	
231	0.19369	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.75E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
232	0.18812	2.8E-03	5.3E-04	1090	1	0.96	1E-06	5.59E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
233	0.18286	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.43E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
234	0.17844	2.8E-03	5.1E-04	1090	1	0.96	1E-06	5.30E-07	1.1	10	0.96	70	0.85	6.8E-08	6.8E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
235	3.2378	2.8E-03	9.2E-03	1090	1	0.96	1E-06	9.62E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
236	3.56678	2.8E-03	1.0E-02	1090	1	0.96	1E-06	1.06E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
237	3.93071	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.17E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
238	4.32763	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.29E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
239	4.75431	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.41E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
240	5.20352	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.55E-05	1.1	10	0.96	70	0.85	2.0E-06	2.0E+00	
241	7.18756	2.8E-03	2.0E-02	1090	1	0.96	1E-06	2.13E-05	1.1	10	0.96	70	0.85	2.7E-06	2.7E+00	
242	6.78311	2.8E-03	1.9E-02	1090	1	0.96	1E-06	2.01E-05	1.1	10	0.96	70	0.85	2.6E-06	2.6E+00	
243	6.52431	2.8E-03	1.9E-02	1090	1	0.96	1E-06	1.94E-05	1.1	10	0.96	70	0.85	2.5E-06	2.5E+00	
244	6.1653	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.83E-05	1.1	10	0.96	70	0.85	2.4E-06	2.4E+00	
245	5.02479	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.49E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
246	4.45555	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.32E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
247	3.94193	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.17E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
248	3.4964	2.8E-03	9.9E-03	1090	1	0.96	1E-06	1.04E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
249	3.11423	2.8E-03	8.9E-03	1090	1	0.96	1E-06	9.25E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
250	2.78897	2.8E-03	7.9E-03	1090	1	0.96	1E-06	8.28E-06	1.1	10	0.96	70	0.85	1.1E-06	1.1E+00	
251	2.50993	2.8E-03	7.1E-03	1090	1	0.96	1E-06	7.46E-06	1.1	10	0.96	70	0.85	9.6E-07	9.6E-01	
252	2.27109	2.8E-03	6.5E-03	1090	1	0.96	1E-06	6.75E-06	1.1	10	0.96	70	0.85	8.7E-07	8.7E-01	
253	0.37516	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.11E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
254	0.35908	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.07E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
255	0.26818	2.8E-03	7.6E-04	1090	1	0.96	1E-06	7.97E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
256	0.25985	2.8E-03	7.4E-04	1090	1	0.96	1E-06	7.72E-07	1.1	10	0.96	70	0.85	9.9E-08	9.9E-02	
257	0.25261	2.8E-03	7.2E-04	1090	1	0.96	1E-06	7.50E-07	1.1	10	0.96	70	0.85	9.7E-08	9.7E-02	
258	0.24505	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.28E-07	1.1	10	0.96	70	0.85	9.4E-08	9.4E-02	
259	0.23751	2.8E-03	6.7E-04	1090	1	0.96	1E-06	7.05E-07	1.1	10	0.96	70	0.85	9.1E-08	9.1E-02	
260	0.23117	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.87E-07	1.1	10	0.96	70	0.85	8.8E-08	8.8E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
261	0.22396	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.65E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
262	0.21823	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.48E-07	1.1	10	0.96	70	0.85	8.3E-08	8.3E-02	
263	3.51616	2.8E-03	1.0E-02	1090	1	0.96	1E-06	1.04E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
264	3.91702	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.16E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
265	4.37067	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.30E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
266	4.87851	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.45E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
267	5.43895	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.62E-05	1.1	10	0.96	70	0.85	2.1E-06	2.1E+00	
268	6.04496	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.80E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
269	8.32796	2.8E-03	2.4E-02	1090	1	0.96	1E-06	2.47E-05	1.1	10	0.96	70	0.85	3.2E-06	3.2E+00	
270	7.93708	2.8E-03	2.3E-02	1090	1	0.96	1E-06	2.36E-05	1.1	10	0.96	70	0.85	3.0E-06	3.0E+00	
271	6.93232	2.8E-03	2.0E-02	1090	1	0.96	1E-06	2.06E-05	1.1	10	0.96	70	0.85	2.6E-06	2.6E+00	
272	5.66407	2.8E-03	1.6E-02	1090	1	0.96	1E-06	1.68E-05	1.1	10	0.96	70	0.85	2.2E-06	2.2E+00	
273	4.81274	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.43E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
274	4.20452	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.25E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
275	3.71115	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.10E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
276	3.26578	2.8E-03	9.3E-03	1090	1	0.96	1E-06	9.70E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
277	2.91008	2.8E-03	8.3E-03	1090	1	0.96	1E-06	8.64E-06	1.1	10	0.96	70	0.85	1.1E-06	1.1E+00	
278	2.60823	2.8E-03	7.4E-03	1090	1	0.96	1E-06	7.75E-06	1.1	10	0.96	70	0.85	1.0E-06	1.0E+00	
279	2.35235	2.8E-03	6.7E-03	1090	1	0.96	1E-06	6.99E-06	1.1	10	0.96	70	0.85	9.0E-07	9.0E-01	
280	0.37706	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.12E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
281	0.36308	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.08E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
282	0.26908	2.8E-03	7.6E-04	1090	1	0.96	1E-06	7.99E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
283	0.26147	2.8E-03	7.4E-04	1090	1	0.96	1E-06	7.77E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
284	0.25341	2.8E-03	7.2E-04	1090	1	0.96	1E-06	7.53E-07	1.1	10	0.96	70	0.85	9.7E-08	9.7E-02	
285	0.24607	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.31E-07	1.1	10	0.96	70	0.85	9.4E-08	9.4E-02	
286	0.23854	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.09E-07	1.1	10	0.96	70	0.85	9.1E-08	9.1E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
287	0.23188	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.89E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
288	0.22462	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.67E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
289	0.21881	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.50E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
290	3.80744	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.13E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
291	4.29391	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.28E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
292	4.8594	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.44E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
293	5.51364	2.8E-03	1.6E-02	1090	1	0.96	1E-06	1.64E-05	1.1	10	0.96	70	0.85	2.1E-06	2.1E+00	
294	6.25802	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.86E-05	1.1	10	0.96	70	0.85	2.4E-06	2.4E+00	
295	7.09277	2.8E-03	2.0E-02	1090	1	0.96	1E-06	2.11E-05	1.1	10	0.96	70	0.85	2.7E-06	2.7E+00	
296	9.45037	2.8E-03	2.7E-02	1090	1	0.96	1E-06	2.81E-05	1.1	10	0.96	70	0.85	3.6E-06	3.6E+00	
297	9.03324	2.8E-03	2.6E-02	1090	1	0.96	1E-06	2.68E-05	1.1	10	0.96	70	0.85	3.5E-06	3.5E+00	
298	7.56693	2.8E-03	2.2E-02	1090	1	0.96	1E-06	2.25E-05	1.1	10	0.96	70	0.85	2.9E-06	2.9E+00	
299	6.03607	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.79E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
300	5.17619	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.54E-05	1.1	10	0.96	70	0.85	2.0E-06	2.0E+00	
301	4.47039	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.33E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
302	3.82768	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.14E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
303	3.41561	2.8E-03	9.7E-03	1090	1	0.96	1E-06	1.01E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
304	3.03098	2.8E-03	8.6E-03	1090	1	0.96	1E-06	9.00E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
305	2.70667	2.8E-03	7.7E-03	1090	1	0.96	1E-06	8.04E-06	1.1	10	0.96	70	0.85	1.0E-06	1.0E+00	
306	2.43199	2.8E-03	6.9E-03	1090	1	0.96	1E-06	7.22E-06	1.1	10	0.96	70	0.85	9.3E-07	9.3E-01	
307	0.59861	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.78E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
308	0.57247	2.8E-03	1.6E-03	1090	1	0.96	1E-06	1.70E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
309	0.37876	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.13E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
310	0.36574	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
311	0.2699	2.8E-03	7.7E-04	1090	1	0.96	1E-06	8.02E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
312	0.26221	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.79E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
313	0.2541	2.8E-03	7.2E-04	1090	1	0.96	1E-06	7.55E-07	1.1	10	0.96	70	0.85	9.7E-08	9.7E-02	
314	0.24701	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.34E-07	1.1	10	0.96	70	0.85	9.4E-08	9.4E-02	
315	0.23951	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.11E-07	1.1	10	0.96	70	0.85	9.1E-08	9.1E-02	
316	0.23251	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.91E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
317	0.22579	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.71E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
318	0.21931	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.51E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
319	4.10227	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.22E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
320	4.68612	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.39E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
321	5.38718	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.60E-05	1.1	10	0.96	70	0.85	2.1E-06	2.1E+00	
322	6.22589	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.85E-05	1.1	10	0.96	70	0.85	2.4E-06	2.4E+00	
323	7.22518	2.8E-03	2.1E-02	1090	1	0.96	1E-06	2.15E-05	1.1	10	0.96	70	0.85	2.8E-06	2.8E+00	
324	8.39251	2.8E-03	2.4E-02	1090	1	0.96	1E-06	2.49E-05	1.1	10	0.96	70	0.85	3.2E-06	3.2E+00	
325	11.24404	2.8E-03	3.2E-02	1090	1	0.96	1E-06	3.34E-05	1.1	10	0.96	70	0.85	4.3E-06	4.3E+00	
326	9.41497	2.8E-03	2.7E-02	1090	1	0.96	1E-06	2.80E-05	1.1	10	0.96	70	0.85	3.6E-06	3.6E+00	
327	7.95533	2.8E-03	2.3E-02	1090	1	0.96	1E-06	2.36E-05	1.1	10	0.96	70	0.85	3.0E-06	3.0E+00	
328	6.55031	2.8E-03	1.9E-02	1090	1	0.96	1E-06	1.95E-05	1.1	10	0.96	70	0.85	2.5E-06	2.5E+00	
329	5.54279	2.8E-03	1.6E-02	1090	1	0.96	1E-06	1.65E-05	1.1	10	0.96	70	0.85	2.1E-06	2.1E+00	
330	4.73155	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.41E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
331	4.08865	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.21E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
332	3.54644	2.8E-03	1.0E-02	1090	1	0.96	1E-06	1.05E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
333	3.14983	2.8E-03	9.0E-03	1090	1	0.96	1E-06	9.36E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
334	2.80229	2.8E-03	8.0E-03	1090	1	0.96	1E-06	8.32E-06	1.1	10	0.96	70	0.85	1.1E-06	1.1E+00	
335	2.50957	2.8E-03	7.1E-03	1090	1	0.96	1E-06	7.45E-06	1.1	10	0.96	70	0.85	9.6E-07	9.6E-01	
336	0.60282	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.79E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
337	0.57629	2.8E-03	1.6E-03	1090	1	0.96	1E-06	1.71E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
338	0.39562	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.18E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
339	0.36811	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
340	0.22619	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.72E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
341	0.21972	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.53E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
342	4.38948	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.30E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
343	5.07919	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.51E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
344	5.93393	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.76E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
345	7.00004	2.8E-03	2.0E-02	1090	1	0.96	1E-06	2.08E-05	1.1	10	0.96	70	0.85	2.7E-06	2.7E+00	
346	8.33258	2.8E-03	2.4E-02	1090	1	0.96	1E-06	2.48E-05	1.1	10	0.96	70	0.85	3.2E-06	3.2E+00	
347	9.98221	2.8E-03	2.8E-02	1090	1	0.96	1E-06	2.97E-05	1.1	10	0.96	70	0.85	3.8E-06	3.8E+00	
348	16.41979	2.8E-03	4.7E-02	1090	1	0.96	1E-06	4.88E-05	1.1	10	0.96	70	0.85	6.3E-06	6.3E+00	
349	13.35444	2.8E-03	3.8E-02	1090	1	0.96	1E-06	3.97E-05	1.1	10	0.96	70	0.85	5.1E-06	5.1E+00	
350	10.71305	2.8E-03	3.0E-02	1090	1	0.96	1E-06	3.18E-05	1.1	10	0.96	70	0.85	4.1E-06	4.1E+00	
351	8.63697	2.8E-03	2.5E-02	1090	1	0.96	1E-06	2.57E-05	1.1	10	0.96	70	0.85	3.3E-06	3.3E+00	
352	7.07617	2.8E-03	2.0E-02	1090	1	0.96	1E-06	2.10E-05	1.1	10	0.96	70	0.85	2.7E-06	2.7E+00	
353	5.90158	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.75E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
354	4.99146	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.48E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
355	4.28147	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.27E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
356	3.49301	2.8E-03	9.9E-03	1090	1	0.96	1E-06	1.04E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
357	3.25845	2.8E-03	9.3E-03	1090	1	0.96	1E-06	9.68E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
358	2.8918	2.8E-03	8.2E-03	1090	1	0.96	1E-06	8.59E-06	1.1	10	0.96	70	0.85	1.1E-06	1.1E+00	
359	2.58205	2.8E-03	7.3E-03	1090	1	0.96	1E-06	7.67E-06	1.1	10	0.96	70	0.85	9.9E-07	9.9E-01	
360	0.82003	2.8E-03	2.3E-03	1090	1	0.96	1E-06	2.44E-06	1.1	10	0.96	70	0.85	3.1E-07	3.1E-01	
361	0.77668	2.8E-03	2.2E-03	1090	1	0.96	1E-06	2.31E-06	1.1	10	0.96	70	0.85	3.0E-07	3.0E-01	
362	0.60644	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.80E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
363	0.57957	2.8E-03	1.6E-03	1090	1	0.96	1E-06	1.72E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
364	0.39703	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.18E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
365	0.38325	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.14E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
366	0.30916	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.18E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
367	0.29965	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.90E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
368	0.28967	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.60E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
369	0.22588	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.71E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
370	0.21955	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.52E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
371	0.21303	2.8E-03	6.1E-04	1090	1	0.96	1E-06	6.33E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
372	0.20642	2.8E-03	5.9E-04	1090	1	0.96	1E-06	6.13E-07	1.1	10	0.96	70	0.85	7.9E-08	7.9E-02	
373	0.20016	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.95E-07	1.1	10	0.96	70	0.85	7.6E-08	7.6E-02	
374	0.19497	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.79E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
375	0.1896	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.63E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
376	0.18417	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.47E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
377	0.17987	2.8E-03	5.1E-04	1090	1	0.96	1E-06	5.34E-07	1.1	10	0.96	70	0.85	6.9E-08	6.9E-02	
378	4.65465	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.38E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
379	5.45181	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.62E-05	1.1	10	0.96	70	0.85	2.1E-06	2.1E+00	
380	6.4725	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.92E-05	1.1	10	0.96	70	0.85	2.5E-06	2.5E+00	
381	7.7976	2.8E-03	2.2E-02	1090	1	0.96	1E-06	2.32E-05	1.1	10	0.96	70	0.85	3.0E-06	3.0E+00	
382	9.54266	2.8E-03	2.7E-02	1090	1	0.96	1E-06	2.83E-05	1.1	10	0.96	70	0.85	3.6E-06	3.6E+00	
383	11.85967	2.8E-03	3.4E-02	1090	1	0.96	1E-06	3.52E-05	1.1	10	0.96	70	0.85	4.5E-06	4.5E+00	
384	20.67767	2.8E-03	5.9E-02	1090	1	0.96	1E-06	6.14E-05	1.1	10	0.96	70	0.85	7.9E-06	7.9E+00	
385	15.7051	2.8E-03	4.5E-02	1090	1	0.96	1E-06	4.66E-05	1.1	10	0.96	70	0.85	6.0E-06	6.0E+00	
386	12.04277	2.8E-03	3.4E-02	1090	1	0.96	1E-06	3.58E-05	1.1	10	0.96	70	0.85	4.6E-06	4.6E+00	
387	9.433	2.8E-03	2.7E-02	1090	1	0.96	1E-06	2.80E-05	1.1	10	0.96	70	0.85	3.6E-06	3.6E+00	
388	7.5909	2.8E-03	2.2E-02	1090	1	0.96	1E-06	2.25E-05	1.1	10	0.96	70	0.85	2.9E-06	2.9E+00	
389	6.24334	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.85E-05	1.1	10	0.96	70	0.85	2.4E-06	2.4E+00	
390	5.23551	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.56E-05	1.1	10	0.96	70	0.85	2.0E-06	2.0E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
391	4.46134	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.33E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
392	3.85329	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.14E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
393	3.36716	2.8E-03	9.6E-03	1090	1	0.96	1E-06	1.00E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
394	2.97404	2.8E-03	8.5E-03	1090	1	0.96	1E-06	8.83E-06	1.1	10	0.96	70	0.85	1.1E-06	1.1E+00	
395	2.64726	2.8E-03	7.5E-03	1090	1	0.96	1E-06	7.86E-06	1.1	10	0.96	70	0.85	1.0E-06	1.0E+00	
396	0.8258	2.8E-03	2.3E-03	1090	1	0.96	1E-06	2.45E-06	1.1	10	0.96	70	0.85	3.2E-07	3.2E-01	
397	0.78181	2.8E-03	2.2E-03	1090	1	0.96	1E-06	2.32E-06	1.1	10	0.96	70	0.85	3.0E-07	3.0E-01	
398	0.60943	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.81E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
399	0.5823	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.73E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
400	0.40024	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.19E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
401	0.38431	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.14E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
402	0.30975	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.20E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
403	0.30016	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.92E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
404	0.29018	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.62E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
405	0.22607	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.72E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
406	0.21879	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.50E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
407	0.2121	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.30E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
408	0.20652	2.8E-03	5.9E-04	1090	1	0.96	1E-06	6.13E-07	1.1	10	0.96	70	0.85	7.9E-08	7.9E-02	
409	0.20028	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.95E-07	1.1	10	0.96	70	0.85	7.7E-08	7.7E-02	
410	0.19432	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.77E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
411	0.18967	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.63E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
412	0.18422	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.47E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
413	0.17991	2.8E-03	5.1E-04	1090	1	0.96	1E-06	5.34E-07	1.1	10	0.96	70	0.85	6.9E-08	6.9E-02	
414	4.88004	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.45E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
415	5.77641	2.8E-03	1.6E-02	1090	1	0.96	1E-06	1.72E-05	1.1	10	0.96	70	0.85	2.2E-06	2.2E+00	
416	6.95567	2.8E-03	2.0E-02	1090	1	0.96	1E-06	2.07E-05	1.1	10	0.96	70	0.85	2.7E-06	2.7E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
417	8.54735	2.8E-03	2.4E-02	1090	1	0.96	1E-06	2.54E-05	1.1	10	0.96	70	0.85	3.3E-06	3.3E+00	
418	10.75591	2.8E-03	3.1E-02	1090	1	0.96	1E-06	3.19E-05	1.1	10	0.96	70	0.85	4.1E-06	4.1E+00	
419	13.9119	2.8E-03	4.0E-02	1090	1	0.96	1E-06	4.13E-05	1.1	10	0.96	70	0.85	5.3E-06	5.3E+00	
420	50.39874	2.8E-03	1.4E-01	1090	1	0.96	1E-06	1.50E-04	1.1	10	0.96	70	0.85	1.9E-05	1.9E+01	
421	37.21175	2.8E-03	1.1E-01	1090	1	0.96	1E-06	1.11E-04	1.1	10	0.96	70	0.85	1.4E-05	1.4E+01	
422	25.751	2.8E-03	7.3E-02	1090	1	0.96	1E-06	7.65E-05	1.1	10	0.96	70	0.85	9.8E-06	9.8E+00	
423	18.13782	2.8E-03	5.2E-02	1090	1	0.96	1E-06	5.39E-05	1.1	10	0.96	70	0.85	6.9E-06	6.9E+00	
424	13.32213	2.8E-03	3.8E-02	1090	1	0.96	1E-06	3.96E-05	1.1	10	0.96	70	0.85	5.1E-06	5.1E+00	
425	10.17377	2.8E-03	2.9E-02	1090	1	0.96	1E-06	3.02E-05	1.1	10	0.96	70	0.85	3.9E-06	3.9E+00	
426	8.06102	2.8E-03	2.3E-02	1090	1	0.96	1E-06	2.39E-05	1.1	10	0.96	70	0.85	3.1E-06	3.1E+00	
427	6.55537	2.8E-03	1.9E-02	1090	1	0.96	1E-06	1.95E-05	1.1	10	0.96	70	0.85	2.5E-06	2.5E+00	
428	5.45596	2.8E-03	1.6E-02	1090	1	0.96	1E-06	1.62E-05	1.1	10	0.96	70	0.85	2.1E-06	2.1E+00	
429	4.62081	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.37E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
430	3.97181	2.8E-03	1.1E-02	1090	1	0.96	1E-06	1.18E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
431	3.45763	2.8E-03	9.8E-03	1090	1	0.96	1E-06	1.03E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
432	3.04198	2.8E-03	8.6E-03	1090	1	0.96	1E-06	9.04E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
433	2.70153	2.8E-03	7.7E-03	1090	1	0.96	1E-06	8.02E-06	1.1	10	0.96	70	0.85	1.0E-06	1.0E+00	
434	0.83032	2.8E-03	2.4E-03	1090	1	0.96	1E-06	2.47E-06	1.1	10	0.96	70	0.85	3.2E-07	3.2E-01	
435	0.78585	2.8E-03	2.2E-03	1090	1	0.96	1E-06	2.33E-06	1.1	10	0.96	70	0.85	3.0E-07	3.0E-01	
436	0.64127	2.8E-03	1.8E-03	1090	1	0.96	1E-06	1.90E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
437	0.61176	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.82E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
438	0.58443	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.74E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
439	0.407	2.8E-03	1.2E-03	1090	1	0.96	1E-06	1.21E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
440	0.38511	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.14E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
441	0.31016	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.21E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
442	0.30005	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.91E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
443	0.29052	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.63E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
444	0.28097	2.8E-03	8.0E-04	1090	1	0.96	1E-06	8.35E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
445	0.27274	2.8E-03	7.8E-04	1090	1	0.96	1E-06	8.10E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
446	0.26401	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.84E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
447	0.2571	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.64E-07	1.1	10	0.96	70	0.85	9.8E-08	9.8E-02	
448	0.24751	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.35E-07	1.1	10	0.96	70	0.85	9.5E-08	9.5E-02	
449	0.24031	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.14E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
450	0.23308	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.92E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
451	0.2262	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.72E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
452	0.21889	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.50E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	
453	0.2119	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.29E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
454	0.20559	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.11E-07	1.1	10	0.96	70	0.85	7.9E-08	7.9E-02	
455	0.20031	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.95E-07	1.1	10	0.96	70	0.85	7.7E-08	7.7E-02	
456	0.19429	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.77E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
457	0.18967	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.63E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
458	0.1842	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.47E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
459	0.17941	2.8E-03	5.1E-04	1090	1	0.96	1E-06	5.33E-07	1.1	10	0.96	70	0.85	6.9E-08	6.9E-02	
460	5.04719	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.50E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
461	6.0267	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.79E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
462	7.34	2.8E-03	2.1E-02	1090	1	0.96	1E-06	2.18E-05	1.1	10	0.96	70	0.85	2.8E-06	2.8E+00	
463	9.1656	2.8E-03	2.6E-02	1090	1	0.96	1E-06	2.72E-05	1.1	10	0.96	70	0.85	3.5E-06	3.5E+00	
464	11.80608	2.8E-03	3.4E-02	1090	1	0.96	1E-06	3.51E-05	1.1	10	0.96	70	0.85	4.5E-06	4.5E+00	
465	15.84495	2.8E-03	4.5E-02	1090	1	0.96	1E-06	4.71E-05	1.1	10	0.96	70	0.85	6.1E-06	6.1E+00	
466	93.27452	2.8E-03	2.7E-01	1090	1	0.96	1E-06	2.77E-04	1.1	10	0.96	70	0.85	3.6E-05	3.6E+01	
467	51.92531	2.8E-03	1.5E-01	1090	1	0.96	1E-06	1.54E-04	1.1	10	0.96	70	0.85	2.0E-05	2.0E+01	
468	30.99081	2.8E-03	8.8E-02	1090	1	0.96	1E-06	9.21E-05	1.1	10	0.96	70	0.85	1.2E-05	1.2E+01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
469	20.35874	2.8E-03	5.8E-02	1090	1	0.96	1E-06	6.05E-05	1.1	10	0.96	70	0.85	7.8E-06	7.8E+00	
470	14.43183	2.8E-03	4.1E-02	1090	1	0.96	1E-06	4.29E-05	1.1	10	0.96	70	0.85	5.5E-06	5.5E+00	
471	10.80802	2.8E-03	3.1E-02	1090	1	0.96	1E-06	3.21E-05	1.1	10	0.96	70	0.85	4.1E-06	4.1E+00	
472	8.45272	2.8E-03	2.4E-02	1090	1	0.96	1E-06	2.51E-05	1.1	10	0.96	70	0.85	3.2E-06	3.2E+00	
473	6.81475	2.8E-03	1.9E-02	1090	1	0.96	1E-06	2.02E-05	1.1	10	0.96	70	0.85	2.6E-06	2.6E+00	
474	5.63183	2.8E-03	1.6E-02	1090	1	0.96	1E-06	1.67E-05	1.1	10	0.96	70	0.85	2.2E-06	2.2E+00	
475	4.74674	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.41E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
476	4.06396	2.8E-03	1.2E-02	1090	1	0.96	1E-06	1.21E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
477	3.52662	2.8E-03	1.0E-02	1090	1	0.96	1E-06	1.05E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
478	3.09474	2.8E-03	8.8E-03	1090	1	0.96	1E-06	9.19E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
479	2.74244	2.8E-03	7.8E-03	1090	1	0.96	1E-06	8.15E-06	1.1	10	0.96	70	0.85	1.0E-06	1.0E+00	
480	0.64308	2.8E-03	1.8E-03	1090	1	0.96	1E-06	1.91E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
481	0.61339	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.82E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
482	0.5859	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.74E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
483	0.3104	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.22E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
484	0.30026	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.92E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
485	0.29071	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.64E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
486	0.28113	2.8E-03	8.0E-04	1090	1	0.96	1E-06	8.35E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
487	0.27289	2.8E-03	7.8E-04	1090	1	0.96	1E-06	8.11E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
488	0.2642	2.8E-03	7.5E-04	1090	1	0.96	1E-06	7.85E-07	1.1	10	0.96	70	0.85	1.0E-07	1.0E-01	
489	0.25717	2.8E-03	7.3E-04	1090	1	0.96	1E-06	7.64E-07	1.1	10	0.96	70	0.85	9.8E-08	9.8E-02	
490	0.24771	2.8E-03	7.0E-04	1090	1	0.96	1E-06	7.36E-07	1.1	10	0.96	70	0.85	9.5E-08	9.5E-02	
491	0.24033	2.8E-03	6.8E-04	1090	1	0.96	1E-06	7.14E-07	1.1	10	0.96	70	0.85	9.2E-08	9.2E-02	
492	0.23248	2.8E-03	6.6E-04	1090	1	0.96	1E-06	6.91E-07	1.1	10	0.96	70	0.85	8.9E-08	8.9E-02	
493	0.2254	2.8E-03	6.4E-04	1090	1	0.96	1E-06	6.70E-07	1.1	10	0.96	70	0.85	8.6E-08	8.6E-02	
494	0.21889	2.8E-03	6.2E-04	1090	1	0.96	1E-06	6.50E-07	1.1	10	0.96	70	0.85	8.4E-08	8.4E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
495	0.21187	2.8E-03	6.0E-04	1090	1	0.96	1E-06	6.29E-07	1.1	10	0.96	70	0.85	8.1E-08	8.1E-02	
496	0.20529	2.8E-03	5.8E-04	1090	1	0.96	1E-06	6.10E-07	1.1	10	0.96	70	0.85	7.8E-08	7.8E-02	
497	0.20026	2.8E-03	5.7E-04	1090	1	0.96	1E-06	5.95E-07	1.1	10	0.96	70	0.85	7.7E-08	7.7E-02	
498	0.19422	2.8E-03	5.5E-04	1090	1	0.96	1E-06	5.77E-07	1.1	10	0.96	70	0.85	7.4E-08	7.4E-02	
499	0.1896	2.8E-03	5.4E-04	1090	1	0.96	1E-06	5.63E-07	1.1	10	0.96	70	0.85	7.2E-08	7.2E-02	
500	0.18411	2.8E-03	5.2E-04	1090	1	0.96	1E-06	5.47E-07	1.1	10	0.96	70	0.85	7.0E-08	7.0E-02	
501	0.17957	2.8E-03	5.1E-04	1090	1	0.96	1E-06	5.33E-07	1.1	10	0.96	70	0.85	6.9E-08	6.9E-02	
502	5.14418	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.53E-05	1.1	10	0.96	70	0.85	2.0E-06	2.0E+00	
503	6.17411	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.83E-05	1.1	10	0.96	70	0.85	2.4E-06	2.4E+00	
504	0.67623	2.8E-03	1.9E-03	1090	1	0.96	1E-06	2.01E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
505	0.64408	2.8E-03	1.8E-03	1090	1	0.96	1E-06	1.91E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
506	0.61429	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.82E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
507	0.58672	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.74E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
508	0.56106	2.8E-03	1.6E-03	1090	1	0.96	1E-06	1.67E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
509	0.29074	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.64E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
510	5.10292	2.8E-03	1.5E-02	1090	1	0.96	1E-06	1.52E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
511	6.20185	2.8E-03	1.8E-02	1090	1	0.96	1E-06	1.84E-05	1.1	10	0.96	70	0.85	2.4E-06	2.4E+00	
512	0.67644	2.8E-03	1.9E-03	1090	1	0.96	1E-06	2.01E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
513	0.64426	2.8E-03	1.8E-03	1090	1	0.96	1E-06	1.91E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
514	0.61445	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.83E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
515	0.58687	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.74E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
516	0.56121	2.8E-03	1.6E-03	1090	1	0.96	1E-06	1.67E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
517	0.2906	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.63E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
518	4.80074	2.8E-03	1.4E-02	1090	1	0.96	1E-06	1.43E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
519	6.10635	2.8E-03	1.7E-02	1090	1	0.96	1E-06	1.81E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
520	0.64361	2.8E-03	1.8E-03	1090	1	0.96	1E-06	1.91E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
521	0.61389	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.82E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
522	0.58634	2.8E-03	1.7E-03	1090	1	0.96	1E-06	1.74E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
523	0.56075	2.8E-03	1.6E-03	1090	1	0.96	1E-06	1.67E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
524	0.29031	2.8E-03	8.3E-04	1090	1	0.96	1E-06	8.62E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
525	4.45472	2.8E-03	1.3E-02	1090	1	0.96	1E-06	1.32E-05	1.1	10	0.96	70	0.85	1.7E-06	1.7E+00	
526	5.47601	2.8E-03	1.6E-02	1090	1	0.96	1E-06	1.63E-05	1.1	10	0.96	70	0.85	2.1E-06	2.1E+00	
527	0.28987	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.61E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
528	0.37887	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.13E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
529	0.35874	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.07E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
530	0.34622	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.03E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
531	0.32205	2.8E-03	9.2E-04	1090	1	0.96	1E-06	9.57E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
532	0.30937	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.19E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
533	0.29937	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.89E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
534	0.28929	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.59E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
535	0.3779	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.12E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
536	0.35781	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
537	0.34614	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.03E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
538	0.3212	2.8E-03	9.1E-04	1090	1	0.96	1E-06	9.54E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
539	0.30856	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.17E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
540	0.29862	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.87E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
541	0.28857	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.57E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
542	0.37667	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.12E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
543	0.35665	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
544	0.34507	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.02E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
545	0.32018	2.8E-03	9.1E-04	1090	1	0.96	1E-06	9.51E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
546	0.31013	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.21E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
547	0.29772	2.8E-03	8.5E-04	1090	1	0.96	1E-06	8.84E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
548	0.2879	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.55E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
549	0.3752	2.8E-03	1.1E-03	1090	1	0.96	1E-06	1.11E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
550	0.35727	2.8E-03	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
551	0.34379	2.8E-03	9.8E-04	1090	1	0.96	1E-06	1.02E-06	1.1	10	0.96	70	0.85	1.3E-07	1.3E-01	
552	0.319	2.8E-03	9.1E-04	1090	1	0.96	1E-06	9.48E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
553	0.3091	2.8E-03	8.8E-04	1090	1	0.96	1E-06	9.18E-07	1.1	10	0.96	70	0.85	1.2E-07	1.2E-01	
554	0.29669	2.8E-03	8.4E-04	1090	1	0.96	1E-06	8.81E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
555	0.28782	2.8E-03	8.2E-04	1090	1	0.96	1E-06	8.55E-07	1.1	10	0.96	70	0.85	1.1E-07	1.1E-01	
556	0.537	2.8E-03	1.5E-03	1090	1	0.96	1E-06	1.60E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
557	0.51479	2.8E-03	1.5E-03	1090	1	0.96	1E-06	1.53E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	
558	0.53588	2.8E-03	1.5E-03	1090	1	0.96	1E-06	1.59E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	
559	0.5138	2.8E-03	1.5E-03	1090	1	0.96	1E-06	1.53E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
1	1.26E-03	5	2.51E-04	5.30E-02
2	1.20E-03	5	2.39E-04	
3	1.12E-03	5	2.24E-04	
4	1.08E-03	5	2.16E-04	
5	1.04E-03	5	2.07E-04	
6	1.00E-03	5	2.01E-04	
7	9.67E-04	5	1.93E-04	
8	9.36E-04	5	1.87E-04	
9	9.04E-04	5	1.81E-04	
10	8.77E-04	5	1.75E-04	
11	8.48E-04	5	1.70E-04	
12	8.24E-04	5	1.65E-04	
13	7.99E-04	5	1.60E-04	
14	7.74E-04	5	1.55E-04	
15	7.52E-04	5	1.50E-04	
16	7.29E-04	5	1.46E-04	
17	7.07E-04	5	1.41E-04	
18	6.87E-04	5	1.37E-04	
19	6.69E-04	5	1.34E-04	
20	6.48E-04	5	1.30E-04	
21	6.28E-04	5	1.26E-04	
22	6.13E-04	5	1.23E-04	
23	5.94E-04	5	1.19E-04	
24	5.78E-04	5	1.16E-04	
25	5.63E-04	5	1.13E-04	
26	5.47E-04	5	1.09E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
27	5.32E-04	5	1.06E-04	
28	5.17E-04	5	1.03E-04	
29	5.06E-04	5	1.01E-04	
30	4.92E-04	5	9.84E-05	
31	1.27E-03	5	2.54E-04	
32	1.21E-03	5	2.42E-04	
33	1.13E-03	5	2.26E-04	
34	1.09E-03	5	2.18E-04	
35	1.05E-03	5	2.09E-04	
36	1.01E-03	5	2.02E-04	
37	9.74E-04	5	1.95E-04	
38	9.43E-04	5	1.89E-04	
39	9.11E-04	5	1.82E-04	
40	8.82E-04	5	1.76E-04	
41	8.53E-04	5	1.71E-04	
42	8.30E-04	5	1.66E-04	
43	8.03E-04	5	1.61E-04	
44	7.80E-04	5	1.56E-04	
45	7.56E-04	5	1.51E-04	
46	7.35E-04	5	1.47E-04	
47	7.12E-04	5	1.42E-04	
48	6.92E-04	5	1.38E-04	
49	6.72E-04	5	1.34E-04	
50	6.51E-04	5	1.30E-04	
51	6.34E-04	5	1.27E-04	
52	6.15E-04	5	1.23E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
53	5.97E-04	5	1.19E-04	
54	5.81E-04	5	1.16E-04	
55	5.65E-04	5	1.13E-04	
56	5.49E-04	5	1.10E-04	
57	5.34E-04	5	1.07E-04	
58	5.21E-04	5	1.04E-04	
59	5.08E-04	5	1.02E-04	
60	4.94E-04	5	9.88E-05	
61	1.29E-03	5	2.57E-04	
62	1.22E-03	5	2.44E-04	
63	1.14E-03	5	2.29E-04	
64	1.10E-03	5	2.20E-04	
65	1.05E-03	5	2.11E-04	
66	1.02E-03	5	2.03E-04	
67	9.83E-04	5	1.97E-04	
68	9.49E-04	5	1.90E-04	
69	9.19E-04	5	1.84E-04	
70	8.88E-04	5	1.78E-04	
71	8.61E-04	5	1.72E-04	
72	8.35E-04	5	1.67E-04	
73	8.08E-04	5	1.62E-04	
74	7.85E-04	5	1.57E-04	
75	7.60E-04	5	1.52E-04	
76	7.39E-04	5	1.48E-04	
77	7.17E-04	5	1.43E-04	
78	6.95E-04	5	1.39E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
79	6.76E-04	5	1.35E-04	
80	6.55E-04	5	1.31E-04	
81	6.38E-04	5	1.28E-04	
82	6.18E-04	5	1.24E-04	
83	6.01E-04	5	1.20E-04	
84	5.85E-04	5	1.17E-04	
85	5.68E-04	5	1.14E-04	
86	5.51E-04	5	1.10E-04	
87	5.37E-04	5	1.07E-04	
88	5.24E-04	5	1.05E-04	
89	5.09E-04	5	1.02E-04	
90	4.96E-04	5	9.92E-05	
91	1.30E-03	5	2.60E-04	
92	1.23E-03	5	2.46E-04	
93	1.19E-03	5	2.38E-04	
94	1.11E-03	5	2.21E-04	
95	1.07E-03	5	2.14E-04	
96	1.02E-03	5	2.05E-04	
97	9.90E-04	5	1.98E-04	
98	9.56E-04	5	1.91E-04	
99	9.25E-04	5	1.85E-04	
100	8.93E-04	5	1.79E-04	
101	8.66E-04	5	1.73E-04	
102	8.40E-04	5	1.68E-04	
103	8.14E-04	5	1.63E-04	
104	7.89E-04	5	1.58E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
105	7.64E-04	5	1.53E-04	
106	7.43E-04	5	1.49E-04	
107	7.20E-04	5	1.44E-04	
108	6.97E-04	5	1.39E-04	
109	6.81E-04	5	1.36E-04	
110	6.59E-04	5	1.32E-04	
111	6.41E-04	5	1.28E-04	
112	6.21E-04	5	1.24E-04	
113	6.06E-04	5	1.21E-04	
114	5.87E-04	5	1.17E-04	
115	5.70E-04	5	1.14E-04	
116	5.55E-04	5	1.11E-04	
117	5.41E-04	5	1.08E-04	
118	5.26E-04	5	1.05E-04	
119	5.11E-04	5	1.02E-04	
120	5.00E-04	5	9.99E-05	
121	1.31E-03	5	2.62E-04	
122	1.25E-03	5	2.50E-04	
123	1.20E-03	5	2.40E-04	
124	1.12E-03	5	2.24E-04	
125	1.08E-03	5	2.15E-04	
126	1.04E-03	5	2.08E-04	
127	9.97E-04	5	1.99E-04	
128	9.64E-04	5	1.93E-04	
129	9.31E-04	5	1.86E-04	
130	9.01E-04	5	1.80E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
131	8.71E-04	5	1.74E-04	
132	8.45E-04	5	1.69E-04	
133	8.17E-04	5	1.63E-04	
134	7.91E-04	5	1.58E-04	
135	7.68E-04	5	1.54E-04	
136	7.47E-04	5	1.49E-04	
137	7.24E-04	5	1.45E-04	
138	7.04E-04	5	1.41E-04	
139	6.85E-04	5	1.37E-04	
140	6.64E-04	5	1.33E-04	
141	6.44E-04	5	1.29E-04	
142	6.26E-04	5	1.25E-04	
143	6.08E-04	5	1.22E-04	
144	5.90E-04	5	1.18E-04	
145	5.74E-04	5	1.15E-04	
146	5.59E-04	5	1.12E-04	
147	5.42E-04	5	1.08E-04	
148	5.27E-04	5	1.05E-04	
149	5.15E-04	5	1.03E-04	
150	5.01E-04	5	1.00E-04	
151	1.32E-03	5	2.65E-04	
152	1.28E-03	5	2.55E-04	
153	1.21E-03	5	2.42E-04	
154	1.17E-03	5	2.33E-04	
155	1.08E-03	5	2.17E-04	
156	1.05E-03	5	2.09E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
157	1.00E-03	5	2.01E-04	
158	9.70E-04	5	1.94E-04	
159	9.36E-04	5	1.87E-04	
160	9.07E-04	5	1.81E-04	
161	8.76E-04	5	1.75E-04	
162	8.49E-04	5	1.70E-04	
163	8.21E-04	5	1.64E-04	
164	7.97E-04	5	1.59E-04	
165	7.73E-04	5	1.55E-04	
166	7.50E-04	5	1.50E-04	
167	7.27E-04	5	1.45E-04	
168	7.08E-04	5	1.42E-04	
169	6.88E-04	5	1.38E-04	
170	6.67E-04	5	1.33E-04	
171	6.46E-04	5	1.29E-04	
172	6.30E-04	5	1.26E-04	
173	6.10E-04	5	1.22E-04	
174	5.93E-04	5	1.19E-04	
175	5.77E-04	5	1.15E-04	
176	5.60E-04	5	1.12E-04	
177	5.45E-04	5	1.09E-04	
178	5.32E-04	5	1.06E-04	
179	5.17E-04	5	1.03E-04	
180	5.03E-04	5	1.01E-04	
181	1.34E-03	5	2.67E-04	
182	1.29E-03	5	2.57E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
183	1.22E-03	5	2.44E-04	
184	1.17E-03	5	2.35E-04	
185	1.09E-03	5	2.18E-04	
186	1.05E-03	5	2.11E-04	
187	1.01E-03	5	2.02E-04	
188	9.76E-04	5	1.95E-04	
189	9.41E-04	5	1.88E-04	
190	9.12E-04	5	1.82E-04	
191	8.80E-04	5	1.76E-04	
192	8.53E-04	5	1.71E-04	
193	8.26E-04	5	1.65E-04	
194	8.01E-04	5	1.60E-04	
195	7.78E-04	5	1.56E-04	
196	7.54E-04	5	1.51E-04	
197	7.33E-04	5	1.47E-04	
198	7.11E-04	5	1.42E-04	
199	6.90E-04	5	1.38E-04	
200	6.69E-04	5	1.34E-04	
201	5.97E-04	5	1.19E-04	
202	5.79E-04	5	1.16E-04	
203	5.63E-04	5	1.13E-04	
204	5.49E-04	5	1.10E-04	
205	5.33E-04	5	1.07E-04	
206	5.18E-04	5	1.04E-04	
207	5.04E-04	5	1.01E-04	
208	1.35E-03	5	2.70E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
209	1.30E-03	5	2.59E-04	
210	1.23E-03	5	2.46E-04	
211	1.18E-03	5	2.37E-04	
212	1.10E-03	5	2.20E-04	
213	1.06E-03	5	2.12E-04	
214	1.02E-03	5	2.03E-04	
215	9.81E-04	5	1.96E-04	
216	9.46E-04	5	1.89E-04	
217	9.16E-04	5	1.83E-04	
218	8.87E-04	5	1.77E-04	
219	8.58E-04	5	1.72E-04	
220	8.32E-04	5	1.66E-04	
221	8.06E-04	5	1.61E-04	
222	7.81E-04	5	1.56E-04	
223	7.59E-04	5	1.52E-04	
224	7.36E-04	5	1.47E-04	
225	7.14E-04	5	1.43E-04	
226	6.93E-04	5	1.39E-04	
227	6.72E-04	5	1.34E-04	
228	5.99E-04	5	1.20E-04	
229	5.81E-04	5	1.16E-04	
230	5.67E-04	5	1.13E-04	
231	5.50E-04	5	1.10E-04	
232	5.35E-04	5	1.07E-04	
233	5.20E-04	5	1.04E-04	
234	5.07E-04	5	1.01E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
235	9.20E-03	5	1.84E-03	
236	1.01E-02	5	2.03E-03	
237	1.12E-02	5	2.23E-03	
238	1.23E-02	5	2.46E-03	
239	1.35E-02	5	2.70E-03	
240	1.48E-02	5	2.96E-03	
241	2.04E-02	5	4.09E-03	
242	1.93E-02	5	3.86E-03	
243	1.85E-02	5	3.71E-03	
244	1.75E-02	5	3.50E-03	
245	1.43E-02	5	2.86E-03	
246	1.27E-02	5	2.53E-03	
247	1.12E-02	5	2.24E-03	
248	9.94E-03	5	1.99E-03	
249	8.85E-03	5	1.77E-03	
250	7.93E-03	5	1.59E-03	
251	7.13E-03	5	1.43E-03	
252	6.45E-03	5	1.29E-03	
253	1.07E-03	5	2.13E-04	
254	1.02E-03	5	2.04E-04	
255	7.62E-04	5	1.52E-04	
256	7.38E-04	5	1.48E-04	
257	7.18E-04	5	1.44E-04	
258	6.96E-04	5	1.39E-04	
259	6.75E-04	5	1.35E-04	
260	6.57E-04	5	1.31E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
261	6.36E-04	5	1.27E-04	
262	6.20E-04	5	1.24E-04	
263	9.99E-03	5	2.00E-03	
264	1.11E-02	5	2.23E-03	
265	1.24E-02	5	2.48E-03	
266	1.39E-02	5	2.77E-03	
267	1.55E-02	5	3.09E-03	
268	1.72E-02	5	3.44E-03	
269	2.37E-02	5	4.73E-03	
270	2.26E-02	5	4.51E-03	
271	1.97E-02	5	3.94E-03	
272	1.61E-02	5	3.22E-03	
273	1.37E-02	5	2.74E-03	
274	1.19E-02	5	2.39E-03	
275	1.05E-02	5	2.11E-03	
276	9.28E-03	5	1.86E-03	
277	8.27E-03	5	1.65E-03	
278	7.41E-03	5	1.48E-03	
279	6.69E-03	5	1.34E-03	
280	1.07E-03	5	2.14E-04	
281	1.03E-03	5	2.06E-04	
282	7.65E-04	5	1.53E-04	
283	7.43E-04	5	1.49E-04	
284	7.20E-04	5	1.44E-04	
285	6.99E-04	5	1.40E-04	
286	6.78E-04	5	1.36E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
287	6.59E-04	5	1.32E-04	
288	6.38E-04	5	1.28E-04	
289	6.22E-04	5	1.24E-04	
290	1.08E-02	5	2.16E-03	
291	1.22E-02	5	2.44E-03	
292	1.38E-02	5	2.76E-03	
293	1.57E-02	5	3.13E-03	
294	1.78E-02	5	3.56E-03	
295	2.02E-02	5	4.03E-03	
296	2.69E-02	5	5.37E-03	
297	2.57E-02	5	5.13E-03	
298	2.15E-02	5	4.30E-03	
299	1.72E-02	5	3.43E-03	
300	1.47E-02	5	2.94E-03	
301	1.27E-02	5	2.54E-03	
302	1.09E-02	5	2.18E-03	
303	9.71E-03	5	1.94E-03	
304	8.61E-03	5	1.72E-03	
305	7.69E-03	5	1.54E-03	
306	6.91E-03	5	1.38E-03	
307	1.70E-03	5	3.40E-04	
308	1.63E-03	5	3.25E-04	
309	1.08E-03	5	2.15E-04	
310	1.04E-03	5	2.08E-04	
311	7.67E-04	5	1.53E-04	
312	7.45E-04	5	1.49E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
313	7.22E-04	5	1.44E-04	
314	7.02E-04	5	1.40E-04	
315	6.81E-04	5	1.36E-04	
316	6.61E-04	5	1.32E-04	
317	6.42E-04	5	1.28E-04	
318	6.23E-04	5	1.25E-04	
319	1.17E-02	5	2.33E-03	
320	1.33E-02	5	2.66E-03	
321	1.53E-02	5	3.06E-03	
322	1.77E-02	5	3.54E-03	
323	2.05E-02	5	4.11E-03	
324	2.39E-02	5	4.77E-03	
325	3.20E-02	5	6.39E-03	
326	2.68E-02	5	5.35E-03	
327	2.26E-02	5	4.52E-03	
328	1.86E-02	5	3.72E-03	
329	1.58E-02	5	3.15E-03	
330	1.34E-02	5	2.69E-03	
331	1.16E-02	5	2.32E-03	
332	1.01E-02	5	2.02E-03	
333	8.95E-03	5	1.79E-03	
334	7.96E-03	5	1.59E-03	
335	7.13E-03	5	1.43E-03	
336	1.71E-03	5	3.43E-04	
337	1.64E-03	5	3.28E-04	
338	1.12E-03	5	2.25E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
339	1.05E-03	5	2.09E-04	
340	6.43E-04	5	1.29E-04	
341	6.24E-04	5	1.25E-04	
342	1.25E-02	5	2.49E-03	
343	1.44E-02	5	2.89E-03	
344	1.69E-02	5	3.37E-03	
345	1.99E-02	5	3.98E-03	
346	2.37E-02	5	4.74E-03	
347	2.84E-02	5	5.67E-03	
348	4.67E-02	5	9.33E-03	
349	3.80E-02	5	7.59E-03	
350	3.04E-02	5	6.09E-03	
351	2.45E-02	5	4.91E-03	
352	2.01E-02	5	4.02E-03	
353	1.68E-02	5	3.35E-03	
354	1.42E-02	5	2.84E-03	
355	1.22E-02	5	2.43E-03	
356	9.93E-03	5	1.99E-03	
357	9.26E-03	5	1.85E-03	
358	8.22E-03	5	1.64E-03	
359	7.34E-03	5	1.47E-03	
360	2.33E-03	5	4.66E-04	
361	2.21E-03	5	4.41E-04	
362	1.72E-03	5	3.45E-04	
363	1.65E-03	5	3.29E-04	
364	1.13E-03	5	2.26E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
365	1.09E-03	5	2.18E-04	
366	8.79E-04	5	1.76E-04	
367	8.52E-04	5	1.70E-04	
368	8.23E-04	5	1.65E-04	
369	6.42E-04	5	1.28E-04	
370	6.24E-04	5	1.25E-04	
371	6.05E-04	5	1.21E-04	
372	5.87E-04	5	1.17E-04	
373	5.69E-04	5	1.14E-04	
374	5.54E-04	5	1.11E-04	
375	5.39E-04	5	1.08E-04	
376	5.23E-04	5	1.05E-04	
377	5.11E-04	5	1.02E-04	
378	1.32E-02	5	2.65E-03	
379	1.55E-02	5	3.10E-03	
380	1.84E-02	5	3.68E-03	
381	2.22E-02	5	4.43E-03	
382	2.71E-02	5	5.42E-03	
383	3.37E-02	5	6.74E-03	
384	5.88E-02	5	1.18E-02	
385	4.46E-02	5	8.93E-03	
386	3.42E-02	5	6.84E-03	
387	2.68E-02	5	5.36E-03	
388	2.16E-02	5	4.31E-03	
389	1.77E-02	5	3.55E-03	
390	1.49E-02	5	2.98E-03	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
391	1.27E-02	5	2.54E-03	
392	1.10E-02	5	2.19E-03	
393	9.57E-03	5	1.91E-03	
394	8.45E-03	5	1.69E-03	
395	7.52E-03	5	1.50E-03	
396	2.35E-03	5	4.69E-04	
397	2.22E-03	5	4.44E-04	
398	1.73E-03	5	3.46E-04	
399	1.65E-03	5	3.31E-04	
400	1.14E-03	5	2.27E-04	
401	1.09E-03	5	2.18E-04	
402	8.80E-04	5	1.76E-04	
403	8.53E-04	5	1.71E-04	
404	8.25E-04	5	1.65E-04	
405	6.42E-04	5	1.28E-04	
406	6.22E-04	5	1.24E-04	
407	6.03E-04	5	1.21E-04	
408	5.87E-04	5	1.17E-04	
409	5.69E-04	5	1.14E-04	
410	5.52E-04	5	1.10E-04	
411	5.39E-04	5	1.08E-04	
412	5.24E-04	5	1.05E-04	
413	5.11E-04	5	1.02E-04	
414	1.39E-02	5	2.77E-03	
415	1.64E-02	5	3.28E-03	
416	1.98E-02	5	3.95E-03	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
417	2.43E-02	5	4.86E-03	
418	3.06E-02	5	6.11E-03	
419	3.95E-02	5	7.91E-03	
420	1.43E-01	5	2.86E-02	
421	1.06E-01	5	2.12E-02	
422	7.32E-02	5	1.46E-02	
423	5.15E-02	5	1.03E-02	
424	3.79E-02	5	7.57E-03	
425	2.89E-02	5	5.78E-03	
426	2.29E-02	5	4.58E-03	
427	1.86E-02	5	3.73E-03	
428	1.55E-02	5	3.10E-03	
429	1.31E-02	5	2.63E-03	
430	1.13E-02	5	2.26E-03	
431	9.83E-03	5	1.97E-03	
432	8.64E-03	5	1.73E-03	
433	7.68E-03	5	1.54E-03	
434	2.36E-03	5	4.72E-04	
435	2.23E-03	5	4.47E-04	
436	1.82E-03	5	3.64E-04	
437	1.74E-03	5	3.48E-04	
438	1.66E-03	5	3.32E-04	
439	1.16E-03	5	2.31E-04	
440	1.09E-03	5	2.19E-04	
441	8.81E-04	5	1.76E-04	
442	8.53E-04	5	1.71E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
443	8.26E-04	5	1.65E-04	
444	7.98E-04	5	1.60E-04	
445	7.75E-04	5	1.55E-04	
446	7.50E-04	5	1.50E-04	
447	7.31E-04	5	1.46E-04	
448	7.03E-04	5	1.41E-04	
449	6.83E-04	5	1.37E-04	
450	6.62E-04	5	1.32E-04	
451	6.43E-04	5	1.29E-04	
452	6.22E-04	5	1.24E-04	
453	6.02E-04	5	1.20E-04	
454	5.84E-04	5	1.17E-04	
455	5.69E-04	5	1.14E-04	
456	5.52E-04	5	1.10E-04	
457	5.39E-04	5	1.08E-04	
458	5.23E-04	5	1.05E-04	
459	5.10E-04	5	1.02E-04	
460	1.43E-02	5	2.87E-03	
461	1.71E-02	5	3.43E-03	
462	2.09E-02	5	4.17E-03	
463	2.60E-02	5	5.21E-03	
464	3.36E-02	5	6.71E-03	
465	4.50E-02	5	9.01E-03	
466	2.65E-01	5	5.30E-02	
467	1.48E-01	5	2.95E-02	
468	8.81E-02	5	1.76E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
469	5.79E-02	5	1.16E-02	
470	4.10E-02	5	8.20E-03	
471	3.07E-02	5	6.14E-03	
472	2.40E-02	5	4.80E-03	
473	1.94E-02	5	3.87E-03	
474	1.60E-02	5	3.20E-03	
475	1.35E-02	5	2.70E-03	
476	1.15E-02	5	2.31E-03	
477	1.00E-02	5	2.00E-03	
478	8.79E-03	5	1.76E-03	
479	7.79E-03	5	1.56E-03	
480	1.83E-03	5	3.66E-04	
481	1.74E-03	5	3.49E-04	
482	1.67E-03	5	3.33E-04	
483	8.82E-04	5	1.76E-04	
484	8.53E-04	5	1.71E-04	
485	8.26E-04	5	1.65E-04	
486	7.99E-04	5	1.60E-04	
487	7.76E-04	5	1.55E-04	
488	7.51E-04	5	1.50E-04	
489	7.31E-04	5	1.46E-04	
490	7.04E-04	5	1.41E-04	
491	6.83E-04	5	1.37E-04	
492	6.61E-04	5	1.32E-04	
493	6.41E-04	5	1.28E-04	
494	6.22E-04	5	1.24E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
495	6.02E-04	5	1.20E-04	
496	5.83E-04	5	1.17E-04	
497	5.69E-04	5	1.14E-04	
498	5.52E-04	5	1.10E-04	
499	5.39E-04	5	1.08E-04	
500	5.23E-04	5	1.05E-04	
501	5.10E-04	5	1.02E-04	
502	1.46E-02	5	2.92E-03	
503	1.75E-02	5	3.51E-03	
504	1.92E-03	5	3.84E-04	
505	1.83E-03	5	3.66E-04	
506	1.75E-03	5	3.49E-04	
507	1.67E-03	5	3.33E-04	
508	1.59E-03	5	3.19E-04	
509	8.26E-04	5	1.65E-04	
510	1.45E-02	5	2.90E-03	
511	1.76E-02	5	3.52E-03	
512	1.92E-03	5	3.84E-04	
513	1.83E-03	5	3.66E-04	
514	1.75E-03	5	3.49E-04	
515	1.67E-03	5	3.34E-04	
516	1.59E-03	5	3.19E-04	
517	8.26E-04	5	1.65E-04	
518	1.36E-02	5	2.73E-03	
519	1.74E-02	5	3.47E-03	
520	1.83E-03	5	3.66E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
521	1.74E-03	5	3.49E-04	
522	1.67E-03	5	3.33E-04	
523	1.59E-03	5	3.19E-04	
524	8.25E-04	5	1.65E-04	
525	1.27E-02	5	2.53E-03	
526	1.56E-02	5	3.11E-03	
527	8.24E-04	5	1.65E-04	
528	1.08E-03	5	2.15E-04	
529	1.02E-03	5	2.04E-04	
530	9.84E-04	5	1.97E-04	
531	9.15E-04	5	1.83E-04	
532	8.79E-04	5	1.76E-04	
533	8.51E-04	5	1.70E-04	
534	8.22E-04	5	1.64E-04	
535	1.07E-03	5	2.15E-04	
536	1.02E-03	5	2.03E-04	
537	9.84E-04	5	1.97E-04	
538	9.13E-04	5	1.83E-04	
539	8.77E-04	5	1.75E-04	
540	8.49E-04	5	1.70E-04	
541	8.20E-04	5	1.64E-04	
542	1.07E-03	5	2.14E-04	
543	1.01E-03	5	2.03E-04	
544	9.81E-04	5	1.96E-04	
545	9.10E-04	5	1.82E-04	
546	8.81E-04	5	1.76E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
547	8.46E-04	5	1.69E-04	
548	8.18E-04	5	1.64E-04	
549	1.07E-03	5	2.13E-04	
550	1.02E-03	5	2.03E-04	
551	9.77E-04	5	1.95E-04	
552	9.07E-04	5	1.81E-04	
553	8.78E-04	5	1.76E-04	
554	8.43E-04	5	1.69E-04	
555	8.18E-04	5	1.64E-04	
556	1.53E-03	5	3.05E-04	
557	1.46E-03	5	2.93E-04	
558	1.52E-03	5	3.05E-04	
559	1.46E-03	5	2.92E-04	

Unmitigated Risk from Pipeline Installation

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
1	1.97769	1.2E-02	2.4E-02	1090	1	0.96	1E-06	2.47E-05	1.1	10	0.75	70	0.85	2.5E-06	2.5E+00	**33.85**
2	2.04271	1.2E-02	2.4E-02	1090	1	0.96	1E-06	2.55E-05	1.1	10	0.75	70	0.85	2.6E-06	2.6E+00	
3	2.11427	1.2E-02	2.5E-02	1090	1	0.96	1E-06	2.64E-05	1.1	10	0.75	70	0.85	2.6E-06	2.6E+00	
4	2.19481	1.2E-02	2.6E-02	1090	1	0.96	1E-06	2.74E-05	1.1	10	0.75	70	0.85	2.7E-06	2.7E+00	
5	2.28147	1.2E-02	2.7E-02	1090	1	0.96	1E-06	2.85E-05	1.1	10	0.75	70	0.85	2.8E-06	2.8E+00	
6	2.37505	1.2E-02	2.8E-02	1090	1	0.96	1E-06	2.97E-05	1.1	10	0.75	70	0.85	3.0E-06	3.0E+00	
7	2.47172	1.2E-02	3.0E-02	1090	1	0.96	1E-06	3.09E-05	1.1	10	0.75	70	0.85	3.1E-06	3.1E+00	
8	2.5679	1.2E-02	3.1E-02	1090	1	0.96	1E-06	3.21E-05	1.1	10	0.75	70	0.85	3.2E-06	3.2E+00	
9	2.65583	1.2E-02	3.2E-02	1090	1	0.96	1E-06	3.32E-05	1.1	10	0.75	70	0.85	3.3E-06	3.3E+00	
10	2.72954	1.2E-02	3.3E-02	1090	1	0.96	1E-06	3.41E-05	1.1	10	0.75	70	0.85	3.4E-06	3.4E+00	
11	2.78021	1.2E-02	3.3E-02	1090	1	0.96	1E-06	3.47E-05	1.1	10	0.75	70	0.85	3.5E-06	3.5E+00	
12	2.80502	1.2E-02	3.4E-02	1090	1	0.96	1E-06	3.50E-05	1.1	10	0.75	70	0.85	3.5E-06	3.5E+00	
13	2.80203	1.2E-02	3.3E-02	1090	1	0.96	1E-06	3.50E-05	1.1	10	0.75	70	0.85	3.5E-06	3.5E+00	
14	2.77251	1.2E-02	3.3E-02	1090	1	0.96	1E-06	3.46E-05	1.1	10	0.75	70	0.85	3.5E-06	3.5E+00	
15	2.72568	1.2E-02	3.3E-02	1090	1	0.96	1E-06	3.40E-05	1.1	10	0.75	70	0.85	3.4E-06	3.4E+00	
16	2.65931	1.2E-02	3.2E-02	1090	1	0.96	1E-06	3.32E-05	1.1	10	0.75	70	0.85	3.3E-06	3.3E+00	
17	2.58161	1.2E-02	3.1E-02	1090	1	0.96	1E-06	3.22E-05	1.1	10	0.75	70	0.85	3.2E-06	3.2E+00	
18	2.49372	1.2E-02	3.0E-02	1090	1	0.96	1E-06	3.11E-05	1.1	10	0.75	70	0.85	3.1E-06	3.1E+00	
19	2.39549	1.2E-02	2.9E-02	1090	1	0.96	1E-06	2.99E-05	1.1	10	0.75	70	0.85	3.0E-06	3.0E+00	
20	2.28616	1.2E-02	2.7E-02	1090	1	0.96	1E-06	2.85E-05	1.1	10	0.75	70	0.85	2.9E-06	2.9E+00	
21	2.1674	1.2E-02	2.6E-02	1090	1	0.96	1E-06	2.71E-05	1.1	10	0.75	70	0.85	2.7E-06	2.7E+00	
22	2.0409	1.2E-02	2.4E-02	1090	1	0.96	1E-06	2.55E-05	1.1	10	0.75	70	0.85	2.5E-06	2.5E+00	
23	1.90487	1.2E-02	2.3E-02	1090	1	0.96	1E-06	2.38E-05	1.1	10	0.75	70	0.85	2.4E-06	2.4E+00	
24	1.76288	1.2E-02	2.1E-02	1090	1	0.96	1E-06	2.20E-05	1.1	10	0.75	70	0.85	2.2E-06	2.2E+00	
25	1.61846	1.2E-02	1.9E-02	1090	1	0.96	1E-06	2.02E-05	1.1	10	0.75	70	0.85	2.0E-06	2.0E+00	
26	1.47457	1.2E-02	1.8E-02	1090	1	0.96	1E-06	1.84E-05	1.1	10	0.75	70	0.85	1.8E-06	1.8E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
27	1.33713	1.2E-02	1.6E-02	1090	1	0.96	1E-06	1.67E-05	1.1	10	0.75	70	0.85	1.7E-06	1.7E+00	
28	1.21081	1.2E-02	1.4E-02	1090	1	0.96	1E-06	1.51E-05	1.1	10	0.75	70	0.85	1.5E-06	1.5E+00	
29	1.09931	1.2E-02	1.3E-02	1090	1	0.96	1E-06	1.37E-05	1.1	10	0.75	70	0.85	1.4E-06	1.4E+00	
30	1.00063	1.2E-02	1.2E-02	1090	1	0.96	1E-06	1.25E-05	1.1	10	0.75	70	0.85	1.2E-06	1.2E+00	
31	2.13843	1.2E-02	2.6E-02	1090	1	0.96	1E-06	2.67E-05	1.1	10	0.75	70	0.85	2.7E-06	2.7E+00	
32	2.22008	1.2E-02	2.7E-02	1090	1	0.96	1E-06	2.77E-05	1.1	10	0.75	70	0.85	2.8E-06	2.8E+00	
33	2.31262	1.2E-02	2.8E-02	1090	1	0.96	1E-06	2.89E-05	1.1	10	0.75	70	0.85	2.9E-06	2.9E+00	
34	2.41918	1.2E-02	2.9E-02	1090	1	0.96	1E-06	3.02E-05	1.1	10	0.75	70	0.85	3.0E-06	3.0E+00	
35	2.5371	1.2E-02	3.0E-02	1090	1	0.96	1E-06	3.17E-05	1.1	10	0.75	70	0.85	3.2E-06	3.2E+00	
36	2.66695	1.2E-02	3.2E-02	1090	1	0.96	1E-06	3.33E-05	1.1	10	0.75	70	0.85	3.3E-06	3.3E+00	
37	2.8037	1.2E-02	3.3E-02	1090	1	0.96	1E-06	3.50E-05	1.1	10	0.75	70	0.85	3.5E-06	3.5E+00	
38	2.94102	1.2E-02	3.5E-02	1090	1	0.96	1E-06	3.67E-05	1.1	10	0.75	70	0.85	3.7E-06	3.7E+00	
39	3.06661	1.2E-02	3.7E-02	1090	1	0.96	1E-06	3.83E-05	1.1	10	0.75	70	0.85	3.8E-06	3.8E+00	
40	3.16802	1.2E-02	3.8E-02	1090	1	0.96	1E-06	3.96E-05	1.1	10	0.75	70	0.85	4.0E-06	4.0E+00	
41	3.23373	1.2E-02	3.9E-02	1090	1	0.96	1E-06	4.04E-05	1.1	10	0.75	70	0.85	4.0E-06	4.0E+00	
42	3.26102	1.2E-02	3.9E-02	1090	1	0.96	1E-06	4.07E-05	1.1	10	0.75	70	0.85	4.1E-06	4.1E+00	
43	3.25142	1.2E-02	3.9E-02	1090	1	0.96	1E-06	4.06E-05	1.1	10	0.75	70	0.85	4.1E-06	4.1E+00	
44	3.21279	1.2E-02	3.8E-02	1090	1	0.96	1E-06	4.01E-05	1.1	10	0.75	70	0.85	4.0E-06	4.0E+00	
45	3.14926	1.2E-02	3.8E-02	1090	1	0.96	1E-06	3.93E-05	1.1	10	0.75	70	0.85	3.9E-06	3.9E+00	
46	3.07055	1.2E-02	3.7E-02	1090	1	0.96	1E-06	3.83E-05	1.1	10	0.75	70	0.85	3.8E-06	3.8E+00	
47	2.97497	1.2E-02	3.6E-02	1090	1	0.96	1E-06	3.72E-05	1.1	10	0.75	70	0.85	3.7E-06	3.7E+00	
48	2.86913	1.2E-02	3.4E-02	1090	1	0.96	1E-06	3.58E-05	1.1	10	0.75	70	0.85	3.6E-06	3.6E+00	
49	2.75125	1.2E-02	3.3E-02	1090	1	0.96	1E-06	3.44E-05	1.1	10	0.75	70	0.85	3.4E-06	3.4E+00	
50	2.61922	1.2E-02	3.1E-02	1090	1	0.96	1E-06	3.27E-05	1.1	10	0.75	70	0.85	3.3E-06	3.3E+00	
51	2.47487	1.2E-02	3.0E-02	1090	1	0.96	1E-06	3.09E-05	1.1	10	0.75	70	0.85	3.1E-06	3.1E+00	
52	2.31599	1.2E-02	2.8E-02	1090	1	0.96	1E-06	2.89E-05	1.1	10	0.75	70	0.85	2.9E-06	2.9E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
53	2.14418	1.2E-02	2.6E-02	1090	1	0.96	1E-06	2.68E-05	1.1	10	0.75	70	0.85	2.7E-06	2.7E+00	
54	1.96297	1.2E-02	2.3E-02	1090	1	0.96	1E-06	2.45E-05	1.1	10	0.75	70	0.85	2.5E-06	2.5E+00	
55	1.7784	1.2E-02	2.1E-02	1090	1	0.96	1E-06	2.22E-05	1.1	10	0.75	70	0.85	2.2E-06	2.2E+00	
56	1.59656	1.2E-02	1.9E-02	1090	1	0.96	1E-06	1.99E-05	1.1	10	0.75	70	0.85	2.0E-06	2.0E+00	
57	1.427	1.2E-02	1.7E-02	1090	1	0.96	1E-06	1.78E-05	1.1	10	0.75	70	0.85	1.8E-06	1.8E+00	
58	1.27722	1.2E-02	1.5E-02	1090	1	0.96	1E-06	1.60E-05	1.1	10	0.75	70	0.85	1.6E-06	1.6E+00	
59	1.14726	1.2E-02	1.4E-02	1090	1	0.96	1E-06	1.43E-05	1.1	10	0.75	70	0.85	1.4E-06	1.4E+00	
60	1.03648	1.2E-02	1.2E-02	1090	1	0.96	1E-06	1.29E-05	1.1	10	0.75	70	0.85	1.3E-06	1.3E+00	
61	2.31779	1.2E-02	2.8E-02	1090	1	0.96	1E-06	2.89E-05	1.1	10	0.75	70	0.85	2.9E-06	2.9E+00	
62	2.42044	1.2E-02	2.9E-02	1090	1	0.96	1E-06	3.02E-05	1.1	10	0.75	70	0.85	3.0E-06	3.0E+00	
63	2.54109	1.2E-02	3.0E-02	1090	1	0.96	1E-06	3.17E-05	1.1	10	0.75	70	0.85	3.2E-06	3.2E+00	
64	2.68378	1.2E-02	3.2E-02	1090	1	0.96	1E-06	3.35E-05	1.1	10	0.75	70	0.85	3.4E-06	3.4E+00	
65	2.84771	1.2E-02	3.4E-02	1090	1	0.96	1E-06	3.56E-05	1.1	10	0.75	70	0.85	3.6E-06	3.6E+00	
66	3.03336	1.2E-02	3.6E-02	1090	1	0.96	1E-06	3.79E-05	1.1	10	0.75	70	0.85	3.8E-06	3.8E+00	
67	3.23417	1.2E-02	3.9E-02	1090	1	0.96	1E-06	4.04E-05	1.1	10	0.75	70	0.85	4.0E-06	4.0E+00	
68	3.43762	1.2E-02	4.1E-02	1090	1	0.96	1E-06	4.29E-05	1.1	10	0.75	70	0.85	4.3E-06	4.3E+00	
69	3.62261	1.2E-02	4.3E-02	1090	1	0.96	1E-06	4.52E-05	1.1	10	0.75	70	0.85	4.5E-06	4.5E+00	
70	3.763	1.2E-02	4.5E-02	1090	1	0.96	1E-06	4.70E-05	1.1	10	0.75	70	0.85	4.7E-06	4.7E+00	
71	3.84534	1.2E-02	4.6E-02	1090	1	0.96	1E-06	4.80E-05	1.1	10	0.75	70	0.85	4.8E-06	4.8E+00	
72	3.86936	1.2E-02	4.6E-02	1090	1	0.96	1E-06	4.83E-05	1.1	10	0.75	70	0.85	4.8E-06	4.8E+00	
73	3.84651	1.2E-02	4.6E-02	1090	1	0.96	1E-06	4.80E-05	1.1	10	0.75	70	0.85	4.8E-06	4.8E+00	
74	3.79057	1.2E-02	4.5E-02	1090	1	0.96	1E-06	4.73E-05	1.1	10	0.75	70	0.85	4.7E-06	4.7E+00	
75	3.70894	1.2E-02	4.4E-02	1090	1	0.96	1E-06	4.63E-05	1.1	10	0.75	70	0.85	4.6E-06	4.6E+00	
76	3.61282	1.2E-02	4.3E-02	1090	1	0.96	1E-06	4.51E-05	1.1	10	0.75	70	0.85	4.5E-06	4.5E+00	
77	3.4986	1.2E-02	4.2E-02	1090	1	0.96	1E-06	4.37E-05	1.1	10	0.75	70	0.85	4.4E-06	4.4E+00	
78	3.3721	1.2E-02	4.0E-02	1090	1	0.96	1E-06	4.21E-05	1.1	10	0.75	70	0.85	4.2E-06	4.2E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
79	3.23093	1.2E-02	3.9E-02	1090	1	0.96	1E-06	4.03E-05	1.1	10	0.75	70	0.85	4.0E-06	4.0E+00	
80	3.06995	1.2E-02	3.7E-02	1090	1	0.96	1E-06	3.83E-05	1.1	10	0.75	70	0.85	3.8E-06	3.8E+00	
81	2.88972	1.2E-02	3.5E-02	1090	1	0.96	1E-06	3.61E-05	1.1	10	0.75	70	0.85	3.6E-06	3.6E+00	
82	2.68613	1.2E-02	3.2E-02	1090	1	0.96	1E-06	3.35E-05	1.1	10	0.75	70	0.85	3.4E-06	3.4E+00	
83	2.46162	1.2E-02	2.9E-02	1090	1	0.96	1E-06	3.07E-05	1.1	10	0.75	70	0.85	3.1E-06	3.1E+00	
84	2.22155	1.2E-02	2.7E-02	1090	1	0.96	1E-06	2.77E-05	1.1	10	0.75	70	0.85	2.8E-06	2.8E+00	
85	1.97439	1.2E-02	2.4E-02	1090	1	0.96	1E-06	2.47E-05	1.1	10	0.75	70	0.85	2.5E-06	2.5E+00	
86	1.73734	1.2E-02	2.1E-02	1090	1	0.96	1E-06	2.17E-05	1.1	10	0.75	70	0.85	2.2E-06	2.2E+00	
87	1.52499	1.2E-02	1.8E-02	1090	1	0.96	1E-06	1.90E-05	1.1	10	0.75	70	0.85	1.9E-06	1.9E+00	
88	1.3452	1.2E-02	1.6E-02	1090	1	0.96	1E-06	1.68E-05	1.1	10	0.75	70	0.85	1.7E-06	1.7E+00	
89	1.19516	1.2E-02	1.4E-02	1090	1	0.96	1E-06	1.49E-05	1.1	10	0.75	70	0.85	1.5E-06	1.5E+00	
90	1.07168	1.2E-02	1.3E-02	1090	1	0.96	1E-06	1.34E-05	1.1	10	0.75	70	0.85	1.3E-06	1.3E+00	
91	2.51747	1.2E-02	3.0E-02	1090	1	0.96	1E-06	3.14E-05	1.1	10	0.75	70	0.85	3.1E-06	3.1E+00	
92	2.64606	1.2E-02	3.2E-02	1090	1	0.96	1E-06	3.30E-05	1.1	10	0.75	70	0.85	3.3E-06	3.3E+00	
93	2.80439	1.2E-02	3.4E-02	1090	1	0.96	1E-06	3.50E-05	1.1	10	0.75	70	0.85	3.5E-06	3.5E+00	
94	2.99733	1.2E-02	3.6E-02	1090	1	0.96	1E-06	3.74E-05	1.1	10	0.75	70	0.85	3.7E-06	3.7E+00	
95	3.23196	1.2E-02	3.9E-02	1090	1	0.96	1E-06	4.04E-05	1.1	10	0.75	70	0.85	4.0E-06	4.0E+00	
96	3.50706	1.2E-02	4.2E-02	1090	1	0.96	1E-06	4.38E-05	1.1	10	0.75	70	0.85	4.4E-06	4.4E+00	
97	3.81689	1.2E-02	4.6E-02	1090	1	0.96	1E-06	4.77E-05	1.1	10	0.75	70	0.85	4.8E-06	4.8E+00	
98	4.13655	1.2E-02	4.9E-02	1090	1	0.96	1E-06	5.17E-05	1.1	10	0.75	70	0.85	5.2E-06	5.2E+00	
99	4.41943	1.2E-02	5.3E-02	1090	1	0.96	1E-06	5.52E-05	1.1	10	0.75	70	0.85	5.5E-06	5.5E+00	
100	4.61492	1.2E-02	5.5E-02	1090	1	0.96	1E-06	5.76E-05	1.1	10	0.75	70	0.85	5.8E-06	5.8E+00	
101	4.70851	1.2E-02	5.6E-02	1090	1	0.96	1E-06	5.88E-05	1.1	10	0.75	70	0.85	5.9E-06	5.9E+00	
102	4.71763	1.2E-02	5.6E-02	1090	1	0.96	1E-06	5.89E-05	1.1	10	0.75	70	0.85	5.9E-06	5.9E+00	
103	4.67091	1.2E-02	5.6E-02	1090	1	0.96	1E-06	5.83E-05	1.1	10	0.75	70	0.85	5.8E-06	5.8E+00	
104	4.59018	1.2E-02	5.5E-02	1090	1	0.96	1E-06	5.73E-05	1.1	10	0.75	70	0.85	5.7E-06	5.7E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
105	4.48583	1.2E-02	5.4E-02	1090	1	0.96	1E-06	5.60E-05	1.1	10	0.75	70	0.85	5.6E-06	5.6E+00	
106	4.36866	1.2E-02	5.2E-02	1090	1	0.96	1E-06	5.46E-05	1.1	10	0.75	70	0.85	5.5E-06	5.5E+00	
107	4.23326	1.2E-02	5.1E-02	1090	1	0.96	1E-06	5.29E-05	1.1	10	0.75	70	0.85	5.3E-06	5.3E+00	
108	4.08347	1.2E-02	4.9E-02	1090	1	0.96	1E-06	5.10E-05	1.1	10	0.75	70	0.85	5.1E-06	5.1E+00	
109	3.91434	1.2E-02	4.7E-02	1090	1	0.96	1E-06	4.89E-05	1.1	10	0.75	70	0.85	4.9E-06	4.9E+00	
110	3.71649	1.2E-02	4.4E-02	1090	1	0.96	1E-06	4.64E-05	1.1	10	0.75	70	0.85	4.6E-06	4.6E+00	
111	3.48598	1.2E-02	4.2E-02	1090	1	0.96	1E-06	4.35E-05	1.1	10	0.75	70	0.85	4.4E-06	4.4E+00	
112	3.21579	1.2E-02	3.8E-02	1090	1	0.96	1E-06	4.02E-05	1.1	10	0.75	70	0.85	4.0E-06	4.0E+00	
113	2.90785	1.2E-02	3.5E-02	1090	1	0.96	1E-06	3.63E-05	1.1	10	0.75	70	0.85	3.6E-06	3.6E+00	
114	2.5674	1.2E-02	3.1E-02	1090	1	0.96	1E-06	3.21E-05	1.1	10	0.75	70	0.85	3.2E-06	3.2E+00	
115	2.21977	1.2E-02	2.7E-02	1090	1	0.96	1E-06	2.77E-05	1.1	10	0.75	70	0.85	2.8E-06	2.8E+00	
116	1.89938	1.2E-02	2.3E-02	1090	1	0.96	1E-06	2.37E-05	1.1	10	0.75	70	0.85	2.4E-06	2.4E+00	
117	1.6298	1.2E-02	1.9E-02	1090	1	0.96	1E-06	2.04E-05	1.1	10	0.75	70	0.85	2.0E-06	2.0E+00	
118	1.4128	1.2E-02	1.7E-02	1090	1	0.96	1E-06	1.76E-05	1.1	10	0.75	70	0.85	1.8E-06	1.8E+00	
119	1.24173	1.2E-02	1.5E-02	1090	1	0.96	1E-06	1.55E-05	1.1	10	0.75	70	0.85	1.6E-06	1.6E+00	
120	1.10771	1.2E-02	1.3E-02	1090	1	0.96	1E-06	1.38E-05	1.1	10	0.75	70	0.85	1.4E-06	1.4E+00	
121	2.73892	1.2E-02	3.3E-02	1090	1	0.96	1E-06	3.42E-05	1.1	10	0.75	70	0.85	3.4E-06	3.4E+00	
122	2.89834	1.2E-02	3.5E-02	1090	1	0.96	1E-06	3.62E-05	1.1	10	0.75	70	0.85	3.6E-06	3.6E+00	
123	3.10359	1.2E-02	3.7E-02	1090	1	0.96	1E-06	3.88E-05	1.1	10	0.75	70	0.85	3.9E-06	3.9E+00	
124	3.36822	1.2E-02	4.0E-02	1090	1	0.96	1E-06	4.21E-05	1.1	10	0.75	70	0.85	4.2E-06	4.2E+00	
125	3.71068	1.2E-02	4.4E-02	1090	1	0.96	1E-06	4.63E-05	1.1	10	0.75	70	0.85	4.6E-06	4.6E+00	
126	4.14228	1.2E-02	4.9E-02	1090	1	0.96	1E-06	5.17E-05	1.1	10	0.75	70	0.85	5.2E-06	5.2E+00	
127	4.65808	1.2E-02	5.6E-02	1090	1	0.96	1E-06	5.82E-05	1.1	10	0.75	70	0.85	5.8E-06	5.8E+00	
128	5.20684	1.2E-02	6.2E-02	1090	1	0.96	1E-06	6.50E-05	1.1	10	0.75	70	0.85	6.5E-06	6.5E+00	
129	5.66645	1.2E-02	6.8E-02	1090	1	0.96	1E-06	7.08E-05	1.1	10	0.75	70	0.85	7.1E-06	7.1E+00	
130	5.93069	1.2E-02	7.1E-02	1090	1	0.96	1E-06	7.41E-05	1.1	10	0.75	70	0.85	7.4E-06	7.4E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
131	6.01247	1.2E-02	7.2E-02	1090	1	0.96	1E-06	7.51E-05	1.1	10	0.75	70	0.85	7.5E-06	7.5E+00	
132	5.98269	1.2E-02	7.1E-02	1090	1	0.96	1E-06	7.47E-05	1.1	10	0.75	70	0.85	7.5E-06	7.5E+00	
133	5.89588	1.2E-02	7.0E-02	1090	1	0.96	1E-06	7.36E-05	1.1	10	0.75	70	0.85	7.4E-06	7.4E+00	
134	5.77886	1.2E-02	6.9E-02	1090	1	0.96	1E-06	7.22E-05	1.1	10	0.75	70	0.85	7.2E-06	7.2E+00	
135	5.64844	1.2E-02	6.7E-02	1090	1	0.96	1E-06	7.05E-05	1.1	10	0.75	70	0.85	7.1E-06	7.1E+00	
136	5.50631	1.2E-02	6.6E-02	1090	1	0.96	1E-06	6.88E-05	1.1	10	0.75	70	0.85	6.9E-06	6.9E+00	
137	5.34654	1.2E-02	6.4E-02	1090	1	0.96	1E-06	6.68E-05	1.1	10	0.75	70	0.85	6.7E-06	6.7E+00	
138	5.17139	1.2E-02	6.2E-02	1090	1	0.96	1E-06	6.46E-05	1.1	10	0.75	70	0.85	6.5E-06	6.5E+00	
139	4.96825	1.2E-02	5.9E-02	1090	1	0.96	1E-06	6.20E-05	1.1	10	0.75	70	0.85	6.2E-06	6.2E+00	
140	4.72341	1.2E-02	5.6E-02	1090	1	0.96	1E-06	5.90E-05	1.1	10	0.75	70	0.85	5.9E-06	5.9E+00	
141	4.42142	1.2E-02	5.3E-02	1090	1	0.96	1E-06	5.52E-05	1.1	10	0.75	70	0.85	5.5E-06	5.5E+00	
142	4.04708	1.2E-02	4.8E-02	1090	1	0.96	1E-06	5.05E-05	1.1	10	0.75	70	0.85	5.1E-06	5.1E+00	
143	3.58863	1.2E-02	4.3E-02	1090	1	0.96	1E-06	4.48E-05	1.1	10	0.75	70	0.85	4.5E-06	4.5E+00	
144	3.06265	1.2E-02	3.7E-02	1090	1	0.96	1E-06	3.82E-05	1.1	10	0.75	70	0.85	3.8E-06	3.8E+00	
145	2.5331	1.2E-02	3.0E-02	1090	1	0.96	1E-06	3.16E-05	1.1	10	0.75	70	0.85	3.2E-06	3.2E+00	
146	2.08114	1.2E-02	2.5E-02	1090	1	0.96	1E-06	2.60E-05	1.1	10	0.75	70	0.85	2.6E-06	2.6E+00	
147	1.73415	1.2E-02	2.1E-02	1090	1	0.96	1E-06	2.17E-05	1.1	10	0.75	70	0.85	2.2E-06	2.2E+00	
148	1.47764	1.2E-02	1.8E-02	1090	1	0.96	1E-06	1.85E-05	1.1	10	0.75	70	0.85	1.8E-06	1.8E+00	
149	1.28779	1.2E-02	1.5E-02	1090	1	0.96	1E-06	1.61E-05	1.1	10	0.75	70	0.85	1.6E-06	1.6E+00	
150	1.13934	1.2E-02	1.4E-02	1090	1	0.96	1E-06	1.42E-05	1.1	10	0.75	70	0.85	1.4E-06	1.4E+00	
151	2.98357	1.2E-02	3.6E-02	1090	1	0.96	1E-06	3.73E-05	1.1	10	0.75	70	0.85	3.7E-06	3.7E+00	
152	3.17729	1.2E-02	3.8E-02	1090	1	0.96	1E-06	3.97E-05	1.1	10	0.75	70	0.85	4.0E-06	4.0E+00	
153	3.43944	1.2E-02	4.1E-02	1090	1	0.96	1E-06	4.30E-05	1.1	10	0.75	70	0.85	4.3E-06	4.3E+00	
154	3.80074	1.2E-02	4.5E-02	1090	1	0.96	1E-06	4.75E-05	1.1	10	0.75	70	0.85	4.7E-06	4.7E+00	
155	4.30842	1.2E-02	5.1E-02	1090	1	0.96	1E-06	5.38E-05	1.1	10	0.75	70	0.85	5.4E-06	5.4E+00	
156	5.02588	1.2E-02	6.0E-02	1090	1	0.96	1E-06	6.28E-05	1.1	10	0.75	70	0.85	6.3E-06	6.3E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
157	5.99523	1.2E-02	7.2E-02	1090	1	0.96	1E-06	7.49E-05	1.1	10	0.75	70	0.85	7.5E-06	7.5E+00	
158	7.09667	1.2E-02	8.5E-02	1090	1	0.96	1E-06	8.86E-05	1.1	10	0.75	70	0.85	8.9E-06	8.9E+00	
159	7.90598	1.2E-02	9.4E-02	1090	1	0.96	1E-06	9.87E-05	1.1	10	0.75	70	0.85	9.9E-06	9.9E+00	
160	8.20997	1.2E-02	9.8E-02	1090	1	0.96	1E-06	1.03E-04	1.1	10	0.75	70	0.85	1.0E-05	1.0E+01	
161	8.21542	1.2E-02	9.8E-02	1090	1	0.96	1E-06	1.03E-04	1.1	10	0.75	70	0.85	1.0E-05	1.0E+01	
162	8.1053	1.2E-02	9.7E-02	1090	1	0.96	1E-06	1.01E-04	1.1	10	0.75	70	0.85	1.0E-05	1.0E+01	
163	7.95561	1.2E-02	9.5E-02	1090	1	0.96	1E-06	9.94E-05	1.1	10	0.75	70	0.85	9.9E-06	9.9E+00	
164	7.79312	1.2E-02	9.3E-02	1090	1	0.96	1E-06	9.73E-05	1.1	10	0.75	70	0.85	9.7E-06	9.7E+00	
165	7.62241	1.2E-02	9.1E-02	1090	1	0.96	1E-06	9.52E-05	1.1	10	0.75	70	0.85	9.5E-06	9.5E+00	
166	7.44741	1.2E-02	8.9E-02	1090	1	0.96	1E-06	9.30E-05	1.1	10	0.75	70	0.85	9.3E-06	9.3E+00	
167	7.25637	1.2E-02	8.7E-02	1090	1	0.96	1E-06	9.06E-05	1.1	10	0.75	70	0.85	9.1E-06	9.1E+00	
168	7.04818	1.2E-02	8.4E-02	1090	1	0.96	1E-06	8.80E-05	1.1	10	0.75	70	0.85	8.8E-06	8.8E+00	
169	6.80417	1.2E-02	8.1E-02	1090	1	0.96	1E-06	8.50E-05	1.1	10	0.75	70	0.85	8.5E-06	8.5E+00	
170	6.50059	1.2E-02	7.8E-02	1090	1	0.96	1E-06	8.12E-05	1.1	10	0.75	70	0.85	8.1E-06	8.1E+00	
171	6.10006	1.2E-02	7.3E-02	1090	1	0.96	1E-06	7.62E-05	1.1	10	0.75	70	0.85	7.6E-06	7.6E+00	
172	5.55013	1.2E-02	6.6E-02	1090	1	0.96	1E-06	6.93E-05	1.1	10	0.75	70	0.85	6.9E-06	6.9E+00	
173	4.79016	1.2E-02	5.7E-02	1090	1	0.96	1E-06	5.98E-05	1.1	10	0.75	70	0.85	6.0E-06	6.0E+00	
174	3.84269	1.2E-02	4.6E-02	1090	1	0.96	1E-06	4.80E-05	1.1	10	0.75	70	0.85	4.8E-06	4.8E+00	
175	2.93365	1.2E-02	3.5E-02	1090	1	0.96	1E-06	3.66E-05	1.1	10	0.75	70	0.85	3.7E-06	3.7E+00	
176	2.26929	1.2E-02	2.7E-02	1090	1	0.96	1E-06	2.83E-05	1.1	10	0.75	70	0.85	2.8E-06	2.8E+00	
177	1.83222	1.2E-02	2.2E-02	1090	1	0.96	1E-06	2.29E-05	1.1	10	0.75	70	0.85	2.3E-06	2.3E+00	
178	1.53866	1.2E-02	1.8E-02	1090	1	0.96	1E-06	1.92E-05	1.1	10	0.75	70	0.85	1.9E-06	1.9E+00	
179	1.32667	1.2E-02	1.6E-02	1090	1	0.96	1E-06	1.66E-05	1.1	10	0.75	70	0.85	1.7E-06	1.7E+00	
180	1.16688	1.2E-02	1.4E-02	1090	1	0.96	1E-06	1.46E-05	1.1	10	0.75	70	0.85	1.5E-06	1.5E+00	
181	3.25346	1.2E-02	3.9E-02	1090	1	0.96	1E-06	4.06E-05	1.1	10	0.75	70	0.85	4.1E-06	4.1E+00	
182	3.48249	1.2E-02	4.2E-02	1090	1	0.96	1E-06	4.35E-05	1.1	10	0.75	70	0.85	4.3E-06	4.3E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
183	3.80678	1.2E-02	4.5E-02	1090	1	0.96	1E-06	4.75E-05	1.1	10	0.75	70	0.85	4.8E-06	4.8E+00	
184	4.28416	1.2E-02	5.1E-02	1090	1	0.96	1E-06	5.35E-05	1.1	10	0.75	70	0.85	5.3E-06	5.3E+00	
185	5.02821	1.2E-02	6.0E-02	1090	1	0.96	1E-06	6.28E-05	1.1	10	0.75	70	0.85	6.3E-06	6.3E+00	
186	6.27488	1.2E-02	7.5E-02	1090	1	0.96	1E-06	7.84E-05	1.1	10	0.75	70	0.85	7.8E-06	7.8E+00	
187	8.47263	1.2E-02	1.0E-01	1090	1	0.96	1E-06	1.06E-04	1.1	10	0.75	70	0.85	1.1E-05	1.1E+01	
188	11.55236	1.2E-02	1.4E-01	1090	1	0.96	1E-06	1.44E-04	1.1	10	0.75	70	0.85	1.4E-05	1.4E+01	
189	13.07181	1.2E-02	1.6E-01	1090	1	0.96	1E-06	1.63E-04	1.1	10	0.75	70	0.85	1.6E-05	1.6E+01	
190	13.16285	1.2E-02	1.6E-01	1090	1	0.96	1E-06	1.64E-04	1.1	10	0.75	70	0.85	1.6E-05	1.6E+01	
191	12.94074	1.2E-02	1.5E-01	1090	1	0.96	1E-06	1.62E-04	1.1	10	0.75	70	0.85	1.6E-05	1.6E+01	
192	12.67607	1.2E-02	1.5E-01	1090	1	0.96	1E-06	1.58E-04	1.1	10	0.75	70	0.85	1.6E-05	1.6E+01	
193	12.41598	1.2E-02	1.5E-01	1090	1	0.96	1E-06	1.55E-04	1.1	10	0.75	70	0.85	1.6E-05	1.6E+01	
194	12.16833	1.2E-02	1.5E-01	1090	1	0.96	1E-06	1.52E-04	1.1	10	0.75	70	0.85	1.5E-05	1.5E+01	
195	11.92909	1.2E-02	1.4E-01	1090	1	0.96	1E-06	1.49E-04	1.1	10	0.75	70	0.85	1.5E-05	1.5E+01	
196	11.68968	1.2E-02	1.4E-01	1090	1	0.96	1E-06	1.46E-04	1.1	10	0.75	70	0.85	1.5E-05	1.5E+01	
197	11.44276	1.2E-02	1.4E-01	1090	1	0.96	1E-06	1.43E-04	1.1	10	0.75	70	0.85	1.4E-05	1.4E+01	
198	11.17262	1.2E-02	1.3E-01	1090	1	0.96	1E-06	1.40E-04	1.1	10	0.75	70	0.85	1.4E-05	1.4E+01	
199	10.86481	1.2E-02	1.3E-01	1090	1	0.96	1E-06	1.36E-04	1.1	10	0.75	70	0.85	1.4E-05	1.4E+01	
200	10.47804	1.2E-02	1.3E-01	1090	1	0.96	1E-06	1.31E-04	1.1	10	0.75	70	0.85	1.3E-05	1.3E+01	
201	5.27049	1.2E-02	6.3E-02	1090	1	0.96	1E-06	6.58E-05	1.1	10	0.75	70	0.85	6.6E-06	6.6E+00	
202	3.39911	1.2E-02	4.1E-02	1090	1	0.96	1E-06	4.24E-05	1.1	10	0.75	70	0.85	4.2E-06	4.2E+00	
203	2.4373	1.2E-02	2.9E-02	1090	1	0.96	1E-06	3.04E-05	1.1	10	0.75	70	0.85	3.0E-06	3.0E+00	
204	1.91458	1.2E-02	2.3E-02	1090	1	0.96	1E-06	2.39E-05	1.1	10	0.75	70	0.85	2.4E-06	2.4E+00	
205	1.58526	1.2E-02	1.9E-02	1090	1	0.96	1E-06	1.98E-05	1.1	10	0.75	70	0.85	2.0E-06	2.0E+00	
206	1.35697	1.2E-02	1.6E-02	1090	1	0.96	1E-06	1.69E-05	1.1	10	0.75	70	0.85	1.7E-06	1.7E+00	
207	1.188	1.2E-02	1.4E-02	1090	1	0.96	1E-06	1.48E-05	1.1	10	0.75	70	0.85	1.5E-06	1.5E+00	
208	3.55284	1.2E-02	4.2E-02	1090	1	0.96	1E-06	4.44E-05	1.1	10	0.75	70	0.85	4.4E-06	4.4E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
209	3.81346	1.2E-02	4.6E-02	1090	1	0.96	1E-06	4.76E-05	1.1	10	0.75	70	0.85	4.8E-06	4.8E+00	
210	4.1964	1.2E-02	5.0E-02	1090	1	0.96	1E-06	5.24E-05	1.1	10	0.75	70	0.85	5.2E-06	5.2E+00	
211	4.79186	1.2E-02	5.7E-02	1090	1	0.96	1E-06	5.98E-05	1.1	10	0.75	70	0.85	6.0E-06	6.0E+00	
212	5.80751	1.2E-02	6.9E-02	1090	1	0.96	1E-06	7.25E-05	1.1	10	0.75	70	0.85	7.3E-06	7.3E+00	
213	7.85048	1.2E-02	9.4E-02	1090	1	0.96	1E-06	9.80E-05	1.1	10	0.75	70	0.85	9.8E-06	9.8E+00	
214	13.83126	1.2E-02	1.7E-01	1090	1	0.96	1E-06	1.73E-04	1.1	10	0.75	70	0.85	1.7E-05	1.7E+01	
215	24.85754	1.2E-02	3.0E-01	1090	1	0.96	1E-06	3.10E-04	1.1	10	0.75	70	0.85	3.1E-05	3.1E+01	
216	18.81866	1.2E-02	2.2E-01	1090	1	0.96	1E-06	2.35E-04	1.1	10	0.75	70	0.85	2.3E-05	2.3E+01	
217	17.98868	1.2E-02	2.1E-01	1090	1	0.96	1E-06	2.25E-04	1.1	10	0.75	70	0.85	2.2E-05	2.2E+01	
218	23.65848	1.2E-02	2.8E-01	1090	1	0.96	1E-06	2.95E-04	1.1	10	0.75	70	0.85	3.0E-05	3.0E+01	
219	16.96975	1.2E-02	2.0E-01	1090	1	0.96	1E-06	2.12E-04	1.1	10	0.75	70	0.85	2.1E-05	2.1E+01	
220	16.72203	1.2E-02	2.0E-01	1090	1	0.96	1E-06	2.09E-04	1.1	10	0.75	70	0.85	2.1E-05	2.1E+01	
221	22.279	1.2E-02	2.7E-01	1090	1	0.96	1E-06	2.78E-04	1.1	10	0.75	70	0.85	2.8E-05	2.8E+01	
222	16.02907	1.2E-02	1.9E-01	1090	1	0.96	1E-06	2.00E-04	1.1	10	0.75	70	0.85	2.0E-05	2.0E+01	
223	21.99734	1.2E-02	2.6E-01	1090	1	0.96	1E-06	2.75E-04	1.1	10	0.75	70	0.85	2.7E-05	2.7E+01	
224	21.17404	1.2E-02	2.5E-01	1090	1	0.96	1E-06	2.64E-04	1.1	10	0.75	70	0.85	2.6E-05	2.6E+01	
225	15.19247	1.2E-02	1.8E-01	1090	1	0.96	1E-06	1.90E-04	1.1	10	0.75	70	0.85	1.9E-05	1.9E+01	
226	20.65646	1.2E-02	2.5E-01	1090	1	0.96	1E-06	2.58E-04	1.1	10	0.75	70	0.85	2.6E-05	2.6E+01	
227	19.83985	1.2E-02	2.4E-01	1090	1	0.96	1E-06	2.48E-04	1.1	10	0.75	70	0.85	2.5E-05	2.5E+01	
228	8.16222	1.2E-02	9.8E-02	1090	1	0.96	1E-06	1.02E-04	1.1	10	0.75	70	0.85	1.0E-05	1.0E+01	
229	3.74737	1.2E-02	4.5E-02	1090	1	0.96	1E-06	4.68E-05	1.1	10	0.75	70	0.85	4.7E-06	4.7E+00	
230	2.54002	1.2E-02	3.0E-02	1090	1	0.96	1E-06	3.17E-05	1.1	10	0.75	70	0.85	3.2E-06	3.2E+00	
231	1.9602	1.2E-02	2.3E-02	1090	1	0.96	1E-06	2.45E-05	1.1	10	0.75	70	0.85	2.4E-06	2.4E+00	
232	1.61133	1.2E-02	1.9E-02	1090	1	0.96	1E-06	2.01E-05	1.1	10	0.75	70	0.85	2.0E-06	2.0E+00	
233	1.37386	1.2E-02	1.6E-02	1090	1	0.96	1E-06	1.72E-05	1.1	10	0.75	70	0.85	1.7E-06	1.7E+00	
234	1.20194	1.2E-02	1.4E-02	1090	1	0.96	1E-06	1.50E-05	1.1	10	0.75	70	0.85	1.5E-06	1.5E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
235	0.85184	1.2E-02	1.0E-02	1090	1	0.96	1E-06	1.06E-05	1.1	10	0.75	70	0.85	1.1E-06	1.1E+00	
236	0.91874	1.2E-02	1.1E-02	1090	1	0.96	1E-06	1.15E-05	1.1	10	0.75	70	0.85	1.1E-06	1.1E+00	
237	0.99355	1.2E-02	1.2E-02	1090	1	0.96	1E-06	1.24E-05	1.1	10	0.75	70	0.85	1.2E-06	1.2E+00	
238	1.07675	1.2E-02	1.3E-02	1090	1	0.96	1E-06	1.34E-05	1.1	10	0.75	70	0.85	1.3E-06	1.3E+00	
239	1.16878	1.2E-02	1.4E-02	1090	1	0.96	1E-06	1.46E-05	1.1	10	0.75	70	0.85	1.5E-06	1.5E+00	
240	1.26969	1.2E-02	1.5E-02	1090	1	0.96	1E-06	1.59E-05	1.1	10	0.75	70	0.85	1.6E-06	1.6E+00	
241	2.18807	1.2E-02	2.6E-02	1090	1	0.96	1E-06	2.73E-05	1.1	10	0.75	70	0.85	2.7E-06	2.7E+00	
242	2.27275	1.2E-02	2.7E-02	1090	1	0.96	1E-06	2.84E-05	1.1	10	0.75	70	0.85	2.8E-06	2.8E+00	
243	2.34769	1.2E-02	2.8E-02	1090	1	0.96	1E-06	2.93E-05	1.1	10	0.75	70	0.85	2.9E-06	2.9E+00	
244	2.45327	1.2E-02	2.9E-02	1090	1	0.96	1E-06	3.06E-05	1.1	10	0.75	70	0.85	3.1E-06	3.1E+00	
245	2.47478	1.2E-02	3.0E-02	1090	1	0.96	1E-06	3.09E-05	1.1	10	0.75	70	0.85	3.1E-06	3.1E+00	
246	2.5306	1.2E-02	3.0E-02	1090	1	0.96	1E-06	3.16E-05	1.1	10	0.75	70	0.85	3.2E-06	3.2E+00	
247	2.57797	1.2E-02	3.1E-02	1090	1	0.96	1E-06	3.22E-05	1.1	10	0.75	70	0.85	3.2E-06	3.2E+00	
248	2.62053	1.2E-02	3.1E-02	1090	1	0.96	1E-06	3.27E-05	1.1	10	0.75	70	0.85	3.3E-06	3.3E+00	
249	2.65839	1.2E-02	3.2E-02	1090	1	0.96	1E-06	3.32E-05	1.1	10	0.75	70	0.85	3.3E-06	3.3E+00	
250	2.6921	1.2E-02	3.2E-02	1090	1	0.96	1E-06	3.36E-05	1.1	10	0.75	70	0.85	3.4E-06	3.4E+00	
251	2.72497	1.2E-02	3.3E-02	1090	1	0.96	1E-06	3.40E-05	1.1	10	0.75	70	0.85	3.4E-06	3.4E+00	
252	2.75545	1.2E-02	3.3E-02	1090	1	0.96	1E-06	3.44E-05	1.1	10	0.75	70	0.85	3.4E-06	3.4E+00	
253	9.18468	1.2E-02	1.1E-01	1090	1	0.96	1E-06	1.15E-04	1.1	10	0.75	70	0.85	1.1E-05	1.1E+01	
254	18.54581	1.2E-02	2.2E-01	1090	1	0.96	1E-06	2.32E-04	1.1	10	0.75	70	0.85	2.3E-05	2.3E+01	
255	18.74571	1.2E-02	2.2E-01	1090	1	0.96	1E-06	2.34E-04	1.1	10	0.75	70	0.85	2.3E-05	2.3E+01	
256	18.75083	1.2E-02	2.2E-01	1090	1	0.96	1E-06	2.34E-04	1.1	10	0.75	70	0.85	2.3E-05	2.3E+01	
257	18.69138	1.2E-02	2.2E-01	1090	1	0.96	1E-06	2.33E-04	1.1	10	0.75	70	0.85	2.3E-05	2.3E+01	
258	18.65777	1.2E-02	2.2E-01	1090	1	0.96	1E-06	2.33E-04	1.1	10	0.75	70	0.85	2.3E-05	2.3E+01	
259	18.52991	1.2E-02	2.2E-01	1090	1	0.96	1E-06	2.31E-04	1.1	10	0.75	70	0.85	2.3E-05	2.3E+01	
260	18.19698	1.2E-02	2.2E-01	1090	1	0.96	1E-06	2.27E-04	1.1	10	0.75	70	0.85	2.3E-05	2.3E+01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
261	17.39541	1.2E-02	2.1E-01	1090	1	0.96	1E-06	2.17E-04	1.1	10	0.75	70	0.85	2.2E-05	2.2E+01	
262	14.63292	1.2E-02	1.7E-01	1090	1	0.96	1E-06	1.83E-04	1.1	10	0.75	70	0.85	1.8E-05	1.8E+01	
263	0.88626	1.2E-02	1.1E-02	1090	1	0.96	1E-06	1.11E-05	1.1	10	0.75	70	0.85	1.1E-06	1.1E+00	
264	0.96232	1.2E-02	1.1E-02	1090	1	0.96	1E-06	1.20E-05	1.1	10	0.75	70	0.85	1.2E-06	1.2E+00	
265	1.04888	1.2E-02	1.3E-02	1090	1	0.96	1E-06	1.31E-05	1.1	10	0.75	70	0.85	1.3E-06	1.3E+00	
266	1.14707	1.2E-02	1.4E-02	1090	1	0.96	1E-06	1.43E-05	1.1	10	0.75	70	0.85	1.4E-06	1.4E+00	
267	1.25783	1.2E-02	1.5E-02	1090	1	0.96	1E-06	1.57E-05	1.1	10	0.75	70	0.85	1.6E-06	1.6E+00	
268	1.3816	1.2E-02	1.7E-02	1090	1	0.96	1E-06	1.73E-05	1.1	10	0.75	70	0.85	1.7E-06	1.7E+00	
269	2.60724	1.2E-02	3.1E-02	1090	1	0.96	1E-06	3.26E-05	1.1	10	0.75	70	0.85	3.3E-06	3.3E+00	
270	2.7622	1.2E-02	3.3E-02	1090	1	0.96	1E-06	3.45E-05	1.1	10	0.75	70	0.85	3.4E-06	3.4E+00	
271	2.86337	1.2E-02	3.4E-02	1090	1	0.96	1E-06	3.58E-05	1.1	10	0.75	70	0.85	3.6E-06	3.6E+00	
272	2.82726	1.2E-02	3.4E-02	1090	1	0.96	1E-06	3.53E-05	1.1	10	0.75	70	0.85	3.5E-06	3.5E+00	
273	2.89037	1.2E-02	3.5E-02	1090	1	0.96	1E-06	3.61E-05	1.1	10	0.75	70	0.85	3.6E-06	3.6E+00	
274	2.94083	1.2E-02	3.5E-02	1090	1	0.96	1E-06	3.67E-05	1.1	10	0.75	70	0.85	3.7E-06	3.7E+00	
275	2.97945	1.2E-02	3.6E-02	1090	1	0.96	1E-06	3.72E-05	1.1	10	0.75	70	0.85	3.7E-06	3.7E+00	
276	3.02709	1.2E-02	3.6E-02	1090	1	0.96	1E-06	3.78E-05	1.1	10	0.75	70	0.85	3.8E-06	3.8E+00	
277	3.06497	1.2E-02	3.7E-02	1090	1	0.96	1E-06	3.83E-05	1.1	10	0.75	70	0.85	3.8E-06	3.8E+00	
278	3.09949	1.2E-02	3.7E-02	1090	1	0.96	1E-06	3.87E-05	1.1	10	0.75	70	0.85	3.9E-06	3.9E+00	
279	3.1314	1.2E-02	3.7E-02	1090	1	0.96	1E-06	3.91E-05	1.1	10	0.75	70	0.85	3.9E-06	3.9E+00	
280	9.92427	1.2E-02	1.2E-01	1090	1	0.96	1E-06	1.24E-04	1.1	10	0.75	70	0.85	1.2E-05	1.2E+01	
281	19.2208	1.2E-02	2.3E-01	1090	1	0.96	1E-06	2.40E-04	1.1	10	0.75	70	0.85	2.4E-05	2.4E+01	
282	9.2964	1.2E-02	1.1E-01	1090	1	0.96	1E-06	1.16E-04	1.1	10	0.75	70	0.85	1.2E-05	1.2E+01	
283	9.11691	1.2E-02	1.1E-01	1090	1	0.96	1E-06	1.14E-04	1.1	10	0.75	70	0.85	1.1E-05	1.1E+01	
284	8.93361	1.2E-02	1.1E-01	1090	1	0.96	1E-06	1.12E-04	1.1	10	0.75	70	0.85	1.1E-05	1.1E+01	
285	8.71373	1.2E-02	1.0E-01	1090	1	0.96	1E-06	1.09E-04	1.1	10	0.75	70	0.85	1.1E-05	1.1E+01	
286	8.43025	1.2E-02	1.0E-01	1090	1	0.96	1E-06	1.05E-04	1.1	10	0.75	70	0.85	1.1E-05	1.1E+01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
287	8.00921	1.2E-02	9.6E-02	1090	1	0.96	1E-06	1.00E-04	1.1	10	0.75	70	0.85	1.0E-05	1.0E+01	
288	7.31242	1.2E-02	8.7E-02	1090	1	0.96	1E-06	9.13E-05	1.1	10	0.75	70	0.85	9.1E-06	9.1E+00	
289	6.08984	1.2E-02	7.3E-02	1090	1	0.96	1E-06	7.61E-05	1.1	10	0.75	70	0.85	7.6E-06	7.6E+00	
290	0.92061	1.2E-02	1.1E-02	1090	1	0.96	1E-06	1.15E-05	1.1	10	0.75	70	0.85	1.1E-06	1.1E+00	
291	1.00709	1.2E-02	1.2E-02	1090	1	0.96	1E-06	1.26E-05	1.1	10	0.75	70	0.85	1.3E-06	1.3E+00	
292	1.10769	1.2E-02	1.3E-02	1090	1	0.96	1E-06	1.38E-05	1.1	10	0.75	70	0.85	1.4E-06	1.4E+00	
293	1.22484	1.2E-02	1.5E-02	1090	1	0.96	1E-06	1.53E-05	1.1	10	0.75	70	0.85	1.5E-06	1.5E+00	
294	1.36029	1.2E-02	1.6E-02	1090	1	0.96	1E-06	1.70E-05	1.1	10	0.75	70	0.85	1.7E-06	1.7E+00	
295	1.51584	1.2E-02	1.8E-02	1090	1	0.96	1E-06	1.89E-05	1.1	10	0.75	70	0.85	1.9E-06	1.9E+00	
296	3.05432	1.2E-02	3.6E-02	1090	1	0.96	1E-06	3.81E-05	1.1	10	0.75	70	0.85	3.8E-06	3.8E+00	
297	3.25884	1.2E-02	3.9E-02	1090	1	0.96	1E-06	4.07E-05	1.1	10	0.75	70	0.85	4.1E-06	4.1E+00	
298	3.32782	1.2E-02	4.0E-02	1090	1	0.96	1E-06	4.16E-05	1.1	10	0.75	70	0.85	4.2E-06	4.2E+00	
299	3.29231	1.2E-02	3.9E-02	1090	1	0.96	1E-06	4.11E-05	1.1	10	0.75	70	0.85	4.1E-06	4.1E+00	
300	3.36209	1.2E-02	4.0E-02	1090	1	0.96	1E-06	4.20E-05	1.1	10	0.75	70	0.85	4.2E-06	4.2E+00	
301	3.41751	1.2E-02	4.1E-02	1090	1	0.96	1E-06	4.27E-05	1.1	10	0.75	70	0.85	4.3E-06	4.3E+00	
302	3.51398	1.2E-02	4.2E-02	1090	1	0.96	1E-06	4.39E-05	1.1	10	0.75	70	0.85	4.4E-06	4.4E+00	
303	3.50564	1.2E-02	4.2E-02	1090	1	0.96	1E-06	4.38E-05	1.1	10	0.75	70	0.85	4.4E-06	4.4E+00	
304	3.55148	1.2E-02	4.2E-02	1090	1	0.96	1E-06	4.44E-05	1.1	10	0.75	70	0.85	4.4E-06	4.4E+00	
305	3.58795	1.2E-02	4.3E-02	1090	1	0.96	1E-06	4.48E-05	1.1	10	0.75	70	0.85	4.5E-06	4.5E+00	
306	3.62379	1.2E-02	4.3E-02	1090	1	0.96	1E-06	4.53E-05	1.1	10	0.75	70	0.85	4.5E-06	4.5E+00	
307	4.21274	1.2E-02	5.0E-02	1090	1	0.96	1E-06	5.26E-05	1.1	10	0.75	70	0.85	5.3E-06	5.3E+00	
308	4.27041	1.2E-02	5.1E-02	1090	1	0.96	1E-06	5.33E-05	1.1	10	0.75	70	0.85	5.3E-06	5.3E+00	
309	10.35399	1.2E-02	1.2E-01	1090	1	0.96	1E-06	1.29E-04	1.1	10	0.75	70	0.85	1.3E-05	1.3E+01	
310	19.35357	1.2E-02	2.3E-01	1090	1	0.96	1E-06	2.42E-04	1.1	10	0.75	70	0.85	2.4E-05	2.4E+01	
311	6.44868	1.2E-02	7.7E-02	1090	1	0.96	1E-06	8.05E-05	1.1	10	0.75	70	0.85	8.1E-06	8.1E+00	
312	6.24443	1.2E-02	7.5E-02	1090	1	0.96	1E-06	7.80E-05	1.1	10	0.75	70	0.85	7.8E-06	7.8E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
313	6.03878	1.2E-02	7.2E-02	1090	1	0.96	1E-06	7.54E-05	1.1	10	0.75	70	0.85	7.5E-06	7.5E+00	
314	5.8135	1.2E-02	6.9E-02	1090	1	0.96	1E-06	7.26E-05	1.1	10	0.75	70	0.85	7.3E-06	7.3E+00	
315	5.53968	1.2E-02	6.6E-02	1090	1	0.96	1E-06	6.92E-05	1.1	10	0.75	70	0.85	6.9E-06	6.9E+00	
316	5.18534	1.2E-02	6.2E-02	1090	1	0.96	1E-06	6.48E-05	1.1	10	0.75	70	0.85	6.5E-06	6.5E+00	
317	4.69863	1.2E-02	5.6E-02	1090	1	0.96	1E-06	5.87E-05	1.1	10	0.75	70	0.85	5.9E-06	5.9E+00	
318	4.0465	1.2E-02	4.8E-02	1090	1	0.96	1E-06	5.05E-05	1.1	10	0.75	70	0.85	5.1E-06	5.1E+00	
319	0.95361	1.2E-02	1.1E-02	1090	1	0.96	1E-06	1.19E-05	1.1	10	0.75	70	0.85	1.2E-06	1.2E+00	
320	1.05149	1.2E-02	1.3E-02	1090	1	0.96	1E-06	1.31E-05	1.1	10	0.75	70	0.85	1.3E-06	1.3E+00	
321	1.16854	1.2E-02	1.4E-02	1090	1	0.96	1E-06	1.46E-05	1.1	10	0.75	70	0.85	1.5E-06	1.5E+00	
322	1.30902	1.2E-02	1.6E-02	1090	1	0.96	1E-06	1.63E-05	1.1	10	0.75	70	0.85	1.6E-06	1.6E+00	
323	1.47788	1.2E-02	1.8E-02	1090	1	0.96	1E-06	1.85E-05	1.1	10	0.75	70	0.85	1.8E-06	1.8E+00	
324	1.67866	1.2E-02	2.0E-02	1090	1	0.96	1E-06	2.10E-05	1.1	10	0.75	70	0.85	2.1E-06	2.1E+00	
325	3.67326	1.2E-02	4.4E-02	1090	1	0.96	1E-06	4.59E-05	1.1	10	0.75	70	0.85	4.6E-06	4.6E+00	
326	3.7704	1.2E-02	4.5E-02	1090	1	0.96	1E-06	4.71E-05	1.1	10	0.75	70	0.85	4.7E-06	4.7E+00	
327	3.85278	1.2E-02	4.6E-02	1090	1	0.96	1E-06	4.81E-05	1.1	10	0.75	70	0.85	4.8E-06	4.8E+00	
328	3.93469	1.2E-02	4.7E-02	1090	1	0.96	1E-06	4.91E-05	1.1	10	0.75	70	0.85	4.9E-06	4.9E+00	
329	4.01154	1.2E-02	4.8E-02	1090	1	0.96	1E-06	5.01E-05	1.1	10	0.75	70	0.85	5.0E-06	5.0E+00	
330	4.06934	1.2E-02	4.9E-02	1090	1	0.96	1E-06	5.08E-05	1.1	10	0.75	70	0.85	5.1E-06	5.1E+00	
331	4.12338	1.2E-02	4.9E-02	1090	1	0.96	1E-06	5.15E-05	1.1	10	0.75	70	0.85	5.1E-06	5.1E+00	
332	4.15881	1.2E-02	5.0E-02	1090	1	0.96	1E-06	5.19E-05	1.1	10	0.75	70	0.85	5.2E-06	5.2E+00	
333	4.21862	1.2E-02	5.0E-02	1090	1	0.96	1E-06	5.27E-05	1.1	10	0.75	70	0.85	5.3E-06	5.3E+00	
334	4.25852	1.2E-02	5.1E-02	1090	1	0.96	1E-06	5.32E-05	1.1	10	0.75	70	0.85	5.3E-06	5.3E+00	
335	4.29933	1.2E-02	5.1E-02	1090	1	0.96	1E-06	5.37E-05	1.1	10	0.75	70	0.85	5.4E-06	5.4E+00	
336	4.92738	1.2E-02	5.9E-02	1090	1	0.96	1E-06	6.15E-05	1.1	10	0.75	70	0.85	6.2E-06	6.2E+00	
337	4.97831	1.2E-02	5.9E-02	1090	1	0.96	1E-06	6.22E-05	1.1	10	0.75	70	0.85	6.2E-06	6.2E+00	
338	10.73068	1.2E-02	1.3E-01	1090	1	0.96	1E-06	1.34E-04	1.1	10	0.75	70	0.85	1.3E-05	1.3E+01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
339	19.44776	1.2E-02	2.3E-01	1090	1	0.96	1E-06	2.43E-04	1.1	10	0.75	70	0.85	2.4E-05	2.4E+01	
340	3.53444	1.2E-02	4.2E-02	1090	1	0.96	1E-06	4.41E-05	1.1	10	0.75	70	0.85	4.4E-06	4.4E+00	
341	3.12388	1.2E-02	3.7E-02	1090	1	0.96	1E-06	3.90E-05	1.1	10	0.75	70	0.85	3.9E-06	3.9E+00	
342	0.98382	1.2E-02	1.2E-02	1090	1	0.96	1E-06	1.23E-05	1.1	10	0.75	70	0.85	1.2E-06	1.2E+00	
343	1.09355	1.2E-02	1.3E-02	1090	1	0.96	1E-06	1.37E-05	1.1	10	0.75	70	0.85	1.4E-06	1.4E+00	
344	1.22868	1.2E-02	1.5E-02	1090	1	0.96	1E-06	1.53E-05	1.1	10	0.75	70	0.85	1.5E-06	1.5E+00	
345	1.3975	1.2E-02	1.7E-02	1090	1	0.96	1E-06	1.75E-05	1.1	10	0.75	70	0.85	1.7E-06	1.7E+00	
346	1.61045	1.2E-02	1.9E-02	1090	1	0.96	1E-06	2.01E-05	1.1	10	0.75	70	0.85	2.0E-06	2.0E+00	
347	1.87816	1.2E-02	2.2E-02	1090	1	0.96	1E-06	2.35E-05	1.1	10	0.75	70	0.85	2.3E-06	2.3E+00	
348	4.45123	1.2E-02	5.3E-02	1090	1	0.96	1E-06	5.56E-05	1.1	10	0.75	70	0.85	5.6E-06	5.6E+00	
349	4.58657	1.2E-02	5.5E-02	1090	1	0.96	1E-06	5.73E-05	1.1	10	0.75	70	0.85	5.7E-06	5.7E+00	
350	4.69925	1.2E-02	5.6E-02	1090	1	0.96	1E-06	5.87E-05	1.1	10	0.75	70	0.85	5.9E-06	5.9E+00	
351	4.79102	1.2E-02	5.7E-02	1090	1	0.96	1E-06	5.98E-05	1.1	10	0.75	70	0.85	6.0E-06	6.0E+00	
352	4.87901	1.2E-02	5.8E-02	1090	1	0.96	1E-06	6.09E-05	1.1	10	0.75	70	0.85	6.1E-06	6.1E+00	
353	4.96253	1.2E-02	5.9E-02	1090	1	0.96	1E-06	6.20E-05	1.1	10	0.75	70	0.85	6.2E-06	6.2E+00	
354	5.02997	1.2E-02	6.0E-02	1090	1	0.96	1E-06	6.28E-05	1.1	10	0.75	70	0.85	6.3E-06	6.3E+00	
355	5.09097	1.2E-02	6.1E-02	1090	1	0.96	1E-06	6.36E-05	1.1	10	0.75	70	0.85	6.4E-06	6.4E+00	
356	5.12463	1.2E-02	6.1E-02	1090	1	0.96	1E-06	6.40E-05	1.1	10	0.75	70	0.85	6.4E-06	6.4E+00	
357	5.18649	1.2E-02	6.2E-02	1090	1	0.96	1E-06	6.48E-05	1.1	10	0.75	70	0.85	6.5E-06	6.5E+00	
358	5.24862	1.2E-02	6.3E-02	1090	1	0.96	1E-06	6.55E-05	1.1	10	0.75	70	0.85	6.6E-06	6.6E+00	
359	5.29483	1.2E-02	6.3E-02	1090	1	0.96	1E-06	6.61E-05	1.1	10	0.75	70	0.85	6.6E-06	6.6E+00	
360	5.84885	1.2E-02	7.0E-02	1090	1	0.96	1E-06	7.30E-05	1.1	10	0.75	70	0.85	7.3E-06	7.3E+00	
361	5.87902	1.2E-02	7.0E-02	1090	1	0.96	1E-06	7.34E-05	1.1	10	0.75	70	0.85	7.3E-06	7.3E+00	
362	5.99987	1.2E-02	7.2E-02	1090	1	0.96	1E-06	7.49E-05	1.1	10	0.75	70	0.85	7.5E-06	7.5E+00	
363	6.03968	1.2E-02	7.2E-02	1090	1	0.96	1E-06	7.54E-05	1.1	10	0.75	70	0.85	7.5E-06	7.5E+00	
364	11.25254	1.2E-02	1.3E-01	1090	1	0.96	1E-06	1.41E-04	1.1	10	0.75	70	0.85	1.4E-05	1.4E+01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
365	19.64807	1.2E-02	2.3E-01	1090	1	0.96	1E-06	2.45E-04	1.1	10	0.75	70	0.85	2.5E-05	2.5E+01	
366	5.84158	1.2E-02	7.0E-02	1090	1	0.96	1E-06	7.30E-05	1.1	10	0.75	70	0.85	7.3E-06	7.3E+00	
367	5.19786	1.2E-02	6.2E-02	1090	1	0.96	1E-06	6.49E-05	1.1	10	0.75	70	0.85	6.5E-06	6.5E+00	
368	4.76938	1.2E-02	5.7E-02	1090	1	0.96	1E-06	5.96E-05	1.1	10	0.75	70	0.85	6.0E-06	6.0E+00	
369	2.87895	1.2E-02	3.4E-02	1090	1	0.96	1E-06	3.60E-05	1.1	10	0.75	70	0.85	3.6E-06	3.6E+00	
370	2.5906	1.2E-02	3.1E-02	1090	1	0.96	1E-06	3.24E-05	1.1	10	0.75	70	0.85	3.2E-06	3.2E+00	
371	2.29333	1.2E-02	2.7E-02	1090	1	0.96	1E-06	2.86E-05	1.1	10	0.75	70	0.85	2.9E-06	2.9E+00	
372	2.01085	1.2E-02	2.4E-02	1090	1	0.96	1E-06	2.51E-05	1.1	10	0.75	70	0.85	2.5E-06	2.5E+00	
373	1.75992	1.2E-02	2.1E-02	1090	1	0.96	1E-06	2.20E-05	1.1	10	0.75	70	0.85	2.2E-06	2.2E+00	
374	1.54911	1.2E-02	1.9E-02	1090	1	0.96	1E-06	1.93E-05	1.1	10	0.75	70	0.85	1.9E-06	1.9E+00	
375	1.37188	1.2E-02	1.6E-02	1090	1	0.96	1E-06	1.71E-05	1.1	10	0.75	70	0.85	1.7E-06	1.7E+00	
376	1.22419	1.2E-02	1.5E-02	1090	1	0.96	1E-06	1.53E-05	1.1	10	0.75	70	0.85	1.5E-06	1.5E+00	
377	1.10422	1.2E-02	1.3E-02	1090	1	0.96	1E-06	1.38E-05	1.1	10	0.75	70	0.85	1.4E-06	1.4E+00	
378	1.00943	1.2E-02	1.2E-02	1090	1	0.96	1E-06	1.26E-05	1.1	10	0.75	70	0.85	1.3E-06	1.3E+00	
379	1.13041	1.2E-02	1.4E-02	1090	1	0.96	1E-06	1.41E-05	1.1	10	0.75	70	0.85	1.4E-06	1.4E+00	
380	1.28417	1.2E-02	1.5E-02	1090	1	0.96	1E-06	1.60E-05	1.1	10	0.75	70	0.85	1.6E-06	1.6E+00	
381	1.48477	1.2E-02	1.8E-02	1090	1	0.96	1E-06	1.85E-05	1.1	10	0.75	70	0.85	1.9E-06	1.9E+00	
382	1.75389	1.2E-02	2.1E-02	1090	1	0.96	1E-06	2.19E-05	1.1	10	0.75	70	0.85	2.2E-06	2.2E+00	
383	2.12178	1.2E-02	2.5E-02	1090	1	0.96	1E-06	2.65E-05	1.1	10	0.75	70	0.85	2.6E-06	2.6E+00	
384	5.91565	1.2E-02	7.1E-02	1090	1	0.96	1E-06	7.39E-05	1.1	10	0.75	70	0.85	7.4E-06	7.4E+00	
385	6.0714	1.2E-02	7.3E-02	1090	1	0.96	1E-06	7.58E-05	1.1	10	0.75	70	0.85	7.6E-06	7.6E+00	
386	6.20719	1.2E-02	7.4E-02	1090	1	0.96	1E-06	7.75E-05	1.1	10	0.75	70	0.85	7.8E-06	7.8E+00	
387	6.31584	1.2E-02	7.5E-02	1090	1	0.96	1E-06	7.89E-05	1.1	10	0.75	70	0.85	7.9E-06	7.9E+00	
388	6.42088	1.2E-02	7.7E-02	1090	1	0.96	1E-06	8.02E-05	1.1	10	0.75	70	0.85	8.0E-06	8.0E+00	
389	6.51133	1.2E-02	7.8E-02	1090	1	0.96	1E-06	8.13E-05	1.1	10	0.75	70	0.85	8.1E-06	8.1E+00	
390	6.59453	1.2E-02	7.9E-02	1090	1	0.96	1E-06	8.24E-05	1.1	10	0.75	70	0.85	8.2E-06	8.2E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
391	6.6699	1.2E-02	8.0E-02	1090	1	0.96	1E-06	8.33E-05	1.1	10	0.75	70	0.85	8.3E-06	8.3E+00	
392	6.73952	1.2E-02	8.1E-02	1090	1	0.96	1E-06	8.42E-05	1.1	10	0.75	70	0.85	8.4E-06	8.4E+00	
393	6.80546	1.2E-02	8.1E-02	1090	1	0.96	1E-06	8.50E-05	1.1	10	0.75	70	0.85	8.5E-06	8.5E+00	
394	6.87083	1.2E-02	8.2E-02	1090	1	0.96	1E-06	8.58E-05	1.1	10	0.75	70	0.85	8.6E-06	8.6E+00	
395	6.93316	1.2E-02	8.3E-02	1090	1	0.96	1E-06	8.66E-05	1.1	10	0.75	70	0.85	8.7E-06	8.7E+00	
396	7.72716	1.2E-02	9.2E-02	1090	1	0.96	1E-06	9.65E-05	1.1	10	0.75	70	0.85	9.6E-06	9.6E+00	
397	7.76853	1.2E-02	9.3E-02	1090	1	0.96	1E-06	9.70E-05	1.1	10	0.75	70	0.85	9.7E-06	9.7E+00	
398	7.82615	1.2E-02	9.4E-02	1090	1	0.96	1E-06	9.77E-05	1.1	10	0.75	70	0.85	9.8E-06	9.8E+00	
399	7.8451	1.2E-02	9.4E-02	1090	1	0.96	1E-06	9.80E-05	1.1	10	0.75	70	0.85	9.8E-06	9.8E+00	
400	12.21593	1.2E-02	1.5E-01	1090	1	0.96	1E-06	1.53E-04	1.1	10	0.75	70	0.85	1.5E-05	1.5E+01	
401	20.13681	1.2E-02	2.4E-01	1090	1	0.96	1E-06	2.51E-04	1.1	10	0.75	70	0.85	2.5E-05	2.5E+01	
402	5.28732	1.2E-02	6.3E-02	1090	1	0.96	1E-06	6.60E-05	1.1	10	0.75	70	0.85	6.6E-06	6.6E+00	
403	4.63966	1.2E-02	5.5E-02	1090	1	0.96	1E-06	5.79E-05	1.1	10	0.75	70	0.85	5.8E-06	5.8E+00	
404	4.20748	1.2E-02	5.0E-02	1090	1	0.96	1E-06	5.25E-05	1.1	10	0.75	70	0.85	5.3E-06	5.3E+00	
405	2.45804	1.2E-02	2.9E-02	1090	1	0.96	1E-06	3.07E-05	1.1	10	0.75	70	0.85	3.1E-06	3.1E+00	
406	2.23776	1.2E-02	2.7E-02	1090	1	0.96	1E-06	2.79E-05	1.1	10	0.75	70	0.85	2.8E-06	2.8E+00	
407	2.01674	1.2E-02	2.4E-02	1090	1	0.96	1E-06	2.52E-05	1.1	10	0.75	70	0.85	2.5E-06	2.5E+00	
408	1.80806	1.2E-02	2.2E-02	1090	1	0.96	1E-06	2.26E-05	1.1	10	0.75	70	0.85	2.3E-06	2.3E+00	
409	1.61514	1.2E-02	1.9E-02	1090	1	0.96	1E-06	2.02E-05	1.1	10	0.75	70	0.85	2.0E-06	2.0E+00	
410	1.44472	1.2E-02	1.7E-02	1090	1	0.96	1E-06	1.80E-05	1.1	10	0.75	70	0.85	1.8E-06	1.8E+00	
411	1.29972	1.2E-02	1.6E-02	1090	1	0.96	1E-06	1.62E-05	1.1	10	0.75	70	0.85	1.6E-06	1.6E+00	
412	1.1724	1.2E-02	1.4E-02	1090	1	0.96	1E-06	1.46E-05	1.1	10	0.75	70	0.85	1.5E-06	1.5E+00	
413	1.06636	1.2E-02	1.3E-02	1090	1	0.96	1E-06	1.33E-05	1.1	10	0.75	70	0.85	1.3E-06	1.3E+00	
414	1.02833	1.2E-02	1.2E-02	1090	1	0.96	1E-06	1.28E-05	1.1	10	0.75	70	0.85	1.3E-06	1.3E+00	
415	1.15854	1.2E-02	1.4E-02	1090	1	0.96	1E-06	1.45E-05	1.1	10	0.75	70	0.85	1.4E-06	1.4E+00	
416	1.32844	1.2E-02	1.6E-02	1090	1	0.96	1E-06	1.66E-05	1.1	10	0.75	70	0.85	1.7E-06	1.7E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
417	1.55983	1.2E-02	1.9E-02	1090	1	0.96	1E-06	1.95E-05	1.1	10	0.75	70	0.85	1.9E-06	1.9E+00	
418	1.89249	1.2E-02	2.3E-02	1090	1	0.96	1E-06	2.36E-05	1.1	10	0.75	70	0.85	2.4E-06	2.4E+00	
419	2.40245	1.2E-02	2.9E-02	1090	1	0.96	1E-06	3.00E-05	1.1	10	0.75	70	0.85	3.0E-06	3.0E+00	
420	8.20844	1.2E-02	9.8E-02	1090	1	0.96	1E-06	1.03E-04	1.1	10	0.75	70	0.85	1.0E-05	1.0E+01	
421	8.52389	1.2E-02	1.0E-01	1090	1	0.96	1E-06	1.06E-04	1.1	10	0.75	70	0.85	1.1E-05	1.1E+01	
422	8.76835	1.2E-02	1.0E-01	1090	1	0.96	1E-06	1.10E-04	1.1	10	0.75	70	0.85	1.1E-05	1.1E+01	
423	8.96964	1.2E-02	1.1E-01	1090	1	0.96	1E-06	1.12E-04	1.1	10	0.75	70	0.85	1.1E-05	1.1E+01	
424	9.14222	1.2E-02	1.1E-01	1090	1	0.96	1E-06	1.14E-04	1.1	10	0.75	70	0.85	1.1E-05	1.1E+01	
425	9.29607	1.2E-02	1.1E-01	1090	1	0.96	1E-06	1.16E-04	1.1	10	0.75	70	0.85	1.2E-05	1.2E+01	
426	9.43789	1.2E-02	1.1E-01	1090	1	0.96	1E-06	1.18E-04	1.1	10	0.75	70	0.85	1.2E-05	1.2E+01	
427	9.56765	1.2E-02	1.1E-01	1090	1	0.96	1E-06	1.19E-04	1.1	10	0.75	70	0.85	1.2E-05	1.2E+01	
428	9.69293	1.2E-02	1.2E-01	1090	1	0.96	1E-06	1.21E-04	1.1	10	0.75	70	0.85	1.2E-05	1.2E+01	
429	9.80901	1.2E-02	1.2E-01	1090	1	0.96	1E-06	1.22E-04	1.1	10	0.75	70	0.85	1.2E-05	1.2E+01	
430	9.92105	1.2E-02	1.2E-01	1090	1	0.96	1E-06	1.24E-04	1.1	10	0.75	70	0.85	1.2E-05	1.2E+01	
431	10.03076	1.2E-02	1.2E-01	1090	1	0.96	1E-06	1.25E-04	1.1	10	0.75	70	0.85	1.3E-05	1.3E+01	
432	10.13769	1.2E-02	1.2E-01	1090	1	0.96	1E-06	1.27E-04	1.1	10	0.75	70	0.85	1.3E-05	1.3E+01	
433	10.24597	1.2E-02	1.2E-01	1090	1	0.96	1E-06	1.28E-04	1.1	10	0.75	70	0.85	1.3E-05	1.3E+01	
434	11.82711	1.2E-02	1.4E-01	1090	1	0.96	1E-06	1.48E-04	1.1	10	0.75	70	0.85	1.5E-05	1.5E+01	
435	11.91592	1.2E-02	1.4E-01	1090	1	0.96	1E-06	1.49E-04	1.1	10	0.75	70	0.85	1.5E-05	1.5E+01	
436	11.81781	1.2E-02	1.4E-01	1090	1	0.96	1E-06	1.48E-04	1.1	10	0.75	70	0.85	1.5E-05	1.5E+01	
437	11.77817	1.2E-02	1.4E-01	1090	1	0.96	1E-06	1.47E-04	1.1	10	0.75	70	0.85	1.5E-05	1.5E+01	
438	11.73957	1.2E-02	1.4E-01	1090	1	0.96	1E-06	1.47E-04	1.1	10	0.75	70	0.85	1.5E-05	1.5E+01	
439	14.6681	1.2E-02	1.8E-01	1090	1	0.96	1E-06	1.83E-04	1.1	10	0.75	70	0.85	1.8E-05	1.8E+01	
440	21.5487	1.2E-02	2.6E-01	1090	1	0.96	1E-06	2.69E-04	1.1	10	0.75	70	0.85	2.7E-05	2.7E+01	
441	4.82568	1.2E-02	5.8E-02	1090	1	0.96	1E-06	6.03E-05	1.1	10	0.75	70	0.85	6.0E-06	6.0E+00	
442	4.20218	1.2E-02	5.0E-02	1090	1	0.96	1E-06	5.25E-05	1.1	10	0.75	70	0.85	5.2E-06	5.2E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
443	3.78265	1.2E-02	4.5E-02	1090	1	0.96	1E-06	4.72E-05	1.1	10	0.75	70	0.85	4.7E-06	4.7E+00	
444	3.47529	1.2E-02	4.2E-02	1090	1	0.96	1E-06	4.34E-05	1.1	10	0.75	70	0.85	4.3E-06	4.3E+00	
445	3.23451	1.2E-02	3.9E-02	1090	1	0.96	1E-06	4.04E-05	1.1	10	0.75	70	0.85	4.0E-06	4.0E+00	
446	3.03219	1.2E-02	3.6E-02	1090	1	0.96	1E-06	3.79E-05	1.1	10	0.75	70	0.85	3.8E-06	3.8E+00	
447	2.85232	1.2E-02	3.4E-02	1090	1	0.96	1E-06	3.56E-05	1.1	10	0.75	70	0.85	3.6E-06	3.6E+00	
448	2.67314	1.2E-02	3.2E-02	1090	1	0.96	1E-06	3.34E-05	1.1	10	0.75	70	0.85	3.3E-06	3.3E+00	
449	2.50607	1.2E-02	3.0E-02	1090	1	0.96	1E-06	3.13E-05	1.1	10	0.75	70	0.85	3.1E-06	3.1E+00	
450	2.33593	1.2E-02	2.8E-02	1090	1	0.96	1E-06	2.92E-05	1.1	10	0.75	70	0.85	2.9E-06	2.9E+00	
451	2.16292	1.2E-02	2.6E-02	1090	1	0.96	1E-06	2.70E-05	1.1	10	0.75	70	0.85	2.7E-06	2.7E+00	
452	1.98651	1.2E-02	2.4E-02	1090	1	0.96	1E-06	2.48E-05	1.1	10	0.75	70	0.85	2.5E-06	2.5E+00	
453	1.81213	1.2E-02	2.2E-02	1090	1	0.96	1E-06	2.26E-05	1.1	10	0.75	70	0.85	2.3E-06	2.3E+00	
454	1.64539	1.2E-02	2.0E-02	1090	1	0.96	1E-06	2.05E-05	1.1	10	0.75	70	0.85	2.1E-06	2.1E+00	
455	1.49344	1.2E-02	1.8E-02	1090	1	0.96	1E-06	1.87E-05	1.1	10	0.75	70	0.85	1.9E-06	1.9E+00	
456	1.35346	1.2E-02	1.6E-02	1090	1	0.96	1E-06	1.69E-05	1.1	10	0.75	70	0.85	1.7E-06	1.7E+00	
457	1.23158	1.2E-02	1.5E-02	1090	1	0.96	1E-06	1.54E-05	1.1	10	0.75	70	0.85	1.5E-06	1.5E+00	
458	1.12123	1.2E-02	1.3E-02	1090	1	0.96	1E-06	1.40E-05	1.1	10	0.75	70	0.85	1.4E-06	1.4E+00	
459	1.0251	1.2E-02	1.2E-02	1090	1	0.96	1E-06	1.28E-05	1.1	10	0.75	70	0.85	1.3E-06	1.3E+00	
460	1.03856	1.2E-02	1.2E-02	1090	1	0.96	1E-06	1.30E-05	1.1	10	0.75	70	0.85	1.3E-06	1.3E+00	
461	1.17485	1.2E-02	1.4E-02	1090	1	0.96	1E-06	1.47E-05	1.1	10	0.75	70	0.85	1.5E-06	1.5E+00	
462	1.35541	1.2E-02	1.6E-02	1090	1	0.96	1E-06	1.69E-05	1.1	10	0.75	70	0.85	1.7E-06	1.7E+00	
463	1.6086	1.2E-02	1.9E-02	1090	1	0.96	1E-06	2.01E-05	1.1	10	0.75	70	0.85	2.0E-06	2.0E+00	
464	1.99258	1.2E-02	2.4E-02	1090	1	0.96	1E-06	2.49E-05	1.1	10	0.75	70	0.85	2.5E-06	2.5E+00	
465	2.65552	1.2E-02	3.2E-02	1090	1	0.96	1E-06	3.32E-05	1.1	10	0.75	70	0.85	3.3E-06	3.3E+00	
466	16.28903	1.2E-02	1.9E-01	1090	1	0.96	1E-06	2.03E-04	1.1	10	0.75	70	0.85	2.0E-05	2.0E+01	
467	16.8094	1.2E-02	2.0E-01	1090	1	0.96	1E-06	2.10E-04	1.1	10	0.75	70	0.85	2.1E-05	2.1E+01	
468	17.26371	1.2E-02	2.1E-01	1090	1	0.96	1E-06	2.16E-04	1.1	10	0.75	70	0.85	2.2E-05	2.2E+01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
469	17.67089	1.2E-02	2.1E-01	1090	1	0.96	1E-06	2.21E-04	1.1	10	0.75	70	0.85	2.2E-05	2.2E+01	
470	18.04381	1.2E-02	2.2E-01	1090	1	0.96	1E-06	2.25E-04	1.1	10	0.75	70	0.85	2.3E-05	2.3E+01	
471	18.43174	1.2E-02	2.2E-01	1090	1	0.96	1E-06	2.30E-04	1.1	10	0.75	70	0.85	2.3E-05	2.3E+01	
472	18.80124	1.2E-02	2.2E-01	1090	1	0.96	1E-06	2.35E-04	1.1	10	0.75	70	0.85	2.3E-05	2.3E+01	
473	19.17216	1.2E-02	2.3E-01	1090	1	0.96	1E-06	2.39E-04	1.1	10	0.75	70	0.85	2.4E-05	2.4E+01	
474	19.54785	1.2E-02	2.3E-01	1090	1	0.96	1E-06	2.44E-04	1.1	10	0.75	70	0.85	2.4E-05	2.4E+01	
475	19.92912	1.2E-02	2.4E-01	1090	1	0.96	1E-06	2.49E-04	1.1	10	0.75	70	0.85	2.5E-05	2.5E+01	
476	20.30826	1.2E-02	2.4E-01	1090	1	0.96	1E-06	2.54E-04	1.1	10	0.75	70	0.85	2.5E-05	2.5E+01	
477	20.69762	1.2E-02	2.5E-01	1090	1	0.96	1E-06	2.58E-04	1.1	10	0.75	70	0.85	2.6E-05	2.6E+01	
478	21.10277	1.2E-02	2.5E-01	1090	1	0.96	1E-06	2.64E-04	1.1	10	0.75	70	0.85	2.6E-05	2.6E+01	
479	21.47947	1.2E-02	2.6E-01	1090	1	0.96	1E-06	2.68E-04	1.1	10	0.75	70	0.85	2.7E-05	2.7E+01	
480	21.00215	1.2E-02	2.5E-01	1090	1	0.96	1E-06	2.62E-04	1.1	10	0.75	70	0.85	2.6E-05	2.6E+01	
481	21.52662	1.2E-02	2.6E-01	1090	1	0.96	1E-06	2.69E-04	1.1	10	0.75	70	0.85	2.7E-05	2.7E+01	
482	21.11048	1.2E-02	2.5E-01	1090	1	0.96	1E-06	2.64E-04	1.1	10	0.75	70	0.85	2.6E-05	2.6E+01	
483	4.39966	1.2E-02	5.3E-02	1090	1	0.96	1E-06	5.49E-05	1.1	10	0.75	70	0.85	5.5E-06	5.5E+00	
484	3.82719	1.2E-02	4.6E-02	1090	1	0.96	1E-06	4.78E-05	1.1	10	0.75	70	0.85	4.8E-06	4.8E+00	
485	3.43472	1.2E-02	4.1E-02	1090	1	0.96	1E-06	4.29E-05	1.1	10	0.75	70	0.85	4.3E-06	4.3E+00	
486	3.14364	1.2E-02	3.8E-02	1090	1	0.96	1E-06	3.93E-05	1.1	10	0.75	70	0.85	3.9E-06	3.9E+00	
487	2.91466	1.2E-02	3.5E-02	1090	1	0.96	1E-06	3.64E-05	1.1	10	0.75	70	0.85	3.6E-06	3.6E+00	
488	2.72277	1.2E-02	3.3E-02	1090	1	0.96	1E-06	3.40E-05	1.1	10	0.75	70	0.85	3.4E-06	3.4E+00	
489	2.55422	1.2E-02	3.1E-02	1090	1	0.96	1E-06	3.19E-05	1.1	10	0.75	70	0.85	3.2E-06	3.2E+00	
490	2.38919	1.2E-02	2.9E-02	1090	1	0.96	1E-06	2.98E-05	1.1	10	0.75	70	0.85	3.0E-06	3.0E+00	
491	2.2382	1.2E-02	2.7E-02	1090	1	0.96	1E-06	2.80E-05	1.1	10	0.75	70	0.85	2.8E-06	2.8E+00	
492	2.08885	1.2E-02	2.5E-02	1090	1	0.96	1E-06	2.61E-05	1.1	10	0.75	70	0.85	2.6E-06	2.6E+00	
493	1.9409	1.2E-02	2.3E-02	1090	1	0.96	1E-06	2.42E-05	1.1	10	0.75	70	0.85	2.4E-06	2.4E+00	
494	1.79587	1.2E-02	2.1E-02	1090	1	0.96	1E-06	2.24E-05	1.1	10	0.75	70	0.85	2.2E-06	2.2E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
495	1.65252	1.2E-02	2.0E-02	1090	1	0.96	1E-06	2.06E-05	1.1	10	0.75	70	0.85	2.1E-06	2.1E+00	
496	1.51531	1.2E-02	1.8E-02	1090	1	0.96	1E-06	1.89E-05	1.1	10	0.75	70	0.85	1.9E-06	1.9E+00	
497	1.3901	1.2E-02	1.7E-02	1090	1	0.96	1E-06	1.74E-05	1.1	10	0.75	70	0.85	1.7E-06	1.7E+00	
498	1.27238	1.2E-02	1.5E-02	1090	1	0.96	1E-06	1.59E-05	1.1	10	0.75	70	0.85	1.6E-06	1.6E+00	
499	1.1684	1.2E-02	1.4E-02	1090	1	0.96	1E-06	1.46E-05	1.1	10	0.75	70	0.85	1.5E-06	1.5E+00	
500	1.07198	1.2E-02	1.3E-02	1090	1	0.96	1E-06	1.34E-05	1.1	10	0.75	70	0.85	1.3E-06	1.3E+00	
501	0.98832	1.2E-02	1.2E-02	1090	1	0.96	1E-06	1.23E-05	1.1	10	0.75	70	0.85	1.2E-06	1.2E+00	
502	1.03921	1.2E-02	1.2E-02	1090	1	0.96	1E-06	1.30E-05	1.1	10	0.75	70	0.85	1.3E-06	1.3E+00	
503	1.17658	1.2E-02	1.4E-02	1090	1	0.96	1E-06	1.47E-05	1.1	10	0.75	70	0.85	1.5E-06	1.5E+00	
504	19.7394	1.2E-02	2.4E-01	1090	1	0.96	1E-06	2.47E-04	1.1	10	0.75	70	0.85	2.5E-05	2.5E+01	
505	20.03007	1.2E-02	2.4E-01	1090	1	0.96	1E-06	2.50E-04	1.1	10	0.75	70	0.85	2.5E-05	2.5E+01	
506	20.37447	1.2E-02	2.4E-01	1090	1	0.96	1E-06	2.54E-04	1.1	10	0.75	70	0.85	2.5E-05	2.5E+01	
507	20.71009	1.2E-02	2.5E-01	1090	1	0.96	1E-06	2.59E-04	1.1	10	0.75	70	0.85	2.6E-05	2.6E+01	
508	21.07286	1.2E-02	2.5E-01	1090	1	0.96	1E-06	2.63E-04	1.1	10	0.75	70	0.85	2.6E-05	2.6E+01	
509	3.13229	1.2E-02	3.7E-02	1090	1	0.96	1E-06	3.91E-05	1.1	10	0.75	70	0.85	3.9E-06	3.9E+00	
510	1.03013	1.2E-02	1.2E-02	1090	1	0.96	1E-06	1.29E-05	1.1	10	0.75	70	0.85	1.3E-06	1.3E+00	
511	1.1633	1.2E-02	1.4E-02	1090	1	0.96	1E-06	1.45E-05	1.1	10	0.75	70	0.85	1.5E-06	1.5E+00	
512	9.6419	1.2E-02	1.2E-01	1090	1	0.96	1E-06	1.20E-04	1.1	10	0.75	70	0.85	1.2E-05	1.2E+01	
513	9.71131	1.2E-02	1.2E-01	1090	1	0.96	1E-06	1.21E-04	1.1	10	0.75	70	0.85	1.2E-05	1.2E+01	
514	9.7921	1.2E-02	1.2E-01	1090	1	0.96	1E-06	1.22E-04	1.1	10	0.75	70	0.85	1.2E-05	1.2E+01	
515	9.87162	1.2E-02	1.2E-01	1090	1	0.96	1E-06	1.23E-04	1.1	10	0.75	70	0.85	1.2E-05	1.2E+01	
516	9.95648	1.2E-02	1.2E-01	1090	1	0.96	1E-06	1.24E-04	1.1	10	0.75	70	0.85	1.2E-05	1.2E+01	
517	2.8603	1.2E-02	3.4E-02	1090	1	0.96	1E-06	3.57E-05	1.1	10	0.75	70	0.85	3.6E-06	3.6E+00	
518	0.99758	1.2E-02	1.2E-02	1090	1	0.96	1E-06	1.25E-05	1.1	10	0.75	70	0.85	1.2E-06	1.2E+00	
519	1.13681	1.2E-02	1.4E-02	1090	1	0.96	1E-06	1.42E-05	1.1	10	0.75	70	0.85	1.4E-06	1.4E+00	
520	6.66431	1.2E-02	8.0E-02	1090	1	0.96	1E-06	8.32E-05	1.1	10	0.75	70	0.85	8.3E-06	8.3E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
521	6.70298	1.2E-02	8.0E-02	1090	1	0.96	1E-06	8.37E-05	1.1	10	0.75	70	0.85	8.4E-06	8.4E+00	
522	6.744	1.2E-02	8.1E-02	1090	1	0.96	1E-06	8.42E-05	1.1	10	0.75	70	0.85	8.4E-06	8.4E+00	
523	6.78567	1.2E-02	8.1E-02	1090	1	0.96	1E-06	8.47E-05	1.1	10	0.75	70	0.85	8.5E-06	8.5E+00	
524	2.613	1.2E-02	3.1E-02	1090	1	0.96	1E-06	3.26E-05	1.1	10	0.75	70	0.85	3.3E-06	3.3E+00	
525	0.91608	1.2E-02	1.1E-02	1090	1	0.96	1E-06	1.14E-05	1.1	10	0.75	70	0.85	1.1E-06	1.1E+00	
526	1.05984	1.2E-02	1.3E-02	1090	1	0.96	1E-06	1.32E-05	1.1	10	0.75	70	0.85	1.3E-06	1.3E+00	
527	2.38876	1.2E-02	2.9E-02	1090	1	0.96	1E-06	2.98E-05	1.1	10	0.75	70	0.85	3.0E-06	3.0E+00	
528	3.62424	1.2E-02	4.3E-02	1090	1	0.96	1E-06	4.53E-05	1.1	10	0.75	70	0.85	4.5E-06	4.5E+00	
529	3.34265	1.2E-02	4.0E-02	1090	1	0.96	1E-06	4.17E-05	1.1	10	0.75	70	0.85	4.2E-06	4.2E+00	
530	3.0583	1.2E-02	3.7E-02	1090	1	0.96	1E-06	3.82E-05	1.1	10	0.75	70	0.85	3.8E-06	3.8E+00	
531	2.79373	1.2E-02	3.3E-02	1090	1	0.96	1E-06	3.49E-05	1.1	10	0.75	70	0.85	3.5E-06	3.5E+00	
532	2.56039	1.2E-02	3.1E-02	1090	1	0.96	1E-06	3.20E-05	1.1	10	0.75	70	0.85	3.2E-06	3.2E+00	
533	2.35984	1.2E-02	2.8E-02	1090	1	0.96	1E-06	2.95E-05	1.1	10	0.75	70	0.85	2.9E-06	2.9E+00	
534	2.18697	1.2E-02	2.6E-02	1090	1	0.96	1E-06	2.73E-05	1.1	10	0.75	70	0.85	2.7E-06	2.7E+00	
535	3.06504	1.2E-02	3.7E-02	1090	1	0.96	1E-06	3.83E-05	1.1	10	0.75	70	0.85	3.8E-06	3.8E+00	
536	2.87259	1.2E-02	3.4E-02	1090	1	0.96	1E-06	3.59E-05	1.1	10	0.75	70	0.85	3.6E-06	3.6E+00	
537	2.67475	1.2E-02	3.2E-02	1090	1	0.96	1E-06	3.34E-05	1.1	10	0.75	70	0.85	3.3E-06	3.3E+00	
538	2.48308	1.2E-02	3.0E-02	1090	1	0.96	1E-06	3.10E-05	1.1	10	0.75	70	0.85	3.1E-06	3.1E+00	
539	2.30642	1.2E-02	2.8E-02	1090	1	0.96	1E-06	2.88E-05	1.1	10	0.75	70	0.85	2.9E-06	2.9E+00	
540	2.14823	1.2E-02	2.6E-02	1090	1	0.96	1E-06	2.68E-05	1.1	10	0.75	70	0.85	2.7E-06	2.7E+00	
541	2.00665	1.2E-02	2.4E-02	1090	1	0.96	1E-06	2.51E-05	1.1	10	0.75	70	0.85	2.5E-06	2.5E+00	
542	2.65651	1.2E-02	3.2E-02	1090	1	0.96	1E-06	3.32E-05	1.1	10	0.75	70	0.85	3.3E-06	3.3E+00	
543	2.51638	1.2E-02	3.0E-02	1090	1	0.96	1E-06	3.14E-05	1.1	10	0.75	70	0.85	3.1E-06	3.1E+00	
544	2.37103	1.2E-02	2.8E-02	1090	1	0.96	1E-06	2.96E-05	1.1	10	0.75	70	0.85	3.0E-06	3.0E+00	
545	2.22654	1.2E-02	2.7E-02	1090	1	0.96	1E-06	2.78E-05	1.1	10	0.75	70	0.85	2.8E-06	2.8E+00	
546	2.09061	1.2E-02	2.5E-02	1090	1	0.96	1E-06	2.61E-05	1.1	10	0.75	70	0.85	2.6E-06	2.6E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
547	1.9629	1.2E-02	2.3E-02	1090	1	0.96	1E-06	2.45E-05	1.1	10	0.75	70	0.85	2.5E-06	2.5E+00	
548	1.8463	1.2E-02	2.2E-02	1090	1	0.96	1E-06	2.31E-05	1.1	10	0.75	70	0.85	2.3E-06	2.3E+00	
549	2.34332	1.2E-02	2.8E-02	1090	1	0.96	1E-06	2.93E-05	1.1	10	0.75	70	0.85	2.9E-06	2.9E+00	
550	2.23648	1.2E-02	2.7E-02	1090	1	0.96	1E-06	2.79E-05	1.1	10	0.75	70	0.85	2.8E-06	2.8E+00	
551	2.1252	1.2E-02	2.5E-02	1090	1	0.96	1E-06	2.65E-05	1.1	10	0.75	70	0.85	2.7E-06	2.7E+00	
552	2.01258	1.2E-02	2.4E-02	1090	1	0.96	1E-06	2.51E-05	1.1	10	0.75	70	0.85	2.5E-06	2.5E+00	
553	1.90474	1.2E-02	2.3E-02	1090	1	0.96	1E-06	2.38E-05	1.1	10	0.75	70	0.85	2.4E-06	2.4E+00	
554	1.80083	1.2E-02	2.2E-02	1090	1	0.96	1E-06	2.25E-05	1.1	10	0.75	70	0.85	2.2E-06	2.2E+00	
555	1.70437	1.2E-02	2.0E-02	1090	1	0.96	1E-06	2.13E-05	1.1	10	0.75	70	0.85	2.1E-06	2.1E+00	
556	27.1114	1.2E-02	3.2E-01	1090	1	0.96	1E-06	3.39E-04	1.1	10	0.75	70	0.85	3.4E-05	3.4E+01	
557	21.37182	1.2E-02	2.6E-01	1090	1	0.96	1E-06	2.67E-04	1.1	10	0.75	70	0.85	2.7E-05	2.7E+01	
558	12.07993	1.2E-02	1.4E-01	1090	1	0.96	1E-06	1.51E-04	1.1	10	0.75	70	0.85	1.5E-05	1.5E+01	
559	12.48322	1.2E-02	1.5E-01	1090	1	0.96	1E-06	1.56E-04	1.1	10	0.75	70	0.85	1.6E-05	1.6E+01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI	
1	2.36E-02	5	4.73E-03	**Max**
2	2.44E-02	5	4.88E-03	6.48E-02
3	2.53E-02	5	5.05E-03	
4	2.62E-02	5	5.24E-03	
5	2.73E-02	5	5.45E-03	
6	2.84E-02	5	5.68E-03	
7	2.95E-02	5	5.91E-03	
8	3.07E-02	5	6.14E-03	
9	3.17E-02	5	6.35E-03	
10	3.26E-02	5	6.52E-03	
11	3.32E-02	5	6.64E-03	
12	3.35E-02	5	6.70E-03	
13	3.35E-02	5	6.70E-03	
14	3.31E-02	5	6.63E-03	
15	3.26E-02	5	6.51E-03	
16	3.18E-02	5	6.35E-03	
17	3.08E-02	5	6.17E-03	
18	2.98E-02	5	5.96E-03	
19	2.86E-02	5	5.72E-03	
20	2.73E-02	5	5.46E-03	
21	2.59E-02	5	5.18E-03	
22	2.44E-02	5	4.88E-03	
23	2.28E-02	5	4.55E-03	
24	2.11E-02	5	4.21E-03	
25	1.93E-02	5	3.87E-03	
26	1.76E-02	5	3.52E-03	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
27	1.60E-02	5	3.20E-03
28	1.45E-02	5	2.89E-03
29	1.31E-02	5	2.63E-03
30	1.20E-02	5	2.39E-03
31	2.56E-02	5	5.11E-03
32	2.65E-02	5	5.31E-03
33	2.76E-02	5	5.53E-03
34	2.89E-02	5	5.78E-03
35	3.03E-02	5	6.06E-03
36	3.19E-02	5	6.37E-03
37	3.35E-02	5	6.70E-03
38	3.51E-02	5	7.03E-03
39	3.66E-02	5	7.33E-03
40	3.79E-02	5	7.57E-03
41	3.86E-02	5	7.73E-03
42	3.90E-02	5	7.79E-03
43	3.88E-02	5	7.77E-03
44	3.84E-02	5	7.68E-03
45	3.76E-02	5	7.53E-03
46	3.67E-02	5	7.34E-03
47	3.55E-02	5	7.11E-03
48	3.43E-02	5	6.86E-03
49	3.29E-02	5	6.57E-03
50	3.13E-02	5	6.26E-03
51	2.96E-02	5	5.91E-03
52	2.77E-02	5	5.53E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
53	2.56E-02	5	5.12E-03
54	2.35E-02	5	4.69E-03
55	2.12E-02	5	4.25E-03
56	1.91E-02	5	3.82E-03
57	1.70E-02	5	3.41E-03
58	1.53E-02	5	3.05E-03
59	1.37E-02	5	2.74E-03
60	1.24E-02	5	2.48E-03
61	2.77E-02	5	5.54E-03
62	2.89E-02	5	5.78E-03
63	3.04E-02	5	6.07E-03
64	3.21E-02	5	6.41E-03
65	3.40E-02	5	6.80E-03
66	3.62E-02	5	7.25E-03
67	3.86E-02	5	7.73E-03
68	4.11E-02	5	8.21E-03
69	4.33E-02	5	8.66E-03
70	4.50E-02	5	8.99E-03
71	4.59E-02	5	9.19E-03
72	4.62E-02	5	9.25E-03
73	4.60E-02	5	9.19E-03
74	4.53E-02	5	9.06E-03
75	4.43E-02	5	8.86E-03
76	4.32E-02	5	8.63E-03
77	4.18E-02	5	8.36E-03
78	4.03E-02	5	8.06E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
79	3.86E-02	5	7.72E-03
80	3.67E-02	5	7.34E-03
81	3.45E-02	5	6.91E-03
82	3.21E-02	5	6.42E-03
83	2.94E-02	5	5.88E-03
84	2.65E-02	5	5.31E-03
85	2.36E-02	5	4.72E-03
86	2.08E-02	5	4.15E-03
87	1.82E-02	5	3.64E-03
88	1.61E-02	5	3.21E-03
89	1.43E-02	5	2.86E-03
90	1.28E-02	5	2.56E-03
91	3.01E-02	5	6.02E-03
92	3.16E-02	5	6.32E-03
93	3.35E-02	5	6.70E-03
94	3.58E-02	5	7.16E-03
95	3.86E-02	5	7.72E-03
96	4.19E-02	5	8.38E-03
97	4.56E-02	5	9.12E-03
98	4.94E-02	5	9.88E-03
99	5.28E-02	5	1.06E-02
100	5.51E-02	5	1.10E-02
101	5.63E-02	5	1.13E-02
102	5.64E-02	5	1.13E-02
103	5.58E-02	5	1.12E-02
104	5.48E-02	5	1.10E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
105	5.36E-02	5	1.07E-02
106	5.22E-02	5	1.04E-02
107	5.06E-02	5	1.01E-02
108	4.88E-02	5	9.76E-03
109	4.68E-02	5	9.35E-03
110	4.44E-02	5	8.88E-03
111	4.17E-02	5	8.33E-03
112	3.84E-02	5	7.68E-03
113	3.47E-02	5	6.95E-03
114	3.07E-02	5	6.14E-03
115	2.65E-02	5	5.30E-03
116	2.27E-02	5	4.54E-03
117	1.95E-02	5	3.89E-03
118	1.69E-02	5	3.38E-03
119	1.48E-02	5	2.97E-03
120	1.32E-02	5	2.65E-03
121	3.27E-02	5	6.54E-03
122	3.46E-02	5	6.93E-03
123	3.71E-02	5	7.42E-03
124	4.02E-02	5	8.05E-03
125	4.43E-02	5	8.87E-03
126	4.95E-02	5	9.90E-03
127	5.57E-02	5	1.11E-02
128	6.22E-02	5	1.24E-02
129	6.77E-02	5	1.35E-02
130	7.09E-02	5	1.42E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
131	7.18E-02	5	1.44E-02
132	7.15E-02	5	1.43E-02
133	7.04E-02	5	1.41E-02
134	6.90E-02	5	1.38E-02
135	6.75E-02	5	1.35E-02
136	6.58E-02	5	1.32E-02
137	6.39E-02	5	1.28E-02
138	6.18E-02	5	1.24E-02
139	5.94E-02	5	1.19E-02
140	5.64E-02	5	1.13E-02
141	5.28E-02	5	1.06E-02
142	4.84E-02	5	9.67E-03
143	4.29E-02	5	8.58E-03
144	3.66E-02	5	7.32E-03
145	3.03E-02	5	6.05E-03
146	2.49E-02	5	4.97E-03
147	2.07E-02	5	4.14E-03
148	1.77E-02	5	3.53E-03
149	1.54E-02	5	3.08E-03
150	1.36E-02	5	2.72E-03
151	3.56E-02	5	7.13E-03
152	3.80E-02	5	7.59E-03
153	4.11E-02	5	8.22E-03
154	4.54E-02	5	9.08E-03
155	5.15E-02	5	1.03E-02
156	6.00E-02	5	1.20E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
157	7.16E-02	5	1.43E-02
158	8.48E-02	5	1.70E-02
159	9.45E-02	5	1.89E-02
160	9.81E-02	5	1.96E-02
161	9.82E-02	5	1.96E-02
162	9.68E-02	5	1.94E-02
163	9.51E-02	5	1.90E-02
164	9.31E-02	5	1.86E-02
165	9.11E-02	5	1.82E-02
166	8.90E-02	5	1.78E-02
167	8.67E-02	5	1.73E-02
168	8.42E-02	5	1.68E-02
169	8.13E-02	5	1.63E-02
170	7.77E-02	5	1.55E-02
171	7.29E-02	5	1.46E-02
172	6.63E-02	5	1.33E-02
173	5.72E-02	5	1.14E-02
174	4.59E-02	5	9.18E-03
175	3.51E-02	5	7.01E-03
176	2.71E-02	5	5.42E-03
177	2.19E-02	5	4.38E-03
178	1.84E-02	5	3.68E-03
179	1.59E-02	5	3.17E-03
180	1.39E-02	5	2.79E-03
181	3.89E-02	5	7.77E-03
182	4.16E-02	5	8.32E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
183	4.55E-02	5	9.10E-03
184	5.12E-02	5	1.02E-02
185	6.01E-02	5	1.20E-02
186	7.50E-02	5	1.50E-02
187	1.01E-01	5	2.02E-02
188	1.38E-01	5	2.76E-02
189	1.56E-01	5	3.12E-02
190	1.57E-01	5	3.15E-02
191	1.55E-01	5	3.09E-02
192	1.51E-01	5	3.03E-02
193	1.48E-01	5	2.97E-02
194	1.45E-01	5	2.91E-02
195	1.43E-01	5	2.85E-02
196	1.40E-01	5	2.79E-02
197	1.37E-01	5	2.73E-02
198	1.33E-01	5	2.67E-02
199	1.30E-01	5	2.60E-02
200	1.25E-01	5	2.50E-02
201	6.30E-02	5	1.26E-02
202	4.06E-02	5	8.12E-03
203	2.91E-02	5	5.82E-03
204	2.29E-02	5	4.58E-03
205	1.89E-02	5	3.79E-03
206	1.62E-02	5	3.24E-03
207	1.42E-02	5	2.84E-03
208	4.24E-02	5	8.49E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
209	4.56E-02	5	9.11E-03
210	5.01E-02	5	1.00E-02
211	5.73E-02	5	1.15E-02
212	6.94E-02	5	1.39E-02
213	9.38E-02	5	1.88E-02
214	1.65E-01	5	3.31E-02
215	2.97E-01	5	5.94E-02
216	2.25E-01	5	4.50E-02
217	2.15E-01	5	4.30E-02
218	2.83E-01	5	5.65E-02
219	2.03E-01	5	4.06E-02
220	2.00E-01	5	4.00E-02
221	2.66E-01	5	5.32E-02
222	1.92E-01	5	3.83E-02
223	2.63E-01	5	5.26E-02
224	2.53E-01	5	5.06E-02
225	1.82E-01	5	3.63E-02
226	2.47E-01	5	4.94E-02
227	2.37E-01	5	4.74E-02
228	9.75E-02	5	1.95E-02
229	4.48E-02	5	8.95E-03
230	3.03E-02	5	6.07E-03
231	2.34E-02	5	4.68E-03
232	1.93E-02	5	3.85E-03
233	1.64E-02	5	3.28E-03
234	1.44E-02	5	2.87E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
235	1.02E-02	5	2.04E-03
236	1.10E-02	5	2.20E-03
237	1.19E-02	5	2.37E-03
238	1.29E-02	5	2.57E-03
239	1.40E-02	5	2.79E-03
240	1.52E-02	5	3.03E-03
241	2.61E-02	5	5.23E-03
242	2.72E-02	5	5.43E-03
243	2.81E-02	5	5.61E-03
244	2.93E-02	5	5.86E-03
245	2.96E-02	5	5.91E-03
246	3.02E-02	5	6.05E-03
247	3.08E-02	5	6.16E-03
248	3.13E-02	5	6.26E-03
249	3.18E-02	5	6.35E-03
250	3.22E-02	5	6.43E-03
251	3.26E-02	5	6.51E-03
252	3.29E-02	5	6.58E-03
253	1.10E-01	5	2.19E-02
254	2.22E-01	5	4.43E-02
255	2.24E-01	5	4.48E-02
256	2.24E-01	5	4.48E-02
257	2.23E-01	5	4.47E-02
258	2.23E-01	5	4.46E-02
259	2.21E-01	5	4.43E-02
260	2.17E-01	5	4.35E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
261	2.08E-01	5	4.16E-02
262	1.75E-01	5	3.50E-02
263	1.06E-02	5	2.12E-03
264	1.15E-02	5	2.30E-03
265	1.25E-02	5	2.51E-03
266	1.37E-02	5	2.74E-03
267	1.50E-02	5	3.01E-03
268	1.65E-02	5	3.30E-03
269	3.12E-02	5	6.23E-03
270	3.30E-02	5	6.60E-03
271	3.42E-02	5	6.84E-03
272	3.38E-02	5	6.76E-03
273	3.45E-02	5	6.91E-03
274	3.51E-02	5	7.03E-03
275	3.56E-02	5	7.12E-03
276	3.62E-02	5	7.23E-03
277	3.66E-02	5	7.32E-03
278	3.70E-02	5	7.41E-03
279	3.74E-02	5	7.48E-03
280	1.19E-01	5	2.37E-02
281	2.30E-01	5	4.59E-02
282	1.11E-01	5	2.22E-02
283	1.09E-01	5	2.18E-02
284	1.07E-01	5	2.13E-02
285	1.04E-01	5	2.08E-02
286	1.01E-01	5	2.01E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
287	9.57E-02	5	1.91E-02
288	8.74E-02	5	1.75E-02
289	7.28E-02	5	1.46E-02
290	1.10E-02	5	2.20E-03
291	1.20E-02	5	2.41E-03
292	1.32E-02	5	2.65E-03
293	1.46E-02	5	2.93E-03
294	1.63E-02	5	3.25E-03
295	1.81E-02	5	3.62E-03
296	3.65E-02	5	7.30E-03
297	3.89E-02	5	7.79E-03
298	3.98E-02	5	7.95E-03
299	3.93E-02	5	7.87E-03
300	4.02E-02	5	8.03E-03
301	4.08E-02	5	8.17E-03
302	4.20E-02	5	8.40E-03
303	4.19E-02	5	8.38E-03
304	4.24E-02	5	8.49E-03
305	4.29E-02	5	8.57E-03
306	4.33E-02	5	8.66E-03
307	5.03E-02	5	1.01E-02
308	5.10E-02	5	1.02E-02
309	1.24E-01	5	2.47E-02
310	2.31E-01	5	4.62E-02
311	7.70E-02	5	1.54E-02
312	7.46E-02	5	1.49E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
313	7.22E-02	5	1.44E-02
314	6.95E-02	5	1.39E-02
315	6.62E-02	5	1.32E-02
316	6.20E-02	5	1.24E-02
317	5.61E-02	5	1.12E-02
318	4.83E-02	5	9.67E-03
319	1.14E-02	5	2.28E-03
320	1.26E-02	5	2.51E-03
321	1.40E-02	5	2.79E-03
322	1.56E-02	5	3.13E-03
323	1.77E-02	5	3.53E-03
324	2.01E-02	5	4.01E-03
325	4.39E-02	5	8.78E-03
326	4.50E-02	5	9.01E-03
327	4.60E-02	5	9.21E-03
328	4.70E-02	5	9.40E-03
329	4.79E-02	5	9.59E-03
330	4.86E-02	5	9.72E-03
331	4.93E-02	5	9.85E-03
332	4.97E-02	5	9.94E-03
333	5.04E-02	5	1.01E-02
334	5.09E-02	5	1.02E-02
335	5.14E-02	5	1.03E-02
336	5.89E-02	5	1.18E-02
337	5.95E-02	5	1.19E-02
338	1.28E-01	5	2.56E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
339	2.32E-01	5	4.65E-02
340	4.22E-02	5	8.45E-03
341	3.73E-02	5	7.46E-03
342	1.18E-02	5	2.35E-03
343	1.31E-02	5	2.61E-03
344	1.47E-02	5	2.94E-03
345	1.67E-02	5	3.34E-03
346	1.92E-02	5	3.85E-03
347	2.24E-02	5	4.49E-03
348	5.32E-02	5	1.06E-02
349	5.48E-02	5	1.10E-02
350	5.61E-02	5	1.12E-02
351	5.72E-02	5	1.14E-02
352	5.83E-02	5	1.17E-02
353	5.93E-02	5	1.19E-02
354	6.01E-02	5	1.20E-02
355	6.08E-02	5	1.22E-02
356	6.12E-02	5	1.22E-02
357	6.20E-02	5	1.24E-02
358	6.27E-02	5	1.25E-02
359	6.33E-02	5	1.27E-02
360	6.99E-02	5	1.40E-02
361	7.02E-02	5	1.40E-02
362	7.17E-02	5	1.43E-02
363	7.22E-02	5	1.44E-02
364	1.34E-01	5	2.69E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
365	2.35E-01	5	4.70E-02
366	6.98E-02	5	1.40E-02
367	6.21E-02	5	1.24E-02
368	5.70E-02	5	1.14E-02
369	3.44E-02	5	6.88E-03
370	3.10E-02	5	6.19E-03
371	2.74E-02	5	5.48E-03
372	2.40E-02	5	4.81E-03
373	2.10E-02	5	4.21E-03
374	1.85E-02	5	3.70E-03
375	1.64E-02	5	3.28E-03
376	1.46E-02	5	2.93E-03
377	1.32E-02	5	2.64E-03
378	1.21E-02	5	2.41E-03
379	1.35E-02	5	2.70E-03
380	1.53E-02	5	3.07E-03
381	1.77E-02	5	3.55E-03
382	2.10E-02	5	4.19E-03
383	2.54E-02	5	5.07E-03
384	7.07E-02	5	1.41E-02
385	7.25E-02	5	1.45E-02
386	7.42E-02	5	1.48E-02
387	7.55E-02	5	1.51E-02
388	7.67E-02	5	1.53E-02
389	7.78E-02	5	1.56E-02
390	7.88E-02	5	1.58E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
391	7.97E-02	5	1.59E-02
392	8.05E-02	5	1.61E-02
393	8.13E-02	5	1.63E-02
394	8.21E-02	5	1.64E-02
395	8.28E-02	5	1.66E-02
396	9.23E-02	5	1.85E-02
397	9.28E-02	5	1.86E-02
398	9.35E-02	5	1.87E-02
399	9.37E-02	5	1.87E-02
400	1.46E-01	5	2.92E-02
401	2.41E-01	5	4.81E-02
402	6.32E-02	5	1.26E-02
403	5.54E-02	5	1.11E-02
404	5.03E-02	5	1.01E-02
405	2.94E-02	5	5.87E-03
406	2.67E-02	5	5.35E-03
407	2.41E-02	5	4.82E-03
408	2.16E-02	5	4.32E-03
409	1.93E-02	5	3.86E-03
410	1.73E-02	5	3.45E-03
411	1.55E-02	5	3.11E-03
412	1.40E-02	5	2.80E-03
413	1.27E-02	5	2.55E-03
414	1.23E-02	5	2.46E-03
415	1.38E-02	5	2.77E-03
416	1.59E-02	5	3.17E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
417	1.86E-02	5	3.73E-03
418	2.26E-02	5	4.52E-03
419	2.87E-02	5	5.74E-03
420	9.81E-02	5	1.96E-02
421	1.02E-01	5	2.04E-02
422	1.05E-01	5	2.10E-02
423	1.07E-01	5	2.14E-02
424	1.09E-01	5	2.18E-02
425	1.11E-01	5	2.22E-02
426	1.13E-01	5	2.26E-02
427	1.14E-01	5	2.29E-02
428	1.16E-01	5	2.32E-02
429	1.17E-01	5	2.34E-02
430	1.19E-01	5	2.37E-02
431	1.20E-01	5	2.40E-02
432	1.21E-01	5	2.42E-02
433	1.22E-01	5	2.45E-02
434	1.41E-01	5	2.83E-02
435	1.42E-01	5	2.85E-02
436	1.41E-01	5	2.82E-02
437	1.41E-01	5	2.81E-02
438	1.40E-01	5	2.81E-02
439	1.75E-01	5	3.51E-02
440	2.57E-01	5	5.15E-02
441	5.77E-02	5	1.15E-02
442	5.02E-02	5	1.00E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
443	4.52E-02	5	9.04E-03
444	4.15E-02	5	8.30E-03
445	3.86E-02	5	7.73E-03
446	3.62E-02	5	7.25E-03
447	3.41E-02	5	6.82E-03
448	3.19E-02	5	6.39E-03
449	2.99E-02	5	5.99E-03
450	2.79E-02	5	5.58E-03
451	2.58E-02	5	5.17E-03
452	2.37E-02	5	4.75E-03
453	2.17E-02	5	4.33E-03
454	1.97E-02	5	3.93E-03
455	1.78E-02	5	3.57E-03
456	1.62E-02	5	3.23E-03
457	1.47E-02	5	2.94E-03
458	1.34E-02	5	2.68E-03
459	1.22E-02	5	2.45E-03
460	1.24E-02	5	2.48E-03
461	1.40E-02	5	2.81E-03
462	1.62E-02	5	3.24E-03
463	1.92E-02	5	3.84E-03
464	2.38E-02	5	4.76E-03
465	3.17E-02	5	6.35E-03
466	1.95E-01	5	3.89E-02
467	2.01E-01	5	4.02E-02
468	2.06E-01	5	4.13E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
469	2.11E-01	5	4.22E-02
470	2.16E-01	5	4.31E-02
471	2.20E-01	5	4.40E-02
472	2.25E-01	5	4.49E-02
473	2.29E-01	5	4.58E-02
474	2.34E-01	5	4.67E-02
475	2.38E-01	5	4.76E-02
476	2.43E-01	5	4.85E-02
477	2.47E-01	5	4.95E-02
478	2.52E-01	5	5.04E-02
479	2.57E-01	5	5.13E-02
480	2.51E-01	5	5.02E-02
481	2.57E-01	5	5.14E-02
482	2.52E-01	5	5.04E-02
483	5.26E-02	5	1.05E-02
484	4.57E-02	5	9.15E-03
485	4.10E-02	5	8.21E-03
486	3.76E-02	5	7.51E-03
487	3.48E-02	5	6.96E-03
488	3.25E-02	5	6.51E-03
489	3.05E-02	5	6.10E-03
490	2.85E-02	5	5.71E-03
491	2.67E-02	5	5.35E-03
492	2.50E-02	5	4.99E-03
493	2.32E-02	5	4.64E-03
494	2.15E-02	5	4.29E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
495	1.97E-02	5	3.95E-03
496	1.81E-02	5	3.62E-03
497	1.66E-02	5	3.32E-03
498	1.52E-02	5	3.04E-03
499	1.40E-02	5	2.79E-03
500	1.28E-02	5	2.56E-03
501	1.18E-02	5	2.36E-03
502	1.24E-02	5	2.48E-03
503	1.41E-02	5	2.81E-03
504	2.36E-01	5	4.72E-02
505	2.39E-01	5	4.79E-02
506	2.43E-01	5	4.87E-02
507	2.47E-01	5	4.95E-02
508	2.52E-01	5	5.04E-02
509	3.74E-02	5	7.48E-03
510	1.23E-02	5	2.46E-03
511	1.39E-02	5	2.78E-03
512	1.15E-01	5	2.30E-02
513	1.16E-01	5	2.32E-02
514	1.17E-01	5	2.34E-02
515	1.18E-01	5	2.36E-02
516	1.19E-01	5	2.38E-02
517	3.42E-02	5	6.83E-03
518	1.19E-02	5	2.38E-03
519	1.36E-02	5	2.72E-03
520	7.96E-02	5	1.59E-02

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
521	8.01E-02	5	1.60E-02
522	8.06E-02	5	1.61E-02
523	8.11E-02	5	1.62E-02
524	3.12E-02	5	6.24E-03
525	1.09E-02	5	2.19E-03
526	1.27E-02	5	2.53E-03
527	2.85E-02	5	5.71E-03
528	4.33E-02	5	8.66E-03
529	3.99E-02	5	7.99E-03
530	3.65E-02	5	7.31E-03
531	3.34E-02	5	6.68E-03
532	3.06E-02	5	6.12E-03
533	2.82E-02	5	5.64E-03
534	2.61E-02	5	5.23E-03
535	3.66E-02	5	7.32E-03
536	3.43E-02	5	6.86E-03
537	3.20E-02	5	6.39E-03
538	2.97E-02	5	5.93E-03
539	2.76E-02	5	5.51E-03
540	2.57E-02	5	5.13E-03
541	2.40E-02	5	4.80E-03
542	3.17E-02	5	6.35E-03
543	3.01E-02	5	6.01E-03
544	2.83E-02	5	5.67E-03
545	2.66E-02	5	5.32E-03
546	2.50E-02	5	5.00E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Unmitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
547	2.35E-02	5	4.69E-03
548	2.21E-02	5	4.41E-03
549	2.80E-02	5	5.60E-03
550	2.67E-02	5	5.34E-03
551	2.54E-02	5	5.08E-03
552	2.40E-02	5	4.81E-03
553	2.28E-02	5	4.55E-03
554	2.15E-02	5	4.30E-03
555	2.04E-02	5	4.07E-03
556	3.24E-01	5	6.48E-02
557	2.55E-01	5	5.11E-02
558	1.44E-01	5	2.89E-02
559	1.49E-01	5	2.98E-02

Mitigated Construction Health Risk Assumptions

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Health Risk Assumptions

	3rd	0-2	2-16	>16	Units
DBR	361	1090	631	261	L/kg
A	1	1	1	1	no units
EF	0.958904	0.958904	0.958904	0.958904	years
Constant 1	0.000001	0.000001	0.000001	0.000001	no units
CPF	1.1	1.1	1.1	1.1	mg/kg-day-1
ASF	10	10	3	1	no units
Facility Installation	NA	0.96	NA	NA	years
Pipeline	NA	0.75	NA	NA	years
AT	70	70	70	70	years
FAH	0.85	0.85	0.72	0.73	day
Constant 2	1,000,000	1,000,000	1,000,000	1,000,000	no units

Dose = (Cair X DBR X A X EF X Constant 1)

Cancer Risk = Dose X CPF x ASF x (ED/AT) X FAH

Risk per Million = Cancer Risk X Constant 2

Onsite

	PM10 Lbs/day	Days	Total Lbs /activity	Total Lbs	Average Lbs/day
Faility - Site Prep	0.1606	3	0.4818		
Facility - Grading	0.1606	5	0.803		
Facility - Foundation	0.0293	10	0.293		
Facility - Installation	0.0905	319	28.8695		
Facility - Start-up	0.00877	1	0.00877		
Facility - Testing	0.00877	14	0.12278	30.57885	0.08687173
Pipeline - Demolition	0.0308	262	8.0696		
Pipeline -Excavation	0.0257	262	6.7334		
Pipeline - Paving	0.0171	262	4.4802	19.2832	0.0736

	Source ID	PM10 (lbs/day)	PM10 (gr/day)	PM10 (gr/sec)	Days	Years
Facility Installation	FAC1-3	0.0868717	39.66497	0.0004591	337	0.963
Pipeline	Pipeline	0.0736	33.605198	0.0003889	262	0.749

Mitigated Construction Cancer Risk Summary -Birth to 2 years

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
1	499046	3736191	1	0.110203	0.10769	0.11	0.10769
2	499096	3736191	2	0.110989	0.109016	0.11	0.109016
3	499146	3736191	3	0.112506	0.110273	0.11	0.110273
4	499196	3736191	4	0.114813	0.112708	0.11	0.112708
5	499246	3736191	5	0.117243	0.115263	0.12	0.115263
6	499296	3736191	6	0.120187	0.118317	0.12	0.118317
7	499346	3736191	7	0.123246	0.121478	0.12	0.121478
8	499396	3736191	8	0.126389	0.124715	0.13	0.124715
9	499446	3736191	9	0.12918	0.127595	0.13	0.127595
10	499496	3736191	10	0.131492	0.129988	0.13	0.129988
11	499546	3736191	11	0.132847	0.13142	0.13	0.13142
12	499596	3736191	12	0.133269	0.131912	0.13	0.131912
13	499646	3736191	13	0.132533	0.131242	0.13	0.131242
14	499696	3736191	14	0.13072	0.129494	0.13	0.129494
15	499746	3736191	15	0.128291	0.127122	0.13	0.127122
16	499796	3736191	16	0.125036	0.123928	0.13	0.123928
17	499846	3736191	17	0.121325	0.12028	0.12	0.12028
18	499896	3736191	18	0.117286	0.116289	0.12	0.116289
19	499946	3736191	19	0.112849	0.111897	0.11	0.111897
20	499996	3736191	20	0.10791	0.107005	0.11	0.107005
21	500046	3736191	21	0.102611	0.101748	0.10	0.101748
22	500096	3736191	22	0.097092	0.096265	0.10	0.096265
23	500146	3736191	23	0.091127	0.090337	0.09	0.090337
24	500196	3736191	24	0.084973	0.084216	0.08	0.084216
25	500246	3736191	25	0.078737	0.078012	0.08	0.078012
26	500296	3736191	26	0.072512	0.071818	0.07	0.071818

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
27	500346	3736191	27	0.066567	0.065901	0.07	0.065901
28	500396	3736191	28	0.061091	0.060453	0.06	0.060453
29	500446	3736191	29	0.056278	0.055664	0.06	0.055664
30	500496	3736191	30	0.051951	0.051363	0.05	0.051363
31	499046	3736241	31	0.117104	0.114535	0.12	0.114535
32	499096	3736241	32	0.118478	0.116488	0.12	0.116488
33	499146	3736241	33	0.120827	0.118538	0.12	0.118538
34	499196	3736241	34	0.124153	0.122015	0.12	0.122015
35	499246	3736241	35	0.127828	0.125821	0.13	0.125821
36	499296	3736241	36	0.132237	0.130342	0.13	0.130342
37	499346	3736241	37	0.136908	0.135118	0.14	0.135118
38	499396	3736241	38	0.141715	0.140021	0.14	0.140021
39	499446	3736241	39	0.146036	0.144432	0.15	0.144432
40	499496	3736241	40	0.149453	0.147932	0.15	0.147932
41	499546	3736241	41	0.151409	0.149968	0.15	0.149968
42	499596	3736241	42	0.151952	0.150579	0.15	0.150579
43	499646	3736241	43	0.150914	0.149611	0.15	0.149611
44	499696	3736241	44	0.148781	0.14754	0.15	0.14754
45	499746	3736241	45	0.14561	0.14443	0.15	0.14443
46	499796	3736241	46	0.141886	0.140762	0.14	0.140762
47	499846	3736241	47	0.137444	0.136384	0.14	0.136384
48	499896	3736241	48	0.13265	0.131643	0.13	0.131643
49	499946	3736241	49	0.127384	0.126425	0.13	0.126425
50	499996	3736241	50	0.121522	0.120611	0.12	0.120611
51	500046	3736241	51	0.115236	0.114364	0.12	0.114364
52	500096	3736241	52	0.10834	0.107506	0.11	0.107506

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
53	500146	3736241	53	0.100916	0.10012	0.10	0.10012
54	500196	3736241	54	0.093167	0.092405	0.09	0.092405
55	500246	3736241	55	0.085298	0.084568	0.09	0.084568
56	500296	3736241	56	0.077524	0.076825	0.08	0.076825
57	500346	3736241	57	0.070269	0.069599	0.07	0.069599
58	500396	3736241	58	0.063873	0.06323	0.06	0.06323
59	500446	3736241	59	0.058272	0.057655	0.06	0.057655
60	500496	3736241	60	0.053451	0.052859	0.05	0.052859
61	499046	3736291	61	0.124757	0.122129	0.12	0.122129
62	499096	3736291	62	0.126898	0.124889	0.13	0.124889
63	499146	3736291	63	0.130441	0.128132	0.13	0.128132
64	499196	3736291	64	0.135125	0.132956	0.14	0.132956
65	499246	3736291	65	0.140681	0.138646	0.14	0.138646
66	499296	3736291	66	0.147312	0.145392	0.15	0.145392
67	499346	3736291	67	0.154621	0.152807	0.15	0.152807
68	499396	3736291	68	0.162058	0.160343	0.16	0.160343
69	499446	3736291	69	0.168835	0.167211	0.17	0.167211
70	499496	3736291	70	0.173775	0.172237	0.17	0.172237
71	499546	3736291	71	0.176456	0.174997	0.18	0.174997
72	499596	3736291	72	0.176802	0.175415	0.18	0.175415
73	499646	3736291	73	0.175217	0.1739	0.18	0.1739
74	499696	3736291	74	0.172375	0.171121	0.17	0.171121
75	499746	3736291	75	0.168461	0.16727	0.17	0.16727
76	499796	3736291	76	0.164041	0.162905	0.16	0.162905
77	499846	3736291	77	0.158854	0.157777	0.16	0.157777
78	499896	3736291	78	0.153168	0.152153	0.15	0.152153

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
79	499946	3736291	79	0.146975	0.146007	0.15	0.146007
80	499996	3736291	80	0.139929	0.139009	0.14	0.139009
81	500046	3736291	81	0.132194	0.131314	0.13	0.131314
82	500096	3736291	82	0.123454	0.122614	0.12	0.122614
83	500146	3736291	83	0.113918	0.113116	0.11	0.113116
84	500196	3736291	84	0.103772	0.103003	0.10	0.103003
85	500246	3736291	85	0.09332	0.092585	0.09	0.092585
86	500296	3736291	86	0.083298	0.082594	0.08	0.082594
87	500346	3736291	87	0.074328	0.073653	0.07	0.073653
88	500396	3736291	88	0.066699	0.066051	0.07	0.066051
89	500446	3736291	89	0.060263	0.059642	0.06	0.059642
90	500496	3736291	90	0.054924	0.054328	0.05	0.054328
91	499046	3736341	91	0.133225	0.13054	0.13	0.13054
92	499096	3736341	92	0.136339	0.13431	0.14	0.13431
93	499146	3736341	93	0.141686	0.139794	0.14	0.139794
94	499196	3736341	94	0.148084	0.145883	0.15	0.145883
95	499246	3736341	95	0.156667	0.154592	0.16	0.154592
96	499296	3736341	96	0.166745	0.1648	0.17	0.1648
97	499346	3736341	97	0.178496	0.176658	0.18	0.176658
98	499396	3736341	98	0.190634	0.188899	0.19	0.188899
99	499446	3736341	99	0.20137	0.199727	0.20	0.199727
100	499496	3736341	100	0.208538	0.206984	0.21	0.206984
101	499546	3736341	101	0.21167	0.210194	0.21	0.210194
102	499596	3736341	102	0.211403	0.21	0.21	0.21
103	499646	3736341	103	0.208866	0.207535	0.21	0.207535
104	499696	3736341	104	0.204984	0.203717	0.20	0.203717

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
105	499746	3736341	105	0.200142	0.198938	0.20	0.198938
106	499796	3736341	106	0.194859	0.193712	0.19	0.193712
107	499846	3736341	107	0.1888	0.187714	0.19	0.187714
108	499896	3736341	108	0.182152	0.18113	0.18	0.18113
109	499946	3736341	109	0.174875	0.173893	0.17	0.173893
110	499996	3736341	110	0.166303	0.165374	0.17	0.165374
111	500046	3736341	111	0.1565	0.155613	0.16	0.155613
112	500096	3736341	112	0.14505	0.144204	0.15	0.144204
113	500146	3736341	113	0.132159	0.131349	0.13	0.131349
114	500196	3736341	114	0.117887	0.117112	0.12	0.117112
115	500246	3736341	115	0.103348	0.102607	0.10	0.102607
116	500296	3736341	116	0.089965	0.089255	0.09	0.089255
117	500346	3736341	117	0.078668	0.077987	0.08	0.077987
118	500396	3736341	118	0.069492	0.06884	0.07	0.06884
119	500446	3736341	119	0.062199	0.061574	0.06	0.061574
120	500496	3736341	120	0.056477	0.055875	0.06	0.055875
121	499046	3736391	121	0.142567	0.139826	0.14	0.139826
122	499096	3736391	122	0.146993	0.144903	0.15	0.144903
123	499146	3736391	123	0.154093	0.152181	0.15	0.152181
124	499196	3736391	124	0.163458	0.161198	0.16	0.161198
125	499246	3736391	125	0.176322	0.174218	0.18	0.174218
126	499296	3736391	126	0.192889	0.190929	0.19	0.190929
127	499346	3736391	127	0.212853	0.210992	0.21	0.210992
128	499396	3736391	128	0.234353	0.232592	0.23	0.232592
129	499446	3736391	129	0.252202	0.250539	0.25	0.250539
130	499496	3736391	130	0.262223	0.260646	0.26	0.260646

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
131	499546	3736391	131	0.264799	0.263306	0.26	0.263306
132	499596	3736391	132	0.262943	0.261525	0.26	0.261525
133	499646	3736391	133	0.258743	0.257398	0.26	0.257398
134	499696	3736391	134	0.253364	0.252087	0.25	0.252087
135	499746	3736391	135	0.247495	0.24628	0.25	0.24628
136	499796	3736391	136	0.241195	0.240036	0.24	0.240036
137	499846	3736391	137	0.234141	0.233045	0.23	0.233045
138	499896	3736391	138	0.226553	0.225504	0.23	0.225504
139	499946	3736391	139	0.217817	0.21682	0.22	0.21682
140	499996	3736391	140	0.20735	0.20641	0.21	0.20641
141	500046	3736391	141	0.194591	0.193697	0.19	0.193697
142	500096	3736391	142	0.178965	0.17811	0.18	0.17811
143	500146	3736391	143	0.159891	0.159075	0.16	0.159075
144	500196	3736391	144	0.138073	0.137293	0.14	0.137293
145	500246	3736391	145	0.116169	0.115421	0.12	0.115421
146	500296	3736391	146	0.097439	0.096723	0.10	0.096723
147	500346	3736391	147	0.082956	0.08227	0.08	0.08227
148	500396	3736391	148	0.072173	0.071517	0.07	0.071517
149	500446	3736391	149	0.064166	0.063535	0.06	0.063535
150	500496	3736391	150	0.057804	0.057198	0.06	0.057198
151	499046	3736441	151	0.15284	0.150043	0.15	0.150043
152	499096	3736441	152	0.159483	0.156856	0.16	0.156856
153	499146	3736441	153	0.167982	0.166048	0.17	0.166048
154	499196	3736441	154	0.18161	0.179804	0.18	0.179804
155	499246	3736441	155	0.20081	0.198676	0.20	0.198676
156	499296	3736441	156	0.229048	0.227035	0.23	0.227035

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
157	499346	3736441	157	0.267366	0.265482	0.27	0.265482
158	499396	3736441	158	0.311321	0.309539	0.31	0.309539
159	499446	3736441	159	0.343373	0.341692	0.34	0.341692
160	499496	3736441	160	0.355002	0.353408	0.36	0.353408
161	499546	3736441	161	0.354466	0.352957	0.35	0.352957
162	499596	3736441	162	0.349337	0.347905	0.35	0.347905
163	499646	3736441	163	0.342574	0.341215	0.34	0.341215
164	499696	3736441	164	0.335382	0.334089	0.34	0.334089
165	499746	3736441	165	0.327852	0.326622	0.33	0.326622
166	499796	3736441	166	0.320188	0.319018	0.32	0.319018
167	499846	3736441	167	0.311861	0.310752	0.31	0.310752
168	499896	3736441	168	0.302922	0.301864	0.30	0.301864
169	499946	3736441	169	0.292513	0.291508	0.29	0.291508
170	499996	3736441	170	0.279667	0.278718	0.28	0.278718
171	500046	3736441	171	0.262889	0.261988	0.26	0.261988
172	500096	3736441	172	0.24014	0.239276	0.24	0.239276
173	500146	3736441	173	0.208788	0.207965	0.21	0.207965
174	500196	3736441	174	0.169869	0.169082	0.17	0.169082
175	500246	3736441	175	0.132539	0.131784	0.13	0.131784
176	500296	3736441	176	0.105134	0.104412	0.11	0.104412
177	500346	3736441	177	0.087005	0.086313	0.09	0.086313
178	500396	3736441	178	0.074752	0.074088	0.07	0.074088
179	500446	3736441	179	0.065787	0.065152	0.07	0.065152
180	500496	3736441	180	0.058959	0.05835	0.06	0.05835
181	499046	3736491	181	0.164123	0.161272	0.16	0.161272
182	499096	3736491	182	0.172177	0.1695	0.17	0.1695

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
183	499146	3736491	183	0.183145	0.181232	0.18	0.181232
184	499196	3736491	184	0.201472	0.199644	0.20	0.199644
185	499246	3736491	185	0.230251	0.228089	0.23	0.228089
186	499296	3736491	186	0.279989	0.27795	0.28	0.27795
187	499346	3736491	187	0.368238	0.36633	0.37	0.36633
188	499396	3736491	188	0.492581	0.490778	0.49	0.490778
189	499446	3736491	189	0.553489	0.551788	0.55	0.551788
190	499496	3736491	190	0.556453	0.554841	0.56	0.554841
191	499546	3736491	191	0.546658	0.545133	0.55	0.545133
192	499596	3736491	192	0.53524	0.533792	0.54	0.533792
193	499646	3736491	193	0.523999	0.522626	0.52	0.522626
194	499696	3736491	194	0.513322	0.512017	0.51	0.512017
195	499746	3736491	195	0.503034	0.501791	0.50	0.501791
196	499796	3736491	196	0.492712	0.49153	0.49	0.49153
197	499846	3736491	197	0.48217	0.481044	0.48	0.481044
198	499896	3736491	198	0.47065	0.469582	0.47	0.469582
199	499946	3736491	199	0.457639	0.456626	0.46	0.456626
200	499996	3736491	200	0.441406	0.44045	0.44	0.44045
201	500196	3736491	201	0.228002	0.227208	0.23	0.227208
202	500246	3736491	202	0.151506	0.150746	0.15	0.150746
203	500296	3736491	203	0.112025	0.111298	0.11	0.111298
204	500346	3736491	204	0.090441	0.089744	0.09	0.089744
205	500396	3736491	205	0.076685	0.076016	0.08	0.076016
206	500446	3736491	206	0.067055	0.066415	0.07	0.066415
207	500496	3736491	207	0.059851	0.059237	0.06	0.059237
208	499046	3736541	208	0.176588	0.173683	0.18	0.173683

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
209	499096	3736541	209	0.185901	0.183178	0.19	0.183178
210	499146	3736541	210	0.199315	0.197317	0.20	0.197317
211	499196	3736541	211	0.22231	0.220461	0.22	0.220461
212	499246	3736541	212	0.262104	0.259913	0.26	0.259913
213	499296	3736541	213	0.344194	0.34213	0.34	0.34213
214	499346	3736541	214	0.586188	0.584259	0.59	0.584259
215	499396	3736541	215	1.033549	1.031726	1.03	1.031726
216	499446	3736541	216	0.787215	0.785495	0.79	0.785495
217	499496	3736541	217	0.752732	0.751103	0.75	0.751103
218	499546	3736541	218	0.982476	0.980932	0.98	0.980932
219	499596	3736541	219	0.709876	0.708414	0.71	0.708414
220	499646	3736541	220	0.699172	0.697783	0.70	0.697783
221	499696	3736541	221	0.924434	0.923114	0.92	0.923114
222	499746	3736541	222	0.669776	0.668521	0.67	0.668521
223	499796	3736541	223	0.911835	0.91064	0.91	0.91064
224	499846	3736541	224	0.877802	0.876666	0.88	0.876666
225	499896	3736541	225	0.634121	0.633043	0.63	0.633043
226	499946	3736541	226	0.855718	0.854697	0.86	0.854697
227	499996	3736541	227	0.822011	0.821046	0.82	0.821046
228	500196	3736541	228	0.345592	0.344792	0.35	0.344792
229	500246	3736541	229	0.165705	0.16494	0.17	0.16494
230	500296	3736541	230	0.116293	0.115559	0.12	0.115559
231	500346	3736541	231	0.092333	0.091632	0.09	0.091632
232	500396	3736541	232	0.077779	0.077107	0.08	0.077107
233	500446	3736541	233	0.067773	0.06713	0.07	0.06713
234	500496	3736541	234	0.060488	0.059869	0.06	0.059869

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
235	496546	3736591	235	0.234437	0.234437	0.19	0.234437
236	496596	3736591	236	0.257459	0.257459	0.21	0.257459
237	496646	3736591	237	0.282958	0.282958	0.23	0.282958
238	496696	3736591	238	0.310835	0.310835	0.25	0.310835
239	496746	3736591	239	0.340907	0.340907	0.28	0.340907
240	496796	3736591	240	0.372731	0.372731	0.31	0.372731
241	497196	3736591	241	0.540103	0.532501	0.54	0.532501
242	497246	3736591	242	0.54974	0.510983	0.55	0.510983
243	497296	3736591	243	0.584266	0.498058	0.58	0.498058
244	497346	3736591	244	0.578303	0.480195	0.58	0.480195
245	497396	3736591	245	0.500179	0.410686	0.50	0.410686
246	497446	3736591	246	0.467127	0.377826	0.47	0.377826
247	497496	3736591	247	0.43115	0.348055	0.43	0.348055
248	497546	3736591	248	0.396319	0.32229	0.40	0.32229
249	497596	3736591	249	0.364528	0.300244	0.36	0.300244
250	497646	3736591	250	0.336654	0.281542	0.34	0.281542
251	497696	3736591	251	0.312683	0.265658	0.31	0.265658
252	497746	3736591	252	0.292306	0.252158	0.29	0.252158
253	499296	3736591	253	0.398582	0.396493	0.40	0.396493
254	499346	3736591	254	0.777963	0.776013	0.78	0.776013
255	499796	3736591	255	0.779735	0.778529	0.78	0.778529
256	499846	3736591	256	0.779369	0.778223	0.78	0.778223
257	499896	3736591	257	0.776453	0.77536	0.78	0.77536
258	499946	3736591	258	0.774563	0.773527	0.77	0.773527
259	499996	3736591	259	0.768838	0.767865	0.77	0.767865
260	500046	3736591	260	0.75487	0.75394	0.75	0.75394

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
261	500096	3736591	261	0.721795	0.720913	0.72	0.720913
262	500146	3736591	262	0.609114	0.608269	0.61	0.608269
263	496546	3736641	263	0.253015	0.253015	0.20	0.253015
264	496596	3736641	264	0.280844	0.280844	0.23	0.280844
265	496646	3736641	265	0.312358	0.312358	0.25	0.312358
266	496696	3736641	266	0.34769	0.34769	0.28	0.34769
267	496746	3736641	267	0.386778	0.386778	0.31	0.386778
268	496796	3736641	268	0.429207	0.429207	0.34	0.429207
269	497246	3736641	269	0.712127	0.619916	0.71	0.619916
270	497296	3736641	270	0.722353	0.602093	0.72	0.602093
271	497346	3736641	271	0.699203	0.544199	0.70	0.544199
272	497396	3736641	272	0.614902	0.464465	0.61	0.464465
273	497446	3736641	273	0.529865	0.414493	0.53	0.414493
274	497496	3736641	274	0.480919	0.379009	0.48	0.379009
275	497546	3736641	275	0.44492	0.350132	0.44	0.350132
276	497596	3736641	276	0.397846	0.324584	0.40	0.324584
277	497646	3736641	277	0.365587	0.304173	0.37	0.304173
278	497696	3736641	278	0.338477	0.286948	0.34	0.286948
279	497746	3736641	279	0.315934	0.272454	0.32	0.272454
280	499296	3736641	280	0.428786	0.426673	0.43	0.426673
281	499346	3736641	281	0.805635	0.803697	0.81	0.803697
282	499796	3736641	282	0.395702	0.394487	0.40	0.394487
283	499846	3736641	283	0.387881	0.386722	0.39	0.386722
284	499896	3736641	284	0.379874	0.378774	0.38	0.378774
285	499946	3736641	285	0.37043	0.369383	0.37	0.369383
286	499996	3736641	286	0.358379	0.357395	0.36	0.357395

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
287	500046	3736641	287	0.340806	0.33987	0.34	0.33987
288	500096	3736641	288	0.311986	0.311098	0.31	0.311098
289	500146	3736641	289	0.261894	0.261044	0.26	0.261044
290	496546	3736691	290	0.272386	0.272386	0.22	0.272386
291	496596	3736691	291	0.305923	0.305923	0.24	0.305923
292	496646	3736691	292	0.344909	0.344909	0.27	0.344909
293	496696	3736691	293	0.390046	0.390046	0.30	0.390046
294	496746	3736691	294	0.441489	0.441489	0.34	0.441489
295	496796	3736691	295	0.499326	0.499326	0.38	0.499326
296	497246	3736691	296	0.827003	0.707355	0.83	0.707355
297	497296	3736691	297	0.894109	0.689926	0.89	0.689926
298	497346	3736691	298	0.827279	0.602241	0.83	0.602241
299	497396	3736691	299	0.685601	0.506325	0.69	0.506325
300	497446	3736691	300	0.602629	0.456097	0.60	0.456097
301	497496	3736691	301	0.537588	0.414793	0.54	0.414793
302	497546	3736691	302	0.495204	0.379051	0.50	0.379051
303	497596	3736691	303	0.435589	0.353282	0.44	0.353282
304	497646	3736691	304	0.399169	0.331409	0.40	0.331409
305	497696	3736691	305	0.368981	0.312878	0.37	0.312878
306	497746	3736691	306	0.344215	0.297384	0.34	0.297384
307	498796	3736691	307	0.212639	0.208182	0.21	0.208182
308	498846	3736691	308	0.213051	0.208913	0.21	0.208913
309	499296	3736691	309	0.44638	0.444245	0.45	0.444245
310	499346	3736691	310	0.811272	0.809258	0.81	0.809258
311	499796	3736691	311	0.280007	0.278783	0.28	0.278783
312	499846	3736691	312	0.271173	0.270006	0.27	0.270006

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
313	499896	3736691	313	0.262255	0.261147	0.26	0.261147
314	499946	3736691	314	0.252608	0.251552	0.25	0.251552
315	499996	3736691	315	0.240954	0.239959	0.24	0.239959
316	500046	3736691	316	0.226065	0.225123	0.23	0.225123
317	500096	3736691	317	0.205821	0.204925	0.21	0.204925
318	500146	3736691	318	0.178871	0.178017	0.18	0.178017
319	496546	3736741	319	0.291922	0.291922	0.23	0.291922
320	496596	3736741	320	0.331932	0.331932	0.25	0.331932
321	496646	3736741	321	0.379953	0.379953	0.29	0.379953
322	496696	3736741	322	0.437422	0.437422	0.33	0.437422
323	496746	3736741	323	0.505954	0.505954	0.37	0.505954
324	496796	3736741	324	0.586154	0.586154	0.43	0.586154
325	497246	3736741	325	1.064319	0.843205	1.06	0.843205
326	497296	3736741	326	0.998214	0.734278	1.00	0.734278
327	497346	3736741	327	0.933794	0.647549	0.93	0.647549
328	497396	3736741	328	0.786888	0.564172	0.79	0.564172
329	497446	3736741	329	0.687229	0.505119	0.69	0.505119
330	497496	3736741	330	0.602314	0.457405	0.60	0.457405
331	497546	3736741	331	0.534833	0.419927	0.53	0.419927
332	497596	3736741	332	0.480386	0.387906	0.48	0.387906
333	497646	3736741	333	0.439991	0.365862	0.44	0.365862
334	497696	3736741	334	0.406729	0.346036	0.41	0.346036
335	497746	3736741	335	0.37986	0.329631	0.38	0.329631
336	498796	3736741	336	0.242021	0.23749	0.24	0.23749
337	498846	3736741	337	0.242127	0.237923	0.24	0.237923
338	499296	3736741	338	0.462281	0.460597	0.46	0.460597

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
339	499346	3736741	339	0.815295	0.813233	0.82	0.813233
340	500096	3736741	340	0.158527	0.157627	0.16	0.157627
341	500146	3736741	341	0.141397	0.140539	0.14	0.140539
342	496546	3736791	342	0.310875	0.310875	0.24	0.310875
343	496596	3736791	343	0.357898	0.357898	0.27	0.357898
344	496646	3736791	344	0.416139	0.416139	0.30	0.416139
345	496696	3736791	345	0.488793	0.488793	0.35	0.488793
346	496746	3736791	346	0.579683	0.579683	0.41	0.579683
347	496796	3736791	347	0.692367	0.692367	0.48	0.692367
348	497196	3736791	348	1.476704	1.194235	1.48	1.194235
349	497246	3736791	349	1.426499	1.010567	1.43	1.010567
350	497296	3736791	350	1.280071	0.852141	1.28	0.852141
351	497346	3736791	351	1.094875	0.727752	1.09	0.727752
352	497396	3736791	352	0.923837	0.635008	0.92	0.635008
353	497446	3736791	353	0.786398	0.565917	0.79	0.565917
354	497496	3736791	354	0.680177	0.512493	0.68	0.512493
355	497546	3736791	355	0.600192	0.471157	0.60	0.471157
356	497596	3736791	356	0.525067	0.423868	0.53	0.423868
357	497646	3736791	357	0.492104	0.411907	0.49	0.411907
358	497696	3736791	358	0.457022	0.391806	0.46	0.391806
359	497746	3736791	359	0.428158	0.374569	0.43	0.374569
360	498496	3736791	360	0.295972	0.288351	0.30	0.288351
361	498546	3736791	361	0.293858	0.286902	0.29	0.286902
362	498796	3736791	362	0.285904	0.281309	0.29	0.281309
363	498846	3736791	363	0.285529	0.281269	0.29	0.281269
364	499296	3736791	364	0.483593	0.481897	0.48	0.481897

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
365	499346	3736791	365	0.823897	0.82231	0.82	0.82231
366	499596	3736791	366	0.25806	0.256529	0.26	0.256529
367	499646	3736791	367	0.231228	0.229776	0.23	0.229776
368	499696	3736791	368	0.21312	0.211743	0.21	0.211743
369	500096	3736791	369	0.131863	0.130964	0.13	0.130964
370	500146	3736791	370	0.119711	0.118852	0.12	0.118852
371	500196	3736791	371	0.107186	0.106366	0.11	0.106366
372	500246	3736791	372	0.095259	0.094476	0.10	0.094476
373	500296	3736791	373	0.084637	0.08389	0.08	0.08389
374	500346	3736791	374	0.075716	0.075001	0.08	0.075001
375	500396	3736791	375	0.068151	0.067465	0.07	0.067465
376	500446	3736791	376	0.061783	0.061127	0.06	0.061127
377	500496	3736791	377	0.056615	0.055985	0.06	0.055985
378	496546	3736841	378	0.32828	0.32828	0.25	0.32828
379	496596	3736841	379	0.382392	0.382392	0.28	0.382392
380	496646	3736841	380	0.451631	0.451631	0.32	0.451631
381	496696	3736841	381	0.54156	0.54156	0.37	0.54156
382	496746	3736841	382	0.66019	0.66019	0.44	0.66019
383	496796	3736841	383	0.818132	0.818132	0.53	0.818132
384	497196	3736841	384	2.189971	1.516523	2.19	1.516523
385	497246	3736841	385	2.009656	1.215987	2.01	1.215987
386	497296	3736841	386	1.67536	0.995496	1.68	0.995496
387	497346	3736841	387	1.345545	0.838858	1.35	0.838858
388	497396	3736841	388	1.091462	0.729448	1.09	0.729448
389	497446	3736841	389	0.909395	0.649964	0.91	0.649964
390	497496	3736841	390	0.781175	0.59115	0.78	0.59115

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
391	497546	3736841	391	0.68925	0.546438	0.69	0.546438
392	497596	3736841	392	0.621741	0.511744	0.62	0.511744
393	497646	3736841	393	0.57105	0.484424	0.57	0.484424
394	497696	3736841	394	0.532474	0.462821	0.53	0.462821
395	497746	3736841	395	0.502011	0.445188	0.50	0.445188
396	498496	3736841	396	0.372807	0.365057	0.37	0.365057
397	498546	3736841	397	0.37109	0.364024	0.37	0.364024
398	498796	3736841	398	0.360378	0.355728	0.36	0.355728
399	498846	3736841	399	0.359132	0.354824	0.36	0.354824
400	499296	3736841	400	0.523037	0.521255	0.52	0.521255
401	499346	3736841	401	0.843837	0.842241	0.84	0.842241
402	499596	3736841	402	0.235574	0.234035	0.24	0.234035
403	499646	3736841	403	0.208577	0.207117	0.21	0.207117
404	499696	3736841	404	0.190316	0.188934	0.19	0.188934
405	500096	3736841	405	0.114768	0.113866	0.11	0.113866
406	500146	3736841	406	0.105321	0.104463	0.11	0.104463
407	500196	3736841	407	0.095885	0.095066	0.10	0.095066
408	500246	3736841	408	0.087023	0.086239	0.09	0.086239
409	500296	3736841	409	0.078761	0.078012	0.08	0.078012
410	500346	3736841	410	0.071432	0.070717	0.07	0.070717
411	500396	3736841	411	0.065223	0.064536	0.07	0.064536
412	500446	3736841	412	0.059682	0.059025	0.06	0.059025
413	500496	3736841	413	0.05508	0.054448	0.06	0.054448
414	496546	3736891	414	0.342957	0.342957	0.25	0.342957
415	496596	3736891	415	0.403567	0.403567	0.29	0.403567
416	496646	3736891	416	0.483248	0.483248	0.33	0.483248

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
417	496696	3736891	417	0.590879	0.590879	0.39	0.590879
418	496746	3736891	418	0.740696	0.740696	0.47	0.740696
419	496796	3736891	419	0.956188	0.956188	0.58	0.956188
420	497096	3736891	420	3.443872	3.443872	2.90	3.443872
421	497146	3736891	421	3.584438	2.642897	3.58	2.642897
422	497196	3736891	422	3.662127	1.945566	3.66	1.945566
423	497246	3736891	423	3.005837	1.483923	3.01	1.483923
424	497296	3736891	424	2.230757	1.193752	2.23	1.193752
425	497346	3736891	425	1.670973	1.005713	1.67	1.005713
426	497396	3736891	426	1.317006	0.881096	1.32	0.881096
427	497446	3736891	427	1.09038	0.793453	1.09	0.793453
428	497496	3736891	428	0.942102	0.730699	0.94	0.730699
429	497546	3736891	429	0.839792	0.683879	0.84	0.683879
430	497596	3736891	430	0.766897	0.648382	0.77	0.648382
431	497646	3736891	431	0.713542	0.62111	0.71	0.62111
432	497696	3736891	432	0.67342	0.599806	0.67	0.599806
433	497746	3736891	433	0.642909	0.583197	0.64	0.583197
434	498496	3736891	434	0.539845	0.531991	0.54	0.531991
435	498546	3736891	435	0.540013	0.532857	0.54	0.532857
436	498746	3736891	436	0.525027	0.519947	0.53	0.519947
437	498796	3736891	437	0.521208	0.516514	0.52	0.516514
438	498846	3736891	438	0.517605	0.513259	0.52	0.513259
439	499296	3736891	439	0.623641	0.621349	0.62	0.621349
440	499346	3736891	440	0.901282	0.899682	0.90	0.899682
441	499596	3736891	441	0.21684	0.215296	0.22	0.215296
442	499646	3736891	442	0.190791	0.189328	0.19	0.189328

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
443	499696	3736891	443	0.173074	0.171686	0.17	0.171686
444	499746	3736891	444	0.159919	0.158604	0.16	0.158604
445	499796	3736891	445	0.149559	0.148308	0.15	0.148308
446	499846	3736891	446	0.140734	0.139546	0.14	0.139546
447	499896	3736891	447	0.132942	0.131808	0.13	0.131808
448	499946	3736891	448	0.124989	0.123933	0.12	0.123933
449	499996	3736891	449	0.117698	0.116697	0.12	0.116697
450	500046	3736891	450	0.110285	0.109335	0.11	0.109335
451	500096	3736891	451	0.102782	0.101878	0.10	0.101878
452	500146	3736891	452	0.095115	0.094256	0.10	0.094256
453	500196	3736891	453	0.087556	0.086737	0.09	0.086737
454	500246	3736891	454	0.080351	0.07957	0.08	0.07957
455	500296	3736891	455	0.073816	0.073067	0.07	0.073067
456	500346	3736891	456	0.067722	0.067006	0.07	0.067006
457	500396	3736891	457	0.062454	0.061766	0.06	0.061766
458	500446	3736891	458	0.057601	0.056943	0.06	0.056943
459	500496	3736891	459	0.05337	0.05274	0.05	0.05274
460	496546	3736941	460	0.353688	0.353688	0.26	0.353688
461	496596	3736941	461	0.419676	0.419676	0.30	0.419676
462	496646	3736941	462	0.508062	0.508062	0.35	0.508062
463	496696	3736941	463	0.631015	0.631015	0.41	0.631015
464	496746	3736941	464	0.809573	0.809573	0.49	0.809573
465	496796	3736941	465	1.085768	1.085768	0.62	1.085768
466	497096	3736941	466	6.418288	6.418288	5.41	6.418288
467	497146	3736941	467	8.146928	3.887693	8.15	3.887693
468	497196	3736941	468	7.669871	2.614247	7.67	2.614247

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
469	497246	3736941	469	4.81879	1.974671	4.82	1.974671
470	497296	3736941	470	3.092996	1.624067	3.09	1.624067
471	497346	3736941	471	2.237592	1.416203	2.24	1.416203
472	497396	3736941	472	1.789054	1.285872	1.79	1.285872
473	497446	3736941	473	1.530577	1.199866	1.53	1.199866
474	497496	3736941	474	1.372232	1.142137	1.37	1.142137
475	497546	3736941	475	1.27028	1.103014	1.27	1.103014
476	497596	3736941	476	1.202044	1.07629	1.20	1.07629
477	497646	3736941	477	1.156196	1.058956	1.16	1.058956
478	497696	3736941	478	1.12569	1.048772	1.13	1.048772
479	497746	3736941	479	1.104379	1.042343	1.10	1.042343
480	498746	3736941	480	0.898501	0.893385	0.90	0.893385
481	498796	3736941	481	0.917596	0.912872	0.92	0.912872
482	498846	3736941	482	0.898633	0.89426	0.90	0.89426
483	499596	3736941	483	0.199541	0.197994	0.20	0.197994
484	499646	3736941	484	0.175564	0.174098	0.18	0.174098
485	499696	3736941	485	0.158946	0.157555	0.16	0.157555
486	499746	3736941	486	0.14645	0.145132	0.15	0.145132
487	499796	3736941	487	0.13657	0.135316	0.14	0.135316
488	499846	3736941	488	0.12817	0.12698	0.13	0.12698
489	499896	3736941	489	0.12083	0.119695	0.12	0.119695
490	499946	3736941	490	0.113463	0.112403	0.11	0.112403
491	499996	3736941	491	0.106812	0.10581	0.11	0.10581
492	500046	3736941	492	0.1002	0.099255	0.10	0.099255
493	500096	3736941	493	0.093705	0.092804	0.09	0.092804
494	500146	3736941	494	0.087367	0.086507	0.09	0.086507

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
495	500196	3736941	495	0.081066	0.080247	0.08	0.080247
496	500246	3736941	496	0.075045	0.074263	0.08	0.074263
497	500296	3736941	497	0.069613	0.068864	0.07	0.068864
498	500346	3736941	498	0.064421	0.063706	0.06	0.063706
499	500396	3736941	499	0.059881	0.059194	0.06	0.059194
500	500446	3736941	500	0.055593	0.054936	0.06	0.054936
501	500496	3736941	501	0.051886	0.051255	0.05	0.051255
502	496546	3736991	502	0.3597	0.3597	0.26	0.3597
503	496596	3736991	503	0.428843	0.428843	0.30	0.428843
504	498696	3736991	504	0.849678	0.844102	0.85	0.844102
505	498746	3736991	505	0.85907	0.853934	0.86	0.853934
506	498796	3736991	506	0.870837	0.866094	0.87	0.866094
507	498846	3736991	507	0.882424	0.878035	0.88	0.878035
508	498896	3736991	508	0.895269	0.891198	0.90	0.891198
509	499696	3736991	509	0.146655	0.145264	0.15	0.145264
510	496546	3737041	510	0.356785	0.356785	0.25	0.356785
511	496596	3737041	511	0.430015	0.430015	0.30	0.430015
512	498696	3737041	512	0.439252	0.43367	0.44	0.43367
513	498746	3737041	513	0.439648	0.434506	0.44	0.434506
514	498796	3737041	514	0.440697	0.43595	0.44	0.43595
515	498846	3737041	515	0.441874	0.43748	0.44	0.43748
516	498896	3737041	516	0.443422	0.439346	0.44	0.439346
517	499696	3737041	517	0.135591	0.1342	0.14	0.1342
518	496546	3737091	518	0.336814	0.336814	0.24	0.336814
519	496596	3737091	519	0.423045	0.423045	0.30	0.423045
520	498746	3737091	520	0.315742	0.310611	0.32	0.310611

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
521	498796	3737091	521	0.315086	0.310348	0.32	0.310348
522	498846	3737091	522	0.314701	0.310316	0.31	0.310316
523	498896	3737091	523	0.314499	0.31043	0.31	0.31043
524	499696	3737091	524	0.125518	0.124129	0.13	0.124129
525	496546	3737141	525	0.312147	0.312147	0.23	0.312147
526	496596	3737141	526	0.381017	0.381017	0.27	0.381017
527	499696	3737141	527	0.116371	0.114987	0.12	0.114987
528	499396	3737191	528	0.172728	0.1707	0.17	0.1707
529	499446	3737191	529	0.159387	0.158011	0.16	0.158011
530	499496	3737191	530	0.146891	0.14568	0.15	0.14568
531	499546	3737191	531	0.135074	0.133434	0.14	0.133434
532	499596	3737191	532	0.124704	0.123167	0.12	0.123167
533	499646	3737191	533	0.115854	0.114398	0.12	0.114398
534	499696	3737191	534	0.108128	0.106749	0.11	0.106749
535	499396	3737241	535	0.149925	0.147909	0.15	0.147909
536	499446	3737241	536	0.14021	0.138847	0.14	0.138847
537	499496	3737241	537	0.131364	0.130085	0.13	0.130085
538	499546	3737241	538	0.122385	0.120755	0.12	0.120755
539	499596	3737241	539	0.114322	0.112794	0.11	0.112794
540	499646	3737241	540	0.107199	0.10575	0.11	0.10575
541	499696	3737241	541	0.100747	0.099375	0.10	0.099375
542	499396	3737291	542	0.133228	0.131227	0.13	0.131227
543	499446	3737291	543	0.125646	0.124296	0.13	0.124296
544	499496	3737291	544	0.118939	0.117673	0.12	0.117673
545	499546	3737291	545	0.111883	0.110264	0.11	0.110264
546	499596	3737291	546	0.105654	0.104118	0.11	0.104118

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Cancer Risk Summary -Birth to 2 years

	Receptor	*Max Risk (both Scenarios)*
Birth to 2	467	8.1469

Receptor #	X	Y	Receptor #	Total Risk Birth to 2	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
547	499646	3737291	547	0.0996	0.098161	0.10	0.098161
548	499696	3737291	548	0.09418	0.092816	0.09	0.092816
549	499396	3737341	549	0.120387	0.118406	0.12	0.118406
550	499446	3737341	550	0.114459	0.112957	0.11	0.112957
551	499496	3737341	551	0.108854	0.107602	0.11	0.107602
552	499546	3737341	552	0.1031	0.101494	0.10	0.101494
553	499596	3737341	553	0.098023	0.096499	0.10	0.096499
554	499646	3737341	554	0.092938	0.09151	0.09	0.09151
555	499696	3737341	555	0.088399	0.087042	0.09	0.087042
556	498945	3736941	556	1.138946	1.135169	1.14	1.135169
557	498995	3736943	557	0.904013	0.900495	0.90	0.900495
558	498945	3736894	558	0.527855	0.524098	0.53	0.524098
559	498995	3736897	559	0.542631	0.539128	0.54	0.539128

Mitigated Construction Non-Cancer Health Risk Summary

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
1	1.98E-04	1.94E-04	1.98E-04	1.94E-04
2	2.00E-04	1.98E-04	2.00E-04	1.98E-04
3	2.04E-04	2.01E-04	2.04E-04	2.01E-04
4	2.09E-04	2.06E-04	2.09E-04	2.06E-04
5	2.14E-04	2.11E-04	2.14E-04	2.11E-04
6	2.20E-04	2.17E-04	2.20E-04	2.17E-04
7	2.26E-04	2.24E-04	2.26E-04	2.24E-04
8	2.33E-04	2.30E-04	2.33E-04	2.30E-04
9	2.38E-04	2.36E-04	2.38E-04	2.36E-04
10	2.43E-04	2.41E-04	2.43E-04	2.41E-04
11	2.46E-04	2.44E-04	2.46E-04	2.44E-04
12	2.47E-04	2.45E-04	2.47E-04	2.45E-04
13	2.46E-04	2.44E-04	2.46E-04	2.44E-04
14	2.42E-04	2.41E-04	2.42E-04	2.41E-04
15	2.38E-04	2.36E-04	2.38E-04	2.36E-04
16	2.32E-04	2.30E-04	2.32E-04	2.30E-04
17	2.25E-04	2.24E-04	2.25E-04	2.24E-04
18	2.18E-04	2.16E-04	2.18E-04	2.16E-04
19	2.09E-04	2.08E-04	2.09E-04	2.08E-04
20	2.00E-04	1.99E-04	2.00E-04	1.99E-04
21	1.90E-04	1.89E-04	1.90E-04	1.89E-04
22	1.80E-04	1.79E-04	1.80E-04	1.79E-04
23	1.69E-04	1.67E-04	1.69E-04	1.67E-04
24	1.57E-04	1.56E-04	1.57E-04	1.56E-04
25	1.45E-04	1.44E-04	1.45E-04	1.44E-04
26	1.33E-04	1.32E-04	1.33E-04	1.32E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
27	1.22E-04	1.21E-04	1.22E-04	1.21E-04
28	1.12E-04	1.11E-04	1.12E-04	1.11E-04
29	1.03E-04	1.02E-04	1.03E-04	1.02E-04
30	9.46E-05	9.37E-05	9.46E-05	9.37E-05
31	2.11E-04	2.07E-04	2.11E-04	2.07E-04
32	2.15E-04	2.12E-04	2.15E-04	2.12E-04
33	2.20E-04	2.16E-04	2.20E-04	2.16E-04
34	2.27E-04	2.23E-04	2.27E-04	2.23E-04
35	2.34E-04	2.31E-04	2.34E-04	2.31E-04
36	2.43E-04	2.40E-04	2.43E-04	2.40E-04
37	2.52E-04	2.50E-04	2.52E-04	2.50E-04
38	2.62E-04	2.59E-04	2.62E-04	2.59E-04
39	2.70E-04	2.68E-04	2.70E-04	2.68E-04
40	2.77E-04	2.75E-04	2.77E-04	2.75E-04
41	2.81E-04	2.79E-04	2.81E-04	2.79E-04
42	2.83E-04	2.80E-04	2.83E-04	2.80E-04
43	2.81E-04	2.79E-04	2.81E-04	2.79E-04
44	2.77E-04	2.75E-04	2.77E-04	2.75E-04
45	2.71E-04	2.69E-04	2.71E-04	2.69E-04
46	2.64E-04	2.63E-04	2.64E-04	2.63E-04
47	2.56E-04	2.54E-04	2.56E-04	2.54E-04
48	2.47E-04	2.46E-04	2.47E-04	2.46E-04
49	2.37E-04	2.36E-04	2.37E-04	2.36E-04
50	2.26E-04	2.25E-04	2.26E-04	2.25E-04
51	2.14E-04	2.13E-04	2.14E-04	2.13E-04
52	2.01E-04	2.00E-04	2.01E-04	2.00E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
53	1.87E-04	1.86E-04	1.87E-04	1.86E-04
54	1.73E-04	1.71E-04	1.73E-04	1.71E-04
55	1.58E-04	1.57E-04	1.58E-04	1.57E-04
56	1.43E-04	1.42E-04	1.43E-04	1.42E-04
57	1.29E-04	1.28E-04	1.29E-04	1.28E-04
58	1.17E-04	1.16E-04	1.17E-04	1.16E-04
59	1.07E-04	1.06E-04	1.07E-04	1.06E-04
60	9.75E-05	9.66E-05	9.75E-05	9.66E-05
61	2.26E-04	2.22E-04	2.26E-04	2.22E-04
62	2.31E-04	2.28E-04	2.31E-04	2.28E-04
63	2.38E-04	2.35E-04	2.38E-04	2.35E-04
64	2.48E-04	2.44E-04	2.48E-04	2.44E-04
65	2.59E-04	2.56E-04	2.59E-04	2.56E-04
66	2.72E-04	2.69E-04	2.72E-04	2.69E-04
67	2.86E-04	2.83E-04	2.86E-04	2.83E-04
68	3.01E-04	2.98E-04	3.01E-04	2.98E-04
69	3.14E-04	3.11E-04	3.14E-04	3.11E-04
70	3.24E-04	3.21E-04	3.24E-04	3.21E-04
71	3.29E-04	3.27E-04	3.29E-04	3.27E-04
72	3.30E-04	3.28E-04	3.30E-04	3.28E-04
73	3.27E-04	3.25E-04	3.27E-04	3.25E-04
74	3.22E-04	3.20E-04	3.22E-04	3.20E-04
75	3.15E-04	3.13E-04	3.15E-04	3.13E-04
76	3.07E-04	3.05E-04	3.07E-04	3.05E-04
77	2.97E-04	2.95E-04	2.97E-04	2.95E-04
78	2.86E-04	2.85E-04	2.86E-04	2.85E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
79	2.75E-04	2.73E-04	2.75E-04	2.73E-04
80	2.61E-04	2.60E-04	2.61E-04	2.60E-04
81	2.47E-04	2.45E-04	2.47E-04	2.45E-04
82	2.30E-04	2.29E-04	2.30E-04	2.29E-04
83	2.12E-04	2.11E-04	2.12E-04	2.11E-04
84	1.93E-04	1.92E-04	1.93E-04	1.92E-04
85	1.73E-04	1.72E-04	1.73E-04	1.72E-04
86	1.54E-04	1.53E-04	1.54E-04	1.53E-04
87	1.37E-04	1.36E-04	1.37E-04	1.36E-04
88	1.23E-04	1.22E-04	1.23E-04	1.22E-04
89	1.10E-04	1.09E-04	1.10E-04	1.09E-04
90	1.00E-04	9.94E-05	1.00E-04	9.94E-05
91	2.42E-04	2.38E-04	2.42E-04	2.38E-04
92	2.49E-04	2.46E-04	2.49E-04	2.46E-04
93	2.59E-04	2.57E-04	2.59E-04	2.57E-04
94	2.72E-04	2.69E-04	2.72E-04	2.69E-04
95	2.89E-04	2.86E-04	2.89E-04	2.86E-04
96	3.09E-04	3.06E-04	3.09E-04	3.06E-04
97	3.32E-04	3.29E-04	3.32E-04	3.29E-04
98	3.55E-04	3.53E-04	3.55E-04	3.53E-04
99	3.76E-04	3.74E-04	3.76E-04	3.74E-04
100	3.90E-04	3.88E-04	3.90E-04	3.88E-04
101	3.96E-04	3.94E-04	3.96E-04	3.94E-04
102	3.96E-04	3.94E-04	3.96E-04	3.94E-04
103	3.92E-04	3.90E-04	3.92E-04	3.90E-04
104	3.84E-04	3.83E-04	3.84E-04	3.83E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
105	3.75E-04	3.74E-04	3.75E-04	3.74E-04
106	3.66E-04	3.64E-04	3.66E-04	3.64E-04
107	3.54E-04	3.53E-04	3.54E-04	3.53E-04
108	3.42E-04	3.40E-04	3.42E-04	3.40E-04
109	3.28E-04	3.26E-04	3.28E-04	3.26E-04
110	3.12E-04	3.10E-04	3.12E-04	3.10E-04
111	2.93E-04	2.92E-04	2.93E-04	2.92E-04
112	2.71E-04	2.70E-04	2.71E-04	2.70E-04
113	2.47E-04	2.46E-04	2.47E-04	2.46E-04
114	2.20E-04	2.19E-04	2.20E-04	2.19E-04
115	1.92E-04	1.91E-04	1.92E-04	1.91E-04
116	1.67E-04	1.66E-04	1.67E-04	1.66E-04
117	1.45E-04	1.44E-04	1.45E-04	1.44E-04
118	1.28E-04	1.27E-04	1.28E-04	1.27E-04
119	1.14E-04	1.13E-04	1.14E-04	1.13E-04
120	1.03E-04	1.02E-04	1.03E-04	1.02E-04
121	2.60E-04	2.55E-04	2.60E-04	2.55E-04
122	2.69E-04	2.66E-04	2.69E-04	2.66E-04
123	2.83E-04	2.80E-04	2.83E-04	2.80E-04
124	3.02E-04	2.98E-04	3.02E-04	2.98E-04
125	3.27E-04	3.23E-04	3.27E-04	3.23E-04
126	3.59E-04	3.56E-04	3.59E-04	3.56E-04
127	3.97E-04	3.95E-04	3.97E-04	3.95E-04
128	4.39E-04	4.36E-04	4.39E-04	4.36E-04
129	4.73E-04	4.71E-04	4.73E-04	4.71E-04
130	4.93E-04	4.90E-04	4.93E-04	4.90E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
131	4.98E-04	4.96E-04	4.98E-04	4.96E-04
132	4.95E-04	4.93E-04	4.95E-04	4.93E-04
133	4.87E-04	4.85E-04	4.87E-04	4.85E-04
134	4.77E-04	4.75E-04	4.77E-04	4.75E-04
135	4.66E-04	4.64E-04	4.66E-04	4.64E-04
136	4.54E-04	4.52E-04	4.54E-04	4.52E-04
137	4.41E-04	4.39E-04	4.41E-04	4.39E-04
138	4.27E-04	4.25E-04	4.27E-04	4.25E-04
139	4.10E-04	4.09E-04	4.10E-04	4.09E-04
140	3.90E-04	3.89E-04	3.90E-04	3.89E-04
141	3.66E-04	3.65E-04	3.66E-04	3.65E-04
142	3.36E-04	3.35E-04	3.36E-04	3.35E-04
143	3.00E-04	2.99E-04	3.00E-04	2.99E-04
144	2.58E-04	2.57E-04	2.58E-04	2.57E-04
145	2.17E-04	2.16E-04	2.17E-04	2.16E-04
146	1.81E-04	1.80E-04	1.81E-04	1.80E-04
147	1.53E-04	1.52E-04	1.53E-04	1.52E-04
148	1.33E-04	1.32E-04	1.33E-04	1.32E-04
149	1.18E-04	1.17E-04	1.18E-04	1.17E-04
150	1.06E-04	1.05E-04	1.06E-04	1.05E-04
151	2.79E-04	2.75E-04	2.79E-04	2.75E-04
152	2.92E-04	2.88E-04	2.92E-04	2.88E-04
153	3.09E-04	3.07E-04	3.09E-04	3.07E-04
154	3.36E-04	3.33E-04	3.36E-04	3.33E-04
155	3.73E-04	3.70E-04	3.73E-04	3.70E-04
156	4.28E-04	4.25E-04	4.28E-04	4.25E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
157	5.02E-04	4.99E-04	5.02E-04	4.99E-04
158	5.86E-04	5.83E-04	5.86E-04	5.83E-04
159	6.48E-04	6.45E-04	6.48E-04	6.45E-04
160	6.70E-04	6.68E-04	6.70E-04	6.68E-04
161	6.70E-04	6.67E-04	6.70E-04	6.67E-04
162	6.60E-04	6.58E-04	6.60E-04	6.58E-04
163	6.47E-04	6.45E-04	6.47E-04	6.45E-04
164	6.34E-04	6.32E-04	6.34E-04	6.32E-04
165	6.20E-04	6.18E-04	6.20E-04	6.18E-04
166	6.05E-04	6.04E-04	6.05E-04	6.04E-04
167	5.90E-04	5.88E-04	5.90E-04	5.88E-04
168	5.73E-04	5.71E-04	5.73E-04	5.71E-04
169	5.53E-04	5.52E-04	5.53E-04	5.52E-04
170	5.29E-04	5.27E-04	5.29E-04	5.27E-04
171	4.97E-04	4.95E-04	4.97E-04	4.95E-04
172	4.53E-04	4.52E-04	4.53E-04	4.52E-04
173	3.94E-04	3.92E-04	3.94E-04	3.92E-04
174	3.19E-04	3.18E-04	3.19E-04	3.18E-04
175	2.48E-04	2.47E-04	2.48E-04	2.47E-04
176	1.96E-04	1.95E-04	1.96E-04	1.95E-04
177	1.61E-04	1.60E-04	1.61E-04	1.60E-04
178	1.38E-04	1.37E-04	1.38E-04	1.37E-04
179	1.21E-04	1.20E-04	1.21E-04	1.20E-04
180	1.08E-04	1.07E-04	1.08E-04	1.07E-04
181	3.01E-04	2.96E-04	3.01E-04	2.96E-04
182	3.16E-04	3.12E-04	3.16E-04	3.12E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
183	3.38E-04	3.36E-04	3.38E-04	3.36E-04
184	3.74E-04	3.71E-04	3.74E-04	3.71E-04
185	4.30E-04	4.26E-04	4.30E-04	4.26E-04
186	5.25E-04	5.22E-04	5.25E-04	5.22E-04
187	6.95E-04	6.92E-04	6.95E-04	6.92E-04
188	9.33E-04	9.30E-04	9.33E-04	9.30E-04
189	1.05E-03	1.05E-03	1.05E-03	1.05E-03
190	1.06E-03	1.05E-03	1.06E-03	1.05E-03
191	1.04E-03	1.04E-03	1.04E-03	1.04E-03
192	1.02E-03	1.01E-03	1.02E-03	1.01E-03
193	9.95E-04	9.93E-04	9.95E-04	9.93E-04
194	9.74E-04	9.72E-04	9.74E-04	9.72E-04
195	9.55E-04	9.53E-04	9.55E-04	9.53E-04
196	9.35E-04	9.34E-04	9.35E-04	9.34E-04
197	9.15E-04	9.14E-04	9.15E-04	9.14E-04
198	8.94E-04	8.92E-04	8.94E-04	8.92E-04
199	8.69E-04	8.67E-04	8.69E-04	8.67E-04
200	8.38E-04	8.37E-04	8.38E-04	8.37E-04
201	4.30E-04	4.29E-04	4.30E-04	4.29E-04
202	2.84E-04	2.83E-04	2.84E-04	2.83E-04
203	2.09E-04	2.08E-04	2.09E-04	2.08E-04
204	1.68E-04	1.67E-04	1.68E-04	1.67E-04
205	1.42E-04	1.41E-04	1.42E-04	1.41E-04
206	1.23E-04	1.22E-04	1.23E-04	1.22E-04
207	1.10E-04	1.09E-04	1.10E-04	1.09E-04
208	3.24E-04	3.20E-04	3.24E-04	3.20E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
209	3.43E-04	3.39E-04	3.43E-04	3.39E-04
210	3.69E-04	3.66E-04	3.69E-04	3.66E-04
211	4.14E-04	4.11E-04	4.14E-04	4.11E-04
212	4.91E-04	4.87E-04	4.91E-04	4.87E-04
213	6.48E-04	6.45E-04	6.48E-04	6.45E-04
214	1.11E-03	1.11E-03	1.11E-03	1.11E-03
215	1.97E-03	1.97E-03	1.97E-03	1.97E-03
216	1.50E-03	1.49E-03	1.50E-03	1.49E-03
217	1.43E-03	1.43E-03	1.43E-03	1.43E-03
218	1.87E-03	1.87E-03	1.87E-03	1.87E-03
219	1.35E-03	1.35E-03	1.35E-03	1.35E-03
220	1.33E-03	1.33E-03	1.33E-03	1.33E-03
221	1.76E-03	1.76E-03	1.76E-03	1.76E-03
222	1.27E-03	1.27E-03	1.27E-03	1.27E-03
223	1.74E-03	1.74E-03	1.74E-03	1.74E-03
224	1.67E-03	1.67E-03	1.67E-03	1.67E-03
225	1.21E-03	1.20E-03	1.21E-03	1.20E-03
226	1.63E-03	1.63E-03	1.63E-03	1.63E-03
227	1.57E-03	1.57E-03	1.57E-03	1.57E-03
228	6.55E-04	6.54E-04	6.55E-04	6.54E-04
229	3.11E-04	3.10E-04	3.11E-04	3.10E-04
230	2.17E-04	2.16E-04	2.17E-04	2.16E-04
231	1.71E-04	1.70E-04	1.71E-04	1.70E-04
232	1.44E-04	1.43E-04	1.44E-04	1.43E-04
233	1.25E-04	1.24E-04	1.25E-04	1.24E-04
234	1.11E-04	1.10E-04	1.11E-04	1.10E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
235	3.64E-04	3.64E-04	3.02E-04	3.64E-04
236	3.99E-04	3.99E-04	3.30E-04	3.99E-04
237	4.38E-04	4.38E-04	3.62E-04	4.38E-04
238	4.81E-04	4.81E-04	3.97E-04	4.81E-04
239	5.27E-04	5.27E-04	4.36E-04	5.27E-04
240	5.77E-04	5.77E-04	4.79E-04	5.77E-04
241	8.41E-04	8.30E-04	8.41E-04	8.30E-04
242	8.57E-04	8.00E-04	8.57E-04	8.00E-04
243	9.10E-04	7.82E-04	9.10E-04	7.82E-04
244	9.03E-04	7.57E-04	9.03E-04	7.57E-04
245	7.87E-04	6.54E-04	7.87E-04	6.54E-04
246	7.39E-04	6.06E-04	7.39E-04	6.06E-04
247	6.86E-04	5.62E-04	6.86E-04	5.62E-04
248	6.35E-04	5.25E-04	6.35E-04	5.25E-04
249	5.88E-04	4.93E-04	5.88E-04	4.93E-04
250	5.47E-04	4.65E-04	5.47E-04	4.65E-04
251	5.12E-04	4.42E-04	5.12E-04	4.42E-04
252	4.83E-04	4.23E-04	4.83E-04	4.23E-04
253	7.52E-04	7.49E-04	7.52E-04	7.49E-04
254	1.48E-03	1.48E-03	1.48E-03	1.48E-03
255	1.48E-03	1.48E-03	1.48E-03	1.48E-03
256	1.48E-03	1.48E-03	1.48E-03	1.48E-03
257	1.48E-03	1.48E-03	1.48E-03	1.48E-03
258	1.48E-03	1.47E-03	1.48E-03	1.47E-03
259	1.46E-03	1.46E-03	1.46E-03	1.46E-03
260	1.44E-03	1.44E-03	1.44E-03	1.44E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
261	1.38E-03	1.37E-03	1.38E-03	1.37E-03
262	1.16E-03	1.16E-03	1.16E-03	1.16E-03
263	3.92E-04	3.92E-04	3.20E-04	3.92E-04
264	4.35E-04	4.35E-04	3.52E-04	4.35E-04
265	4.83E-04	4.83E-04	3.89E-04	4.83E-04
266	5.37E-04	5.37E-04	4.31E-04	5.37E-04
267	5.97E-04	5.97E-04	4.79E-04	5.97E-04
268	6.63E-04	6.63E-04	5.33E-04	6.63E-04
269	1.10E-03	9.67E-04	1.10E-03	9.67E-04
270	1.12E-03	9.44E-04	1.12E-03	9.44E-04
271	1.09E-03	8.59E-04	1.09E-03	8.59E-04
272	9.64E-04	7.40E-04	9.64E-04	7.40E-04
273	8.38E-04	6.67E-04	8.38E-04	6.67E-04
274	7.66E-04	6.15E-04	7.66E-04	6.15E-04
275	7.14E-04	5.73E-04	7.14E-04	5.73E-04
276	6.44E-04	5.35E-04	6.44E-04	5.35E-04
277	5.97E-04	5.06E-04	5.97E-04	5.06E-04
278	5.57E-04	4.81E-04	5.57E-04	4.81E-04
279	5.24E-04	4.60E-04	5.24E-04	4.60E-04
280	8.10E-04	8.07E-04	8.10E-04	8.07E-04
281	1.53E-03	1.53E-03	1.53E-03	1.53E-03
282	7.50E-04	7.48E-04	7.50E-04	7.48E-04
283	7.35E-04	7.33E-04	7.35E-04	7.33E-04
284	7.20E-04	7.18E-04	7.20E-04	7.18E-04
285	7.02E-04	7.00E-04	7.02E-04	7.00E-04
286	6.79E-04	6.78E-04	6.79E-04	6.78E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
287	6.46E-04	6.44E-04	6.46E-04	6.44E-04
288	5.91E-04	5.89E-04	5.91E-04	5.89E-04
289	4.95E-04	4.94E-04	4.95E-04	4.94E-04
290	4.21E-04	4.21E-04	3.37E-04	4.21E-04
291	4.73E-04	4.73E-04	3.74E-04	4.73E-04
292	5.32E-04	5.32E-04	4.18E-04	5.32E-04
293	6.02E-04	6.02E-04	4.68E-04	6.02E-04
294	6.80E-04	6.80E-04	5.27E-04	6.80E-04
295	7.69E-04	7.69E-04	5.95E-04	7.69E-04
296	1.28E-03	1.11E-03	1.28E-03	1.11E-03
297	1.39E-03	1.08E-03	1.39E-03	1.08E-03
298	1.29E-03	9.54E-04	1.29E-03	9.54E-04
299	1.08E-03	8.10E-04	1.08E-03	8.10E-04
300	9.55E-04	7.37E-04	9.55E-04	7.37E-04
301	8.59E-04	6.76E-04	8.59E-04	6.76E-04
302	7.98E-04	6.25E-04	7.98E-04	6.25E-04
303	7.09E-04	5.86E-04	7.09E-04	5.86E-04
304	6.55E-04	5.55E-04	6.55E-04	5.55E-04
305	6.11E-04	5.28E-04	6.11E-04	5.28E-04
306	5.75E-04	5.05E-04	5.75E-04	5.05E-04
307	3.89E-04	3.83E-04	3.89E-04	3.83E-04
308	3.91E-04	3.85E-04	3.91E-04	3.85E-04
309	8.43E-04	8.40E-04	8.43E-04	8.40E-04
310	1.54E-03	1.54E-03	1.54E-03	1.54E-03
311	5.28E-04	5.26E-04	5.28E-04	5.26E-04
312	5.12E-04	5.10E-04	5.12E-04	5.10E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
313	4.95E-04	4.93E-04	4.95E-04	4.93E-04
314	4.76E-04	4.75E-04	4.76E-04	4.75E-04
315	4.54E-04	4.53E-04	4.54E-04	4.53E-04
316	4.26E-04	4.25E-04	4.26E-04	4.25E-04
317	3.88E-04	3.86E-04	3.88E-04	3.86E-04
318	3.36E-04	3.35E-04	3.36E-04	3.35E-04
319	4.51E-04	4.51E-04	3.54E-04	4.51E-04
320	5.12E-04	5.12E-04	3.96E-04	5.12E-04
321	5.86E-04	5.86E-04	4.46E-04	5.86E-04
322	6.73E-04	6.73E-04	5.07E-04	6.73E-04
323	7.78E-04	7.78E-04	5.79E-04	7.78E-04
324	9.01E-04	9.01E-04	6.65E-04	9.01E-04
325	1.65E-03	1.32E-03	1.65E-03	1.32E-03
326	1.55E-03	1.16E-03	1.55E-03	1.16E-03
327	1.46E-03	1.03E-03	1.46E-03	1.03E-03
328	1.24E-03	9.08E-04	1.24E-03	9.08E-04
329	1.09E-03	8.21E-04	1.09E-03	8.21E-04
330	9.67E-04	7.51E-04	9.67E-04	7.51E-04
331	8.67E-04	6.96E-04	8.67E-04	6.96E-04
332	7.87E-04	6.49E-04	7.87E-04	6.49E-04
333	7.28E-04	6.17E-04	7.28E-04	6.17E-04
334	6.79E-04	5.89E-04	6.79E-04	5.89E-04
335	6.40E-04	5.65E-04	6.40E-04	5.65E-04
336	4.45E-04	4.39E-04	4.45E-04	4.39E-04
337	4.46E-04	4.40E-04	4.46E-04	4.40E-04
338	8.74E-04	8.71E-04	8.74E-04	8.71E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
339	1.55E-03	1.55E-03	1.55E-03	1.55E-03
340	2.97E-04	2.96E-04	2.97E-04	2.96E-04
341	2.64E-04	2.63E-04	2.64E-04	2.63E-04
342	4.80E-04	4.80E-04	3.69E-04	4.80E-04
343	5.51E-04	5.51E-04	4.17E-04	5.51E-04
344	6.40E-04	6.40E-04	4.74E-04	6.40E-04
345	7.51E-04	7.51E-04	5.45E-04	7.51E-04
346	8.90E-04	8.90E-04	6.33E-04	8.90E-04
347	1.06E-03	1.06E-03	7.42E-04	1.06E-03
348	2.27E-03	1.85E-03	2.27E-03	1.85E-03
349	2.20E-03	1.58E-03	2.20E-03	1.58E-03
350	1.99E-03	1.35E-03	1.99E-03	1.35E-03
351	1.71E-03	1.17E-03	1.71E-03	1.17E-03
352	1.46E-03	1.03E-03	1.46E-03	1.03E-03
353	1.26E-03	9.28E-04	1.26E-03	9.28E-04
354	1.10E-03	8.50E-04	1.10E-03	8.50E-04
355	9.81E-04	7.89E-04	9.81E-04	7.89E-04
356	8.70E-04	7.19E-04	8.70E-04	7.19E-04
357	8.22E-04	7.03E-04	8.22E-04	7.03E-04
358	7.71E-04	6.74E-04	7.71E-04	6.74E-04
359	7.29E-04	6.49E-04	7.29E-04	6.49E-04
360	5.42E-04	5.30E-04	5.42E-04	5.30E-04
361	5.39E-04	5.29E-04	5.39E-04	5.29E-04
362	5.29E-04	5.22E-04	5.29E-04	5.22E-04
363	5.29E-04	5.23E-04	5.29E-04	5.23E-04
364	9.14E-04	9.12E-04	9.14E-04	9.12E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
365	1.57E-03	1.56E-03	1.57E-03	1.56E-03
366	4.85E-04	4.83E-04	4.85E-04	4.83E-04
367	4.34E-04	4.32E-04	4.34E-04	4.32E-04
368	4.00E-04	3.98E-04	4.00E-04	3.98E-04
369	2.46E-04	2.45E-04	2.46E-04	2.45E-04
370	2.23E-04	2.22E-04	2.23E-04	2.22E-04
371	1.99E-04	1.98E-04	1.99E-04	1.98E-04
372	1.77E-04	1.75E-04	1.77E-04	1.75E-04
373	1.56E-04	1.55E-04	1.56E-04	1.55E-04
374	1.39E-04	1.38E-04	1.39E-04	1.38E-04
375	1.25E-04	1.24E-04	1.25E-04	1.24E-04
376	1.13E-04	1.12E-04	1.13E-04	1.12E-04
377	1.03E-04	1.02E-04	1.03E-04	1.02E-04
378	5.06E-04	5.06E-04	3.83E-04	5.06E-04
379	5.89E-04	5.89E-04	4.35E-04	5.89E-04
380	6.94E-04	6.94E-04	5.00E-04	6.94E-04
381	8.31E-04	8.31E-04	5.81E-04	8.31E-04
382	1.01E-03	1.01E-03	6.86E-04	1.01E-03
383	1.25E-03	1.25E-03	8.22E-04	1.25E-03
384	3.36E-03	2.36E-03	3.36E-03	2.36E-03
385	3.10E-03	1.91E-03	3.10E-03	1.91E-03
386	2.60E-03	1.59E-03	2.60E-03	1.59E-03
387	2.11E-03	1.36E-03	2.11E-03	1.36E-03
388	1.74E-03	1.20E-03	1.74E-03	1.20E-03
389	1.47E-03	1.08E-03	1.47E-03	1.08E-03
390	1.28E-03	9.94E-04	1.28E-03	9.94E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
391	1.14E-03	9.28E-04	1.14E-03	9.28E-04
392	1.04E-03	8.78E-04	1.04E-03	8.78E-04
393	9.67E-04	8.39E-04	9.67E-04	8.39E-04
394	9.11E-04	8.08E-04	9.11E-04	8.08E-04
395	8.67E-04	7.82E-04	8.67E-04	7.82E-04
396	6.88E-04	6.77E-04	6.88E-04	6.77E-04
397	6.87E-04	6.76E-04	6.87E-04	6.76E-04
398	6.72E-04	6.65E-04	6.72E-04	6.65E-04
399	6.70E-04	6.64E-04	6.70E-04	6.64E-04
400	9.90E-04	9.87E-04	9.90E-04	9.87E-04
401	1.60E-03	1.60E-03	1.60E-03	1.60E-03
402	4.42E-04	4.40E-04	4.42E-04	4.40E-04
403	3.91E-04	3.88E-04	3.91E-04	3.88E-04
404	3.56E-04	3.54E-04	3.56E-04	3.54E-04
405	2.13E-04	2.12E-04	2.13E-04	2.12E-04
406	1.95E-04	1.94E-04	1.95E-04	1.94E-04
407	1.78E-04	1.76E-04	1.78E-04	1.76E-04
408	1.61E-04	1.60E-04	1.61E-04	1.60E-04
409	1.45E-04	1.44E-04	1.45E-04	1.44E-04
410	1.31E-04	1.30E-04	1.31E-04	1.30E-04
411	1.20E-04	1.19E-04	1.20E-04	1.19E-04
412	1.09E-04	1.08E-04	1.09E-04	1.08E-04
413	1.00E-04	9.95E-05	1.00E-04	9.95E-05
414	5.28E-04	5.28E-04	3.94E-04	5.28E-04
415	6.20E-04	6.20E-04	4.50E-04	6.20E-04
416	7.42E-04	7.42E-04	5.21E-04	7.42E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
417	9.06E-04	9.06E-04	6.12E-04	9.06E-04
418	1.13E-03	1.13E-03	7.34E-04	1.13E-03
419	1.46E-03	1.46E-03	9.01E-04	1.46E-03
420	5.27E-03	5.27E-03	4.46E-03	5.27E-03
421	5.48E-03	4.08E-03	5.48E-03	4.08E-03
422	5.60E-03	3.05E-03	5.60E-03	3.05E-03
423	4.63E-03	2.36E-03	4.63E-03	2.36E-03
424	3.48E-03	1.93E-03	3.48E-03	1.93E-03
425	2.65E-03	1.66E-03	2.65E-03	1.66E-03
426	2.12E-03	1.47E-03	2.12E-03	1.47E-03
427	1.79E-03	1.35E-03	1.79E-03	1.35E-03
428	1.57E-03	1.25E-03	1.57E-03	1.25E-03
429	1.42E-03	1.19E-03	1.42E-03	1.19E-03
430	1.31E-03	1.14E-03	1.31E-03	1.14E-03
431	1.24E-03	1.10E-03	1.24E-03	1.10E-03
432	1.18E-03	1.07E-03	1.18E-03	1.07E-03
433	1.13E-03	1.05E-03	1.13E-03	1.05E-03
434	1.01E-03	9.96E-04	1.01E-03	9.96E-04
435	1.01E-03	9.99E-04	1.01E-03	9.99E-04
436	9.86E-04	9.78E-04	9.86E-04	9.78E-04
437	9.79E-04	9.72E-04	9.79E-04	9.72E-04
438	9.73E-04	9.67E-04	9.73E-04	9.67E-04
439	1.18E-03	1.18E-03	1.18E-03	1.18E-03
440	1.71E-03	1.71E-03	1.71E-03	1.71E-03
441	4.06E-04	4.04E-04	4.06E-04	4.04E-04
442	3.57E-04	3.54E-04	3.57E-04	3.54E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
443	3.23E-04	3.21E-04	3.23E-04	3.21E-04
444	2.98E-04	2.96E-04	2.98E-04	2.96E-04
445	2.79E-04	2.77E-04	2.79E-04	2.77E-04
446	2.62E-04	2.60E-04	2.62E-04	2.60E-04
447	2.47E-04	2.45E-04	2.47E-04	2.45E-04
448	2.32E-04	2.31E-04	2.32E-04	2.31E-04
449	2.19E-04	2.17E-04	2.19E-04	2.17E-04
450	2.05E-04	2.03E-04	2.05E-04	2.03E-04
451	1.90E-04	1.89E-04	1.90E-04	1.89E-04
452	1.76E-04	1.75E-04	1.76E-04	1.75E-04
453	1.62E-04	1.60E-04	1.62E-04	1.60E-04
454	1.48E-04	1.47E-04	1.48E-04	1.47E-04
455	1.36E-04	1.35E-04	1.36E-04	1.35E-04
456	1.24E-04	1.23E-04	1.24E-04	1.23E-04
457	1.14E-04	1.13E-04	1.14E-04	1.13E-04
458	1.05E-04	1.04E-04	1.05E-04	1.04E-04
459	9.72E-05	9.62E-05	9.72E-05	9.62E-05
460	5.44E-04	5.44E-04	4.02E-04	5.44E-04
461	6.45E-04	6.45E-04	4.61E-04	6.45E-04
462	7.79E-04	7.79E-04	5.37E-04	7.79E-04
463	9.67E-04	9.67E-04	6.36E-04	9.67E-04
464	1.24E-03	1.24E-03	7.71E-04	1.24E-03
465	1.66E-03	1.66E-03	9.66E-04	1.66E-03
466	9.83E-03	9.83E-03	8.32E-03	9.83E-03
467	1.24E-02	6.08E-03	1.24E-02	6.08E-03
468	1.17E-02	4.19E-03	1.17E-02	4.19E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
469	7.48E-03	3.24E-03	7.48E-03	3.24E-03
470	4.91E-03	2.73E-03	4.91E-03	2.73E-03
471	3.65E-03	2.43E-03	3.65E-03	2.43E-03
472	2.99E-03	2.24E-03	2.99E-03	2.24E-03
473	2.61E-03	2.12E-03	2.61E-03	2.12E-03
474	2.38E-03	2.04E-03	2.38E-03	2.04E-03
475	2.23E-03	1.99E-03	2.23E-03	1.99E-03
476	2.14E-03	1.95E-03	2.14E-03	1.95E-03
477	2.08E-03	1.93E-03	2.08E-03	1.93E-03
478	2.04E-03	1.93E-03	2.04E-03	1.93E-03
479	2.01E-03	1.92E-03	2.01E-03	1.92E-03
480	1.70E-03	1.69E-03	1.70E-03	1.69E-03
481	1.74E-03	1.73E-03	1.74E-03	1.73E-03
482	1.70E-03	1.70E-03	1.70E-03	1.70E-03
483	3.73E-04	3.71E-04	3.73E-04	3.71E-04
484	3.27E-04	3.25E-04	3.27E-04	3.25E-04
485	2.96E-04	2.94E-04	2.96E-04	2.94E-04
486	2.72E-04	2.70E-04	2.72E-04	2.70E-04
487	2.54E-04	2.52E-04	2.54E-04	2.52E-04
488	2.38E-04	2.36E-04	2.38E-04	2.36E-04
489	2.24E-04	2.22E-04	2.24E-04	2.22E-04
490	2.10E-04	2.09E-04	2.10E-04	2.09E-04
491	1.98E-04	1.96E-04	1.98E-04	1.96E-04
492	1.85E-04	1.84E-04	1.85E-04	1.84E-04
493	1.73E-04	1.72E-04	1.73E-04	1.72E-04
494	1.61E-04	1.60E-04	1.61E-04	1.60E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
495	1.49E-04	1.48E-04	1.49E-04	1.48E-04
496	1.38E-04	1.37E-04	1.38E-04	1.37E-04
497	1.28E-04	1.27E-04	1.28E-04	1.27E-04
498	1.18E-04	1.17E-04	1.18E-04	1.17E-04
499	1.09E-04	1.08E-04	1.09E-04	1.08E-04
500	1.01E-04	1.00E-04	1.01E-04	1.00E-04
501	9.43E-05	9.34E-05	9.43E-05	9.34E-05
502	5.53E-04	5.53E-04	4.06E-04	5.53E-04
503	6.58E-04	6.58E-04	4.67E-04	6.58E-04
504	1.61E-03	1.60E-03	1.61E-03	1.60E-03
505	1.62E-03	1.62E-03	1.62E-03	1.62E-03
506	1.65E-03	1.64E-03	1.65E-03	1.64E-03
507	1.67E-03	1.66E-03	1.67E-03	1.66E-03
508	1.70E-03	1.69E-03	1.70E-03	1.69E-03
509	2.72E-04	2.70E-04	2.72E-04	2.70E-04
510	5.49E-04	5.49E-04	3.97E-04	5.49E-04
511	6.60E-04	6.60E-04	4.67E-04	6.60E-04
512	8.20E-04	8.12E-04	8.20E-04	8.12E-04
513	8.22E-04	8.15E-04	8.22E-04	8.15E-04
514	8.25E-04	8.18E-04	8.25E-04	8.18E-04
515	8.28E-04	8.22E-04	8.28E-04	8.22E-04
516	8.32E-04	8.26E-04	8.32E-04	8.26E-04
517	2.51E-04	2.49E-04	2.51E-04	2.49E-04
518	5.18E-04	5.18E-04	3.81E-04	5.18E-04
519	6.49E-04	6.49E-04	4.61E-04	6.49E-04
520	5.85E-04	5.78E-04	5.85E-04	5.78E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
521	5.85E-04	5.78E-04	5.85E-04	5.78E-04
522	5.85E-04	5.78E-04	5.85E-04	5.78E-04
523	5.85E-04	5.79E-04	5.85E-04	5.79E-04
524	2.32E-04	2.30E-04	2.32E-04	2.30E-04
525	4.80E-04	4.80E-04	3.56E-04	4.80E-04
526	5.85E-04	5.85E-04	4.21E-04	5.85E-04
527	2.14E-04	2.12E-04	2.14E-04	2.12E-04
528	3.20E-04	3.17E-04	3.20E-04	3.17E-04
529	2.95E-04	2.93E-04	2.95E-04	2.93E-04
530	2.71E-04	2.70E-04	2.71E-04	2.70E-04
531	2.49E-04	2.47E-04	2.49E-04	2.47E-04
532	2.30E-04	2.28E-04	2.30E-04	2.28E-04
533	2.13E-04	2.11E-04	2.13E-04	2.11E-04
534	1.99E-04	1.97E-04	1.99E-04	1.97E-04
535	2.76E-04	2.73E-04	2.76E-04	2.73E-04
536	2.58E-04	2.56E-04	2.58E-04	2.56E-04
537	2.42E-04	2.40E-04	2.42E-04	2.40E-04
538	2.25E-04	2.23E-04	2.25E-04	2.23E-04
539	2.10E-04	2.08E-04	2.10E-04	2.08E-04
540	1.97E-04	1.95E-04	1.97E-04	1.95E-04
541	1.85E-04	1.83E-04	1.85E-04	1.83E-04
542	2.44E-04	2.41E-04	2.44E-04	2.41E-04
543	2.31E-04	2.28E-04	2.31E-04	2.28E-04
544	2.18E-04	2.16E-04	2.18E-04	2.16E-04
545	2.05E-04	2.03E-04	2.05E-04	2.03E-04
546	1.93E-04	1.91E-04	1.93E-04	1.91E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Construction Non-Cancer Health Risk Summary

Receptor	*Max HI*
467	0.0124

Receptor #	Total Risk	Facility 1 & Pipeline	Facility2 & Pipeline	Facility 3 & Pipeline
547	1.82E-04	1.80E-04	1.82E-04	1.80E-04
548	1.72E-04	1.70E-04	1.72E-04	1.70E-04
549	2.20E-04	2.17E-04	2.20E-04	2.17E-04
550	2.09E-04	2.07E-04	2.09E-04	2.07E-04
551	1.99E-04	1.97E-04	1.99E-04	1.97E-04
552	1.88E-04	1.86E-04	1.88E-04	1.86E-04
553	1.79E-04	1.77E-04	1.79E-04	1.77E-04
554	1.69E-04	1.67E-04	1.69E-04	1.67E-04
555	1.61E-04	1.59E-04	1.61E-04	1.59E-04
556	2.16E-03	2.16E-03	2.16E-03	2.16E-03
557	1.72E-03	1.71E-03	1.72E-03	1.71E-03
558	9.94E-04	9.89E-04	9.94E-04	9.89E-04
559	1.02E-03	1.02E-03	1.02E-03	1.02E-03

Mitigated Risk from Facility Location 1

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
1	0.44239	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.12E-07	1.1	10	0.96	70	0.85	2.7E-08	2.7E-02	**5.76**
2	0.42104	4.6E-04	1.9E-04	1090	1	0.96	1E-06	2.02E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
3	0.39428	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.89E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
4	0.38068	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.83E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
5	0.365	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.75E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
6	0.35285	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.69E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
7	0.34041	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.63E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
8	0.3295	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.58E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
9	0.31826	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.53E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
10	0.30848	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.48E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
11	0.29832	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.43E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
12	0.28995	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
13	0.28106	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.35E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
14	0.27218	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.31E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
15	0.26459	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.27E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
16	0.25654	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.23E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
17	0.24861	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.19E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
18	0.24183	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.16E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
19	0.23536	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.13E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
20	0.22811	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.09E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
21	0.22114	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.06E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
22	0.21561	4.6E-04	9.9E-05	1090	1	0.96	1E-06	1.03E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
23	0.20915	4.6E-04	9.6E-05	1090	1	0.96	1E-06	1.00E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
24	0.2035	4.6E-04	9.3E-05	1090	1	0.96	1E-06	9.76E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
25	0.19809	4.6E-04	9.1E-05	1090	1	0.96	1E-06	9.51E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
26	0.1925	4.6E-04	8.8E-05	1090	1	0.96	1E-06	9.24E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
27	0.18715	4.6E-04	8.6E-05	1090	1	0.96	1E-06	8.98E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
28	0.18207	4.6E-04	8.4E-05	1090	1	0.96	1E-06	8.74E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
29	0.17791	4.6E-04	8.2E-05	1090	1	0.96	1E-06	8.54E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
30	0.17321	4.6E-04	8.0E-05	1090	1	0.96	1E-06	8.31E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
31	0.44742	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.15E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
32	0.4253	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.04E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
33	0.39756	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.91E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
34	0.38371	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.84E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
35	0.36772	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.76E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
36	0.35544	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.71E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
37	0.34277	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.64E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
38	0.33177	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.59E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
39	0.32052	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.54E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
40	0.31044	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.49E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
41	0.30015	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.44E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
42	0.29208	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.40E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
43	0.28271	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.36E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
44	0.2746	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.32E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
45	0.26605	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.28E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
46	0.25846	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.24E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
47	0.25047	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.20E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
48	0.24336	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.17E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
49	0.23645	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.13E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
50	0.2292	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.10E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
51	0.22305	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.07E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
52	0.21658	4.6E-04	9.9E-05	1090	1	0.96	1E-06	1.04E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
53	0.21006	4.6E-04	9.6E-05	1090	1	0.96	1E-06	1.01E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
54	0.2044	4.6E-04	9.4E-05	1090	1	0.96	1E-06	9.81E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
55	0.19898	4.6E-04	9.1E-05	1090	1	0.96	1E-06	9.55E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
56	0.19328	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.27E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
57	0.18788	4.6E-04	8.6E-05	1090	1	0.96	1E-06	9.02E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
58	0.18332	4.6E-04	8.4E-05	1090	1	0.96	1E-06	8.80E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
59	0.17858	4.6E-04	8.2E-05	1090	1	0.96	1E-06	8.57E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
60	0.17384	4.6E-04	8.0E-05	1090	1	0.96	1E-06	8.34E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
61	0.45234	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.17E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
62	0.42946	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.06E-07	1.1	10	0.96	70	0.85	2.7E-08	2.7E-02	
63	0.40254	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.93E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
64	0.38672	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.86E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
65	0.37095	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.78E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
66	0.35797	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.72E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
67	0.34586	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.66E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
68	0.33397	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.60E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
69	0.32341	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.55E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
70	0.31238	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.50E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
71	0.30287	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.45E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
72	0.29382	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.41E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
73	0.28433	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.36E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
74	0.27614	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.33E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
75	0.2675	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.28E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
76	0.26009	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.25E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
77	0.25222	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.21E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
78	0.24442	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.17E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
79	0.2378	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.14E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
80	0.23045	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.11E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
81	0.22446	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.08E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
82	0.21758	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.04E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
83	0.21155	4.6E-04	9.7E-05	1090	1	0.96	1E-06	1.02E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
84	0.20581	4.6E-04	9.4E-05	1090	1	0.96	1E-06	9.88E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
85	0.19979	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.59E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
86	0.19404	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.31E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
87	0.18902	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.07E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
88	0.18426	4.6E-04	8.5E-05	1090	1	0.96	1E-06	8.84E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
89	0.17923	4.6E-04	8.2E-05	1090	1	0.96	1E-06	8.60E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
90	0.17445	4.6E-04	8.0E-05	1090	1	0.96	1E-06	8.37E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
91	0.45712	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.19E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
92	0.43351	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.08E-07	1.1	10	0.96	70	0.85	2.7E-08	2.7E-02	
93	0.41808	4.6E-04	1.9E-04	1090	1	0.96	1E-06	2.01E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
94	0.38967	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.87E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
95	0.37624	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.81E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
96	0.36046	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.73E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
97	0.34853	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.67E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
98	0.33633	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.61E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
99	0.32546	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.56E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
100	0.31429	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.51E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
101	0.30467	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.46E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
102	0.29552	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.42E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
103	0.28634	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.37E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
104	0.27766	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.33E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
105	0.26895	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.29E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
106	0.26144	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.25E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
107	0.25343	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.22E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
108	0.2454	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.18E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
109	0.23953	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.15E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
110	0.23181	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.11E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
111	0.22547	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.08E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
112	0.21856	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
113	0.21309	4.6E-04	9.8E-05	1090	1	0.96	1E-06	1.02E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
114	0.20664	4.6E-04	9.5E-05	1090	1	0.96	1E-06	9.92E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
115	0.20057	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.62E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
116	0.19524	4.6E-04	9.0E-05	1090	1	0.96	1E-06	9.37E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
117	0.19022	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.13E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
118	0.18493	4.6E-04	8.5E-05	1090	1	0.96	1E-06	8.87E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
119	0.17986	4.6E-04	8.3E-05	1090	1	0.96	1E-06	8.63E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
120	0.1758	4.6E-04	8.1E-05	1090	1	0.96	1E-06	8.44E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
121	0.46172	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.22E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
122	0.43899	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.11E-07	1.1	10	0.96	70	0.85	2.7E-08	2.7E-02	
123	0.42172	4.6E-04	1.9E-04	1090	1	0.96	1E-06	2.02E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
124	0.39353	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.89E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
125	0.37894	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.82E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
126	0.36545	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.75E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
127	0.35082	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.68E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
128	0.33938	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.63E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
129	0.32746	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.57E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
130	0.31719	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.52E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
131	0.30643	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.47E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
132	0.29718	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.43E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
133	0.28749	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.38E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
134	0.2785	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.34E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
135	0.2703	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.30E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
136	0.26275	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.26E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
137	0.25469	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.22E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
138	0.24787	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.19E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
139	0.24095	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.16E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
140	0.23353	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.12E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
141	0.22644	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.09E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
142	0.22043	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.06E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
143	0.21395	4.6E-04	9.8E-05	1090	1	0.96	1E-06	1.03E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
144	0.20745	4.6E-04	9.5E-05	1090	1	0.96	1E-06	9.95E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
145	0.20183	4.6E-04	9.3E-05	1090	1	0.96	1E-06	9.68E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
146	0.19653	4.6E-04	9.0E-05	1090	1	0.96	1E-06	9.43E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
147	0.19089	4.6E-04	8.8E-05	1090	1	0.96	1E-06	9.16E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
148	0.18559	4.6E-04	8.5E-05	1090	1	0.96	1E-06	8.91E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
149	0.1813	4.6E-04	8.3E-05	1090	1	0.96	1E-06	8.70E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
150	0.17639	4.6E-04	8.1E-05	1090	1	0.96	1E-06	8.46E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
151	0.46613	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.24E-07	1.1	10	0.96	70	0.85	2.9E-08	2.9E-02	
152	0.44893	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.15E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
153	0.42522	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.04E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
154	0.41014	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.97E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
155	0.38155	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.83E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
156	0.36852	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.77E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
157	0.35304	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.69E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
158	0.34146	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.64E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
159	0.3294	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.58E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
160	0.31902	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.53E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
161	0.30813	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.48E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
162	0.29879	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.43E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
163	0.28899	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
164	0.28054	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.35E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
165	0.27199	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.31E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
166	0.26403	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.27E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
167	0.25593	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.23E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
168	0.24903	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.19E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
169	0.24195	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.16E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
170	0.23465	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.13E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
171	0.22737	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.09E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
172	0.22157	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.06E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
173	0.21477	4.6E-04	9.9E-05	1090	1	0.96	1E-06	1.03E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
174	0.20877	4.6E-04	9.6E-05	1090	1	0.96	1E-06	1.00E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
175	0.20315	4.6E-04	9.3E-05	1090	1	0.96	1E-06	9.75E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
176	0.1972	4.6E-04	9.1E-05	1090	1	0.96	1E-06	9.46E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
177	0.19181	4.6E-04	8.8E-05	1090	1	0.96	1E-06	9.20E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
178	0.18707	4.6E-04	8.6E-05	1090	1	0.96	1E-06	8.98E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
179	0.18189	4.6E-04	8.4E-05	1090	1	0.96	1E-06	8.73E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
180	0.17692	4.6E-04	8.1E-05	1090	1	0.96	1E-06	8.49E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
181	0.47032	4.6E-04	2.2E-04	1090	1	0.96	1E-06	2.26E-07	1.1	10	0.96	70	0.85	2.9E-08	2.9E-02	
182	0.4528	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.17E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
183	0.4293	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.06E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
184	0.41322	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.98E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
185	0.38406	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.84E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
186	0.37087	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.78E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
187	0.35541	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.71E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
188	0.34346	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.65E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
189	0.33125	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.59E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
190	0.32076	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.54E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
191	0.30975	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.49E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
192	0.30031	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.44E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
193	0.29069	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
194	0.28189	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.35E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
195	0.27377	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.31E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
196	0.2652	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.27E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
197	0.25791	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.24E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
198	0.25012	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.20E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
199	0.24292	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.17E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
200	0.23555	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.13E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
201	0.2102	4.6E-04	9.6E-05	1090	1	0.96	1E-06	1.01E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
202	0.20383	4.6E-04	9.4E-05	1090	1	0.96	1E-06	9.78E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
203	0.19812	4.6E-04	9.1E-05	1090	1	0.96	1E-06	9.51E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
204	0.19315	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.27E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
205	0.18762	4.6E-04	8.6E-05	1090	1	0.96	1E-06	9.00E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
206	0.1824	4.6E-04	8.4E-05	1090	1	0.96	1E-06	8.75E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
207	0.17739	4.6E-04	8.1E-05	1090	1	0.96	1E-06	8.51E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
208	0.47425	4.6E-04	2.2E-04	1090	1	0.96	1E-06	2.28E-07	1.1	10	0.96	70	0.85	2.9E-08	2.9E-02	
209	0.45643	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.19E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
210	0.43332	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.08E-07	1.1	10	0.96	70	0.85	2.7E-08	2.7E-02	
211	0.41613	4.6E-04	1.9E-04	1090	1	0.96	1E-06	2.00E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
212	0.38645	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.85E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
213	0.37305	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.79E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
214	0.35719	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.71E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
215	0.34535	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.66E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
216	0.33301	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.60E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
217	0.3224	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.55E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
218	0.31206	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.50E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
219	0.30179	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.45E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
220	0.29269	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.40E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
221	0.28379	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.36E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
222	0.27496	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.32E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
223	0.26717	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.28E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
224	0.25894	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.24E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
225	0.25111	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.20E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
226	0.24386	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.17E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
227	0.23646	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.13E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
228	0.21086	4.6E-04	9.7E-05	1090	1	0.96	1E-06	1.01E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
229	0.20444	4.6E-04	9.4E-05	1090	1	0.96	1E-06	9.81E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
230	0.19951	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.57E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
231	0.19369	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.29E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
232	0.18812	4.6E-04	8.6E-05	1090	1	0.96	1E-06	9.03E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
233	0.18286	4.6E-04	8.4E-05	1090	1	0.96	1E-06	8.77E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
234	0.17844	4.6E-04	8.2E-05	1090	1	0.96	1E-06	8.56E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
235	3.2378	4.6E-04	1.5E-03	1090	1	0.96	1E-06	1.55E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	
236	3.56678	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.71E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
237	3.93071	4.6E-04	1.8E-03	1090	1	0.96	1E-06	1.89E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
238	4.32763	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.08E-06	1.1	10	0.96	70	0.85	2.7E-07	2.7E-01	
239	4.75431	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.28E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
240	5.20352	4.6E-04	2.4E-03	1090	1	0.96	1E-06	2.50E-06	1.1	10	0.96	70	0.85	3.2E-07	3.2E-01	
241	7.18756	4.6E-04	3.3E-03	1090	1	0.96	1E-06	3.45E-06	1.1	10	0.96	70	0.85	4.4E-07	4.4E-01	
242	6.78311	4.6E-04	3.1E-03	1090	1	0.96	1E-06	3.25E-06	1.1	10	0.96	70	0.85	4.2E-07	4.2E-01	
243	6.52431	4.6E-04	3.0E-03	1090	1	0.96	1E-06	3.13E-06	1.1	10	0.96	70	0.85	4.0E-07	4.0E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
244	6.1653	4.6E-04	2.8E-03	1090	1	0.96	1E-06	2.96E-06	1.1	10	0.96	70	0.85	3.8E-07	3.8E-01	
245	5.02479	4.6E-04	2.3E-03	1090	1	0.96	1E-06	2.41E-06	1.1	10	0.96	70	0.85	3.1E-07	3.1E-01	
246	4.45555	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.14E-06	1.1	10	0.96	70	0.85	2.7E-07	2.7E-01	
247	3.94193	4.6E-04	1.8E-03	1090	1	0.96	1E-06	1.89E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
248	3.4964	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.68E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
249	3.11423	4.6E-04	1.4E-03	1090	1	0.96	1E-06	1.49E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
250	2.78897	4.6E-04	1.3E-03	1090	1	0.96	1E-06	1.34E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
251	2.50993	4.6E-04	1.2E-03	1090	1	0.96	1E-06	1.20E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
252	2.27109	4.6E-04	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
253	0.37516	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.80E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
254	0.35908	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.72E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
255	0.26818	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.29E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
256	0.25985	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.25E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
257	0.25261	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.21E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
258	0.24505	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.18E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
259	0.23751	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.14E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
260	0.23117	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.11E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
261	0.22396	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.07E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
262	0.21823	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
263	3.51616	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.69E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
264	3.91702	4.6E-04	1.8E-03	1090	1	0.96	1E-06	1.88E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
265	4.37067	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.10E-06	1.1	10	0.96	70	0.85	2.7E-07	2.7E-01	
266	4.87851	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.34E-06	1.1	10	0.96	70	0.85	3.0E-07	3.0E-01	
267	5.43895	4.6E-04	2.5E-03	1090	1	0.96	1E-06	2.61E-06	1.1	10	0.96	70	0.85	3.4E-07	3.4E-01	
268	6.04496	4.6E-04	2.8E-03	1090	1	0.96	1E-06	2.90E-06	1.1	10	0.96	70	0.85	3.7E-07	3.7E-01	
269	8.32796	4.6E-04	3.8E-03	1090	1	0.96	1E-06	4.00E-06	1.1	10	0.96	70	0.85	5.1E-07	5.1E-01	
270	7.93708	4.6E-04	3.6E-03	1090	1	0.96	1E-06	3.81E-06	1.1	10	0.96	70	0.85	4.9E-07	4.9E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
271	6.93232	4.6E-04	3.2E-03	1090	1	0.96	1E-06	3.33E-06	1.1	10	0.96	70	0.85	4.3E-07	4.3E-01	
272	5.66407	4.6E-04	2.6E-03	1090	1	0.96	1E-06	2.72E-06	1.1	10	0.96	70	0.85	3.5E-07	3.5E-01	
273	4.81274	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.31E-06	1.1	10	0.96	70	0.85	3.0E-07	3.0E-01	
274	4.20452	4.6E-04	1.9E-03	1090	1	0.96	1E-06	2.02E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
275	3.71115	4.6E-04	1.7E-03	1090	1	0.96	1E-06	1.78E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
276	3.26578	4.6E-04	1.5E-03	1090	1	0.96	1E-06	1.57E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	
277	2.91008	4.6E-04	1.3E-03	1090	1	0.96	1E-06	1.40E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
278	2.60823	4.6E-04	1.2E-03	1090	1	0.96	1E-06	1.25E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
279	2.35235	4.6E-04	1.1E-03	1090	1	0.96	1E-06	1.13E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
280	0.37706	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.81E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
281	0.36308	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.74E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
282	0.26908	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.29E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
283	0.26147	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.25E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
284	0.25341	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.22E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
285	0.24607	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.18E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
286	0.23854	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.14E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
287	0.23188	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.11E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
288	0.22462	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.08E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
289	0.21881	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
290	3.80744	4.6E-04	1.7E-03	1090	1	0.96	1E-06	1.83E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
291	4.29391	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.06E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
292	4.8594	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.33E-06	1.1	10	0.96	70	0.85	3.0E-07	3.0E-01	
293	5.51364	4.6E-04	2.5E-03	1090	1	0.96	1E-06	2.65E-06	1.1	10	0.96	70	0.85	3.4E-07	3.4E-01	
294	6.25802	4.6E-04	2.9E-03	1090	1	0.96	1E-06	3.00E-06	1.1	10	0.96	70	0.85	3.9E-07	3.9E-01	
295	7.09277	4.6E-04	3.3E-03	1090	1	0.96	1E-06	3.40E-06	1.1	10	0.96	70	0.85	4.4E-07	4.4E-01	
296	9.45037	4.6E-04	4.3E-03	1090	1	0.96	1E-06	4.53E-06	1.1	10	0.96	70	0.85	5.8E-07	5.8E-01	
297	9.03324	4.6E-04	4.1E-03	1090	1	0.96	1E-06	4.33E-06	1.1	10	0.96	70	0.85	5.6E-07	5.6E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
298	7.56693	4.6E-04	3.5E-03	1090	1	0.96	1E-06	3.63E-06	1.1	10	0.96	70	0.85	4.7E-07	4.7E-01	
299	6.03607	4.6E-04	2.8E-03	1090	1	0.96	1E-06	2.90E-06	1.1	10	0.96	70	0.85	3.7E-07	3.7E-01	
300	5.17619	4.6E-04	2.4E-03	1090	1	0.96	1E-06	2.48E-06	1.1	10	0.96	70	0.85	3.2E-07	3.2E-01	
301	4.47039	4.6E-04	2.1E-03	1090	1	0.96	1E-06	2.15E-06	1.1	10	0.96	70	0.85	2.8E-07	2.8E-01	
302	3.82768	4.6E-04	1.8E-03	1090	1	0.96	1E-06	1.84E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
303	3.41561	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.64E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
304	3.03098	4.6E-04	1.4E-03	1090	1	0.96	1E-06	1.45E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
305	2.70667	4.6E-04	1.2E-03	1090	1	0.96	1E-06	1.30E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
306	2.43199	4.6E-04	1.1E-03	1090	1	0.96	1E-06	1.17E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
307	0.59861	4.6E-04	2.7E-04	1090	1	0.96	1E-06	2.87E-07	1.1	10	0.96	70	0.85	3.7E-08	3.7E-02	
308	0.57247	4.6E-04	2.6E-04	1090	1	0.96	1E-06	2.75E-07	1.1	10	0.96	70	0.85	3.5E-08	3.5E-02	
309	0.37876	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.82E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
310	0.36574	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.75E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
311	0.2699	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.30E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
312	0.26221	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.26E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
313	0.2541	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.22E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
314	0.24701	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.19E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
315	0.23951	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.15E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
316	0.23251	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.12E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
317	0.22579	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.08E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
318	0.21931	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
319	4.10227	4.6E-04	1.9E-03	1090	1	0.96	1E-06	1.97E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
320	4.68612	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.25E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
321	5.38718	4.6E-04	2.5E-03	1090	1	0.96	1E-06	2.58E-06	1.1	10	0.96	70	0.85	3.3E-07	3.3E-01	
322	6.22589	4.6E-04	2.9E-03	1090	1	0.96	1E-06	2.99E-06	1.1	10	0.96	70	0.85	3.8E-07	3.8E-01	
323	7.22518	4.6E-04	3.3E-03	1090	1	0.96	1E-06	3.47E-06	1.1	10	0.96	70	0.85	4.5E-07	4.5E-01	
324	8.39251	4.6E-04	3.9E-03	1090	1	0.96	1E-06	4.03E-06	1.1	10	0.96	70	0.85	5.2E-07	5.2E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
325	11.24404	4.6E-04	5.2E-03	1090	1	0.96	1E-06	5.40E-06	1.1	10	0.96	70	0.85	6.9E-07	6.9E-01	
326	9.41497	4.6E-04	4.3E-03	1090	1	0.96	1E-06	4.52E-06	1.1	10	0.96	70	0.85	5.8E-07	5.8E-01	
327	7.95533	4.6E-04	3.7E-03	1090	1	0.96	1E-06	3.82E-06	1.1	10	0.96	70	0.85	4.9E-07	4.9E-01	
328	6.55031	4.6E-04	3.0E-03	1090	1	0.96	1E-06	3.14E-06	1.1	10	0.96	70	0.85	4.0E-07	4.0E-01	
329	5.54279	4.6E-04	2.5E-03	1090	1	0.96	1E-06	2.66E-06	1.1	10	0.96	70	0.85	3.4E-07	3.4E-01	
330	4.73155	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.27E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
331	4.08865	4.6E-04	1.9E-03	1090	1	0.96	1E-06	1.96E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
332	3.54644	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.70E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
333	3.14983	4.6E-04	1.4E-03	1090	1	0.96	1E-06	1.51E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
334	2.80229	4.6E-04	1.3E-03	1090	1	0.96	1E-06	1.34E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
335	2.50957	4.6E-04	1.2E-03	1090	1	0.96	1E-06	1.20E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
336	0.60282	4.6E-04	2.8E-04	1090	1	0.96	1E-06	2.89E-07	1.1	10	0.96	70	0.85	3.7E-08	3.7E-02	
337	0.57629	4.6E-04	2.6E-04	1090	1	0.96	1E-06	2.77E-07	1.1	10	0.96	70	0.85	3.6E-08	3.6E-02	
338	0.39562	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.90E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
339	0.36811	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.77E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
340	0.22619	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.09E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
341	0.21972	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
342	4.38948	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.11E-06	1.1	10	0.96	70	0.85	2.7E-07	2.7E-01	
343	5.07919	4.6E-04	2.3E-03	1090	1	0.96	1E-06	2.44E-06	1.1	10	0.96	70	0.85	3.1E-07	3.1E-01	
344	5.93393	4.6E-04	2.7E-03	1090	1	0.96	1E-06	2.85E-06	1.1	10	0.96	70	0.85	3.7E-07	3.7E-01	
345	7.00004	4.6E-04	3.2E-03	1090	1	0.96	1E-06	3.36E-06	1.1	10	0.96	70	0.85	4.3E-07	4.3E-01	
346	8.33258	4.6E-04	3.8E-03	1090	1	0.96	1E-06	4.00E-06	1.1	10	0.96	70	0.85	5.1E-07	5.1E-01	
347	9.98221	4.6E-04	4.6E-03	1090	1	0.96	1E-06	4.79E-06	1.1	10	0.96	70	0.85	6.2E-07	6.2E-01	
348	16.41979	4.6E-04	7.5E-03	1090	1	0.96	1E-06	7.88E-06	1.1	10	0.96	70	0.85	1.0E-06	1.0E+00	
349	13.35444	4.6E-04	6.1E-03	1090	1	0.96	1E-06	6.41E-06	1.1	10	0.96	70	0.85	8.2E-07	8.2E-01	
350	10.71305	4.6E-04	4.9E-03	1090	1	0.96	1E-06	5.14E-06	1.1	10	0.96	70	0.85	6.6E-07	6.6E-01	
351	8.63697	4.6E-04	4.0E-03	1090	1	0.96	1E-06	4.14E-06	1.1	10	0.96	70	0.85	5.3E-07	5.3E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
352	7.07617	4.6E-04	3.2E-03	1090	1	0.96	1E-06	3.40E-06	1.1	10	0.96	70	0.85	4.4E-07	4.4E-01	
353	5.90158	4.6E-04	2.7E-03	1090	1	0.96	1E-06	2.83E-06	1.1	10	0.96	70	0.85	3.6E-07	3.6E-01	
354	4.99146	4.6E-04	2.3E-03	1090	1	0.96	1E-06	2.40E-06	1.1	10	0.96	70	0.85	3.1E-07	3.1E-01	
355	4.28147	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.05E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
356	3.49301	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.68E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
357	3.25845	4.6E-04	1.5E-03	1090	1	0.96	1E-06	1.56E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	
358	2.8918	4.6E-04	1.3E-03	1090	1	0.96	1E-06	1.39E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
359	2.58205	4.6E-04	1.2E-03	1090	1	0.96	1E-06	1.24E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
360	0.82003	4.6E-04	3.8E-04	1090	1	0.96	1E-06	3.93E-07	1.1	10	0.96	70	0.85	5.1E-08	5.1E-02	
361	0.77668	4.6E-04	3.6E-04	1090	1	0.96	1E-06	3.73E-07	1.1	10	0.96	70	0.85	4.8E-08	4.8E-02	
362	0.60644	4.6E-04	2.8E-04	1090	1	0.96	1E-06	2.91E-07	1.1	10	0.96	70	0.85	3.7E-08	3.7E-02	
363	0.57957	4.6E-04	2.7E-04	1090	1	0.96	1E-06	2.78E-07	1.1	10	0.96	70	0.85	3.6E-08	3.6E-02	
364	0.39703	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.91E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
365	0.38325	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.84E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
366	0.30916	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.48E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
367	0.29965	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.44E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
368	0.28967	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
369	0.22588	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.08E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
370	0.21955	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
371	0.21303	4.6E-04	9.8E-05	1090	1	0.96	1E-06	1.02E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
372	0.20642	4.6E-04	9.5E-05	1090	1	0.96	1E-06	9.90E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
373	0.20016	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.60E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
374	0.19497	4.6E-04	9.0E-05	1090	1	0.96	1E-06	9.36E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
375	0.1896	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.10E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
376	0.18417	4.6E-04	8.5E-05	1090	1	0.96	1E-06	8.84E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
377	0.17987	4.6E-04	8.3E-05	1090	1	0.96	1E-06	8.63E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
378	4.65465	4.6E-04	2.1E-03	1090	1	0.96	1E-06	2.23E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
379	5.45181	4.6E-04	2.5E-03	1090	1	0.96	1E-06	2.62E-06	1.1	10	0.96	70	0.85	3.4E-07	3.4E-01	
380	6.4725	4.6E-04	3.0E-03	1090	1	0.96	1E-06	3.11E-06	1.1	10	0.96	70	0.85	4.0E-07	4.0E-01	
381	7.7976	4.6E-04	3.6E-03	1090	1	0.96	1E-06	3.74E-06	1.1	10	0.96	70	0.85	4.8E-07	4.8E-01	
382	9.54266	4.6E-04	4.4E-03	1090	1	0.96	1E-06	4.58E-06	1.1	10	0.96	70	0.85	5.9E-07	5.9E-01	
383	11.85967	4.6E-04	5.4E-03	1090	1	0.96	1E-06	5.69E-06	1.1	10	0.96	70	0.85	7.3E-07	7.3E-01	
384	20.67767	4.6E-04	9.5E-03	1090	1	0.96	1E-06	9.92E-06	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
385	15.7051	4.6E-04	7.2E-03	1090	1	0.96	1E-06	7.54E-06	1.1	10	0.96	70	0.85	9.7E-07	9.7E-01	
386	12.04277	4.6E-04	5.5E-03	1090	1	0.96	1E-06	5.78E-06	1.1	10	0.96	70	0.85	7.4E-07	7.4E-01	
387	9.433	4.6E-04	4.3E-03	1090	1	0.96	1E-06	4.53E-06	1.1	10	0.96	70	0.85	5.8E-07	5.8E-01	
388	7.5909	4.6E-04	3.5E-03	1090	1	0.96	1E-06	3.64E-06	1.1	10	0.96	70	0.85	4.7E-07	4.7E-01	
389	6.24334	4.6E-04	2.9E-03	1090	1	0.96	1E-06	3.00E-06	1.1	10	0.96	70	0.85	3.9E-07	3.9E-01	
390	5.23551	4.6E-04	2.4E-03	1090	1	0.96	1E-06	2.51E-06	1.1	10	0.96	70	0.85	3.2E-07	3.2E-01	
391	4.46134	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.14E-06	1.1	10	0.96	70	0.85	2.8E-07	2.8E-01	
392	3.85329	4.6E-04	1.8E-03	1090	1	0.96	1E-06	1.85E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
393	3.36716	4.6E-04	1.5E-03	1090	1	0.96	1E-06	1.62E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
394	2.97404	4.6E-04	1.4E-03	1090	1	0.96	1E-06	1.43E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
395	2.64726	4.6E-04	1.2E-03	1090	1	0.96	1E-06	1.27E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
396	0.8258	4.6E-04	3.8E-04	1090	1	0.96	1E-06	3.96E-07	1.1	10	0.96	70	0.85	5.1E-08	5.1E-02	
397	0.78181	4.6E-04	3.6E-04	1090	1	0.96	1E-06	3.75E-07	1.1	10	0.96	70	0.85	4.8E-08	4.8E-02	
398	0.60943	4.6E-04	2.8E-04	1090	1	0.96	1E-06	2.92E-07	1.1	10	0.96	70	0.85	3.8E-08	3.8E-02	
399	0.5823	4.6E-04	2.7E-04	1090	1	0.96	1E-06	2.79E-07	1.1	10	0.96	70	0.85	3.6E-08	3.6E-02	
400	0.40024	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.92E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
401	0.38431	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.84E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
402	0.30975	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.49E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
403	0.30016	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.44E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
404	0.29018	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
405	0.22607	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.08E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
406	0.21879	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
407	0.2121	4.6E-04	9.7E-05	1090	1	0.96	1E-06	1.02E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
408	0.20652	4.6E-04	9.5E-05	1090	1	0.96	1E-06	9.91E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
409	0.20028	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.61E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
410	0.19432	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.32E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
411	0.18967	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.10E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
412	0.18422	4.6E-04	8.5E-05	1090	1	0.96	1E-06	8.84E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
413	0.17991	4.6E-04	8.3E-05	1090	1	0.96	1E-06	8.63E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
414	4.88004	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.34E-06	1.1	10	0.96	70	0.85	3.0E-07	3.0E-01	
415	5.77641	4.6E-04	2.7E-03	1090	1	0.96	1E-06	2.77E-06	1.1	10	0.96	70	0.85	3.6E-07	3.6E-01	
416	6.95567	4.6E-04	3.2E-03	1090	1	0.96	1E-06	3.34E-06	1.1	10	0.96	70	0.85	4.3E-07	4.3E-01	
417	8.54735	4.6E-04	3.9E-03	1090	1	0.96	1E-06	4.10E-06	1.1	10	0.96	70	0.85	5.3E-07	5.3E-01	
418	10.75591	4.6E-04	4.9E-03	1090	1	0.96	1E-06	5.16E-06	1.1	10	0.96	70	0.85	6.6E-07	6.6E-01	
419	13.9119	4.6E-04	6.4E-03	1090	1	0.96	1E-06	6.68E-06	1.1	10	0.96	70	0.85	8.6E-07	8.6E-01	
420	50.39874	4.6E-04	2.3E-02	1090	1	0.96	1E-06	2.42E-05	1.1	10	0.96	70	0.85	3.1E-06	3.1E+00	
421	37.21175	4.6E-04	1.7E-02	1090	1	0.96	1E-06	1.79E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
422	25.751	4.6E-04	1.2E-02	1090	1	0.96	1E-06	1.24E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
423	18.13782	4.6E-04	8.3E-03	1090	1	0.96	1E-06	8.70E-06	1.1	10	0.96	70	0.85	1.1E-06	1.1E+00	
424	13.32213	4.6E-04	6.1E-03	1090	1	0.96	1E-06	6.39E-06	1.1	10	0.96	70	0.85	8.2E-07	8.2E-01	
425	10.17377	4.6E-04	4.7E-03	1090	1	0.96	1E-06	4.88E-06	1.1	10	0.96	70	0.85	6.3E-07	6.3E-01	
426	8.06102	4.6E-04	3.7E-03	1090	1	0.96	1E-06	3.87E-06	1.1	10	0.96	70	0.85	5.0E-07	5.0E-01	
427	6.55537	4.6E-04	3.0E-03	1090	1	0.96	1E-06	3.15E-06	1.1	10	0.96	70	0.85	4.0E-07	4.0E-01	
428	5.45596	4.6E-04	2.5E-03	1090	1	0.96	1E-06	2.62E-06	1.1	10	0.96	70	0.85	3.4E-07	3.4E-01	
429	4.62081	4.6E-04	2.1E-03	1090	1	0.96	1E-06	2.22E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
430	3.97181	4.6E-04	1.8E-03	1090	1	0.96	1E-06	1.91E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
431	3.45763	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.66E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
432	3.04198	4.6E-04	1.4E-03	1090	1	0.96	1E-06	1.46E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
433	2.70153	4.6E-04	1.2E-03	1090	1	0.96	1E-06	1.30E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
434	0.83032	4.6E-04	3.8E-04	1090	1	0.96	1E-06	3.98E-07	1.1	10	0.96	70	0.85	5.1E-08	5.1E-02	
435	0.78585	4.6E-04	3.6E-04	1090	1	0.96	1E-06	3.77E-07	1.1	10	0.96	70	0.85	4.8E-08	4.8E-02	
436	0.64127	4.6E-04	2.9E-04	1090	1	0.96	1E-06	3.08E-07	1.1	10	0.96	70	0.85	4.0E-08	4.0E-02	
437	0.61176	4.6E-04	2.8E-04	1090	1	0.96	1E-06	2.94E-07	1.1	10	0.96	70	0.85	3.8E-08	3.8E-02	
438	0.58443	4.6E-04	2.7E-04	1090	1	0.96	1E-06	2.80E-07	1.1	10	0.96	70	0.85	3.6E-08	3.6E-02	
439	0.407	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.95E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
440	0.38511	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.85E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
441	0.31016	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.49E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
442	0.30005	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.44E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
443	0.29052	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
444	0.28097	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.35E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
445	0.27274	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.31E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
446	0.26401	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.27E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
447	0.2571	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.23E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
448	0.24751	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.19E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
449	0.24031	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.15E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
450	0.23308	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.12E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
451	0.2262	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.09E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
452	0.21889	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
453	0.2119	4.6E-04	9.7E-05	1090	1	0.96	1E-06	1.02E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
454	0.20559	4.6E-04	9.4E-05	1090	1	0.96	1E-06	9.86E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
455	0.20031	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.61E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
456	0.19429	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.32E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
457	0.18967	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.10E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
458	0.1842	4.6E-04	8.5E-05	1090	1	0.96	1E-06	8.84E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
459	0.17941	4.6E-04	8.2E-05	1090	1	0.96	1E-06	8.61E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
460	5.04719	4.6E-04	2.3E-03	1090	1	0.96	1E-06	2.42E-06	1.1	10	0.96	70	0.85	3.1E-07	3.1E-01	
461	6.0267	4.6E-04	2.8E-03	1090	1	0.96	1E-06	2.89E-06	1.1	10	0.96	70	0.85	3.7E-07	3.7E-01	
462	7.34	4.6E-04	3.4E-03	1090	1	0.96	1E-06	3.52E-06	1.1	10	0.96	70	0.85	4.5E-07	4.5E-01	
463	9.1656	4.6E-04	4.2E-03	1090	1	0.96	1E-06	4.40E-06	1.1	10	0.96	70	0.85	5.7E-07	5.7E-01	
464	11.80608	4.6E-04	5.4E-03	1090	1	0.96	1E-06	5.67E-06	1.1	10	0.96	70	0.85	7.3E-07	7.3E-01	
465	15.84495	4.6E-04	7.3E-03	1090	1	0.96	1E-06	7.60E-06	1.1	10	0.96	70	0.85	9.8E-07	9.8E-01	
466	93.27452	4.6E-04	4.3E-02	1090	1	0.96	1E-06	4.48E-05	1.1	10	0.96	70	0.85	5.8E-06	5.8E+00	
467	51.92531	4.6E-04	2.4E-02	1090	1	0.96	1E-06	2.49E-05	1.1	10	0.96	70	0.85	3.2E-06	3.2E+00	
468	30.99081	4.6E-04	1.4E-02	1090	1	0.96	1E-06	1.49E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
469	20.35874	4.6E-04	9.3E-03	1090	1	0.96	1E-06	9.77E-06	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
470	14.43183	4.6E-04	6.6E-03	1090	1	0.96	1E-06	6.92E-06	1.1	10	0.96	70	0.85	8.9E-07	8.9E-01	
471	10.80802	4.6E-04	5.0E-03	1090	1	0.96	1E-06	5.19E-06	1.1	10	0.96	70	0.85	6.7E-07	6.7E-01	
472	8.45272	4.6E-04	3.9E-03	1090	1	0.96	1E-06	4.06E-06	1.1	10	0.96	70	0.85	5.2E-07	5.2E-01	
473	6.81475	4.6E-04	3.1E-03	1090	1	0.96	1E-06	3.27E-06	1.1	10	0.96	70	0.85	4.2E-07	4.2E-01	
474	5.63183	4.6E-04	2.6E-03	1090	1	0.96	1E-06	2.70E-06	1.1	10	0.96	70	0.85	3.5E-07	3.5E-01	
475	4.74674	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.28E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
476	4.06396	4.6E-04	1.9E-03	1090	1	0.96	1E-06	1.95E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
477	3.52662	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.69E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
478	3.09474	4.6E-04	1.4E-03	1090	1	0.96	1E-06	1.48E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
479	2.74244	4.6E-04	1.3E-03	1090	1	0.96	1E-06	1.32E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
480	0.64308	4.6E-04	3.0E-04	1090	1	0.96	1E-06	3.09E-07	1.1	10	0.96	70	0.85	4.0E-08	4.0E-02	
481	0.61339	4.6E-04	2.8E-04	1090	1	0.96	1E-06	2.94E-07	1.1	10	0.96	70	0.85	3.8E-08	3.8E-02	
482	0.5859	4.6E-04	2.7E-04	1090	1	0.96	1E-06	2.81E-07	1.1	10	0.96	70	0.85	3.6E-08	3.6E-02	
483	0.3104	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.49E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
484	0.30026	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.44E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
485	0.29071	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
486	0.28113	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.35E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
487	0.27289	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.31E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
488	0.2642	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.27E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
489	0.25717	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.23E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
490	0.24771	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.19E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
491	0.24033	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.15E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
492	0.23248	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.12E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
493	0.2254	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.08E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
494	0.21889	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
495	0.21187	4.6E-04	9.7E-05	1090	1	0.96	1E-06	1.02E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
496	0.20529	4.6E-04	9.4E-05	1090	1	0.96	1E-06	9.85E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
497	0.20026	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.61E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
498	0.19422	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.32E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
499	0.1896	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.10E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
500	0.18411	4.6E-04	8.5E-05	1090	1	0.96	1E-06	8.83E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
501	0.17957	4.6E-04	8.2E-05	1090	1	0.96	1E-06	8.62E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
502	5.14418	4.6E-04	2.4E-03	1090	1	0.96	1E-06	2.47E-06	1.1	10	0.96	70	0.85	3.2E-07	3.2E-01	
503	6.17411	4.6E-04	2.8E-03	1090	1	0.96	1E-06	2.96E-06	1.1	10	0.96	70	0.85	3.8E-07	3.8E-01	
504	0.67623	4.6E-04	3.1E-04	1090	1	0.96	1E-06	3.24E-07	1.1	10	0.96	70	0.85	4.2E-08	4.2E-02	
505	0.64408	4.6E-04	3.0E-04	1090	1	0.96	1E-06	3.09E-07	1.1	10	0.96	70	0.85	4.0E-08	4.0E-02	
506	0.61429	4.6E-04	2.8E-04	1090	1	0.96	1E-06	2.95E-07	1.1	10	0.96	70	0.85	3.8E-08	3.8E-02	
507	0.58672	4.6E-04	2.7E-04	1090	1	0.96	1E-06	2.82E-07	1.1	10	0.96	70	0.85	3.6E-08	3.6E-02	
508	0.56106	4.6E-04	2.6E-04	1090	1	0.96	1E-06	2.69E-07	1.1	10	0.96	70	0.85	3.5E-08	3.5E-02	
509	0.29074	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.40E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
510	5.10292	4.6E-04	2.3E-03	1090	1	0.96	1E-06	2.45E-06	1.1	10	0.96	70	0.85	3.1E-07	3.1E-01	
511	6.20185	4.6E-04	2.8E-03	1090	1	0.96	1E-06	2.98E-06	1.1	10	0.96	70	0.85	3.8E-07	3.8E-01	
512	0.67644	4.6E-04	3.1E-04	1090	1	0.96	1E-06	3.25E-07	1.1	10	0.96	70	0.85	4.2E-08	4.2E-02	
513	0.64426	4.6E-04	3.0E-04	1090	1	0.96	1E-06	3.09E-07	1.1	10	0.96	70	0.85	4.0E-08	4.0E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
514	0.61445	4.6E-04	2.8E-04	1090	1	0.96	1E-06	2.95E-07	1.1	10	0.96	70	0.85	3.8E-08	3.8E-02	
515	0.58687	4.6E-04	2.7E-04	1090	1	0.96	1E-06	2.82E-07	1.1	10	0.96	70	0.85	3.6E-08	3.6E-02	
516	0.56121	4.6E-04	2.6E-04	1090	1	0.96	1E-06	2.69E-07	1.1	10	0.96	70	0.85	3.5E-08	3.5E-02	
517	0.2906	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
518	4.80074	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.30E-06	1.1	10	0.96	70	0.85	3.0E-07	3.0E-01	
519	6.10635	4.6E-04	2.8E-03	1090	1	0.96	1E-06	2.93E-06	1.1	10	0.96	70	0.85	3.8E-07	3.8E-01	
520	0.64361	4.6E-04	3.0E-04	1090	1	0.96	1E-06	3.09E-07	1.1	10	0.96	70	0.85	4.0E-08	4.0E-02	
521	0.61389	4.6E-04	2.8E-04	1090	1	0.96	1E-06	2.95E-07	1.1	10	0.96	70	0.85	3.8E-08	3.8E-02	
522	0.58634	4.6E-04	2.7E-04	1090	1	0.96	1E-06	2.81E-07	1.1	10	0.96	70	0.85	3.6E-08	3.6E-02	
523	0.56075	4.6E-04	2.6E-04	1090	1	0.96	1E-06	2.69E-07	1.1	10	0.96	70	0.85	3.5E-08	3.5E-02	
524	0.29031	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
525	4.45472	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.14E-06	1.1	10	0.96	70	0.85	2.7E-07	2.7E-01	
526	5.47601	4.6E-04	2.5E-03	1090	1	0.96	1E-06	2.63E-06	1.1	10	0.96	70	0.85	3.4E-07	3.4E-01	
527	0.28987	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
528	0.37887	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.82E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
529	0.35874	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.72E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
530	0.34622	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.66E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
531	0.32205	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.55E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
532	0.30937	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.48E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
533	0.29937	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.44E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
534	0.28929	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
535	0.3779	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.81E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
536	0.35781	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.72E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
537	0.34614	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.66E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
538	0.3212	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.54E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
539	0.30856	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.48E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
540	0.29862	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.43E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
541	0.28857	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.38E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
542	0.37667	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.81E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
543	0.35665	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.71E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
544	0.34507	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.66E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
545	0.32018	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.54E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
546	0.31013	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.49E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
547	0.29772	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.43E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
548	0.2879	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.38E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
549	0.3752	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.80E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
550	0.35727	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.71E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
551	0.34379	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.65E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
552	0.319	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.53E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
553	0.3091	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.48E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
554	0.29669	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.42E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
555	0.28782	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.38E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
556	0.537	4.6E-04	2.5E-04	1090	1	0.96	1E-06	2.58E-07	1.1	10	0.96	70	0.85	3.3E-08	3.3E-02	
557	0.51479	4.6E-04	2.4E-04	1090	1	0.96	1E-06	2.47E-07	1.1	10	0.96	70	0.85	3.2E-08	3.2E-02	
558	0.53588	4.6E-04	2.5E-04	1090	1	0.96	1E-06	2.57E-07	1.1	10	0.96	70	0.85	3.3E-08	3.3E-02	
559	0.5138	4.6E-04	2.4E-04	1090	1	0.96	1E-06	2.47E-07	1.1	10	0.96	70	0.85	3.2E-08	3.2E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
1	2.03E-04	5	4.06E-05	8.56E-03
2	1.93E-04	5	3.87E-05	
3	1.81E-04	5	3.62E-05	
4	1.75E-04	5	3.50E-05	
5	1.68E-04	5	3.35E-05	
6	1.62E-04	5	3.24E-05	
7	1.56E-04	5	3.13E-05	
8	1.51E-04	5	3.03E-05	
9	1.46E-04	5	2.92E-05	
10	1.42E-04	5	2.83E-05	
11	1.37E-04	5	2.74E-05	
12	1.33E-04	5	2.66E-05	
13	1.29E-04	5	2.58E-05	
14	1.25E-04	5	2.50E-05	
15	1.21E-04	5	2.43E-05	
16	1.18E-04	5	2.36E-05	
17	1.14E-04	5	2.28E-05	
18	1.11E-04	5	2.22E-05	
19	1.08E-04	5	2.16E-05	
20	1.05E-04	5	2.09E-05	
21	1.02E-04	5	2.03E-05	
22	9.90E-05	5	1.98E-05	
23	9.60E-05	5	1.92E-05	
24	9.34E-05	5	1.87E-05	
25	9.09E-05	5	1.82E-05	
26	8.84E-05	5	1.77E-05	
27	8.59E-05	5	1.72E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
28	8.36E-05	5	1.67E-05	
29	8.17E-05	5	1.63E-05	
30	7.95E-05	5	1.59E-05	
31	2.05E-04	5	4.11E-05	
32	1.95E-04	5	3.90E-05	
33	1.83E-04	5	3.65E-05	
34	1.76E-04	5	3.52E-05	
35	1.69E-04	5	3.38E-05	
36	1.63E-04	5	3.26E-05	
37	1.57E-04	5	3.15E-05	
38	1.52E-04	5	3.05E-05	
39	1.47E-04	5	2.94E-05	
40	1.43E-04	5	2.85E-05	
41	1.38E-04	5	2.76E-05	
42	1.34E-04	5	2.68E-05	
43	1.30E-04	5	2.60E-05	
44	1.26E-04	5	2.52E-05	
45	1.22E-04	5	2.44E-05	
46	1.19E-04	5	2.37E-05	
47	1.15E-04	5	2.30E-05	
48	1.12E-04	5	2.23E-05	
49	1.09E-04	5	2.17E-05	
50	1.05E-04	5	2.10E-05	
51	1.02E-04	5	2.05E-05	
52	9.94E-05	5	1.99E-05	
53	9.64E-05	5	1.93E-05	
54	9.38E-05	5	1.88E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
55	9.13E-05	5	1.83E-05	
56	8.87E-05	5	1.77E-05	
57	8.63E-05	5	1.73E-05	
58	8.42E-05	5	1.68E-05	
59	8.20E-05	5	1.64E-05	
60	7.98E-05	5	1.60E-05	
61	2.08E-04	5	4.15E-05	
62	1.97E-04	5	3.94E-05	
63	1.85E-04	5	3.70E-05	
64	1.78E-04	5	3.55E-05	
65	1.70E-04	5	3.41E-05	
66	1.64E-04	5	3.29E-05	
67	1.59E-04	5	3.18E-05	
68	1.53E-04	5	3.07E-05	
69	1.48E-04	5	2.97E-05	
70	1.43E-04	5	2.87E-05	
71	1.39E-04	5	2.78E-05	
72	1.35E-04	5	2.70E-05	
73	1.31E-04	5	2.61E-05	
74	1.27E-04	5	2.54E-05	
75	1.23E-04	5	2.46E-05	
76	1.19E-04	5	2.39E-05	
77	1.16E-04	5	2.32E-05	
78	1.12E-04	5	2.24E-05	
79	1.09E-04	5	2.18E-05	
80	1.06E-04	5	2.12E-05	
81	1.03E-04	5	2.06E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
82	9.99E-05	5	2.00E-05	
83	9.71E-05	5	1.94E-05	
84	9.45E-05	5	1.89E-05	
85	9.17E-05	5	1.83E-05	
86	8.91E-05	5	1.78E-05	
87	8.68E-05	5	1.74E-05	
88	8.46E-05	5	1.69E-05	
89	8.23E-05	5	1.65E-05	
90	8.01E-05	5	1.60E-05	
91	2.10E-04	5	4.20E-05	
92	1.99E-04	5	3.98E-05	
93	1.92E-04	5	3.84E-05	
94	1.79E-04	5	3.58E-05	
95	1.73E-04	5	3.45E-05	
96	1.65E-04	5	3.31E-05	
97	1.60E-04	5	3.20E-05	
98	1.54E-04	5	3.09E-05	
99	1.49E-04	5	2.99E-05	
100	1.44E-04	5	2.89E-05	
101	1.40E-04	5	2.80E-05	
102	1.36E-04	5	2.71E-05	
103	1.31E-04	5	2.63E-05	
104	1.27E-04	5	2.55E-05	
105	1.23E-04	5	2.47E-05	
106	1.20E-04	5	2.40E-05	
107	1.16E-04	5	2.33E-05	
108	1.13E-04	5	2.25E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
109	1.10E-04	5	2.20E-05	
110	1.06E-04	5	2.13E-05	
111	1.04E-04	5	2.07E-05	
112	1.00E-04	5	2.01E-05	
113	9.78E-05	5	1.96E-05	
114	9.49E-05	5	1.90E-05	
115	9.21E-05	5	1.84E-05	
116	8.96E-05	5	1.79E-05	
117	8.73E-05	5	1.75E-05	
118	8.49E-05	5	1.70E-05	
119	8.26E-05	5	1.65E-05	
120	8.07E-05	5	1.61E-05	
121	2.12E-04	5	4.24E-05	
122	2.02E-04	5	4.03E-05	
123	1.94E-04	5	3.87E-05	
124	1.81E-04	5	3.61E-05	
125	1.74E-04	5	3.48E-05	
126	1.68E-04	5	3.36E-05	
127	1.61E-04	5	3.22E-05	
128	1.56E-04	5	3.12E-05	
129	1.50E-04	5	3.01E-05	
130	1.46E-04	5	2.91E-05	
131	1.41E-04	5	2.81E-05	
132	1.36E-04	5	2.73E-05	
133	1.32E-04	5	2.64E-05	
134	1.28E-04	5	2.56E-05	
135	1.24E-04	5	2.48E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
136	1.21E-04	5	2.41E-05	
137	1.17E-04	5	2.34E-05	
138	1.14E-04	5	2.28E-05	
139	1.11E-04	5	2.21E-05	
140	1.07E-04	5	2.14E-05	
141	1.04E-04	5	2.08E-05	
142	1.01E-04	5	2.02E-05	
143	9.82E-05	5	1.96E-05	
144	9.52E-05	5	1.90E-05	
145	9.27E-05	5	1.85E-05	
146	9.02E-05	5	1.80E-05	
147	8.76E-05	5	1.75E-05	
148	8.52E-05	5	1.70E-05	
149	8.32E-05	5	1.66E-05	
150	8.10E-05	5	1.62E-05	
151	2.14E-04	5	4.28E-05	
152	2.06E-04	5	4.12E-05	
153	1.95E-04	5	3.90E-05	
154	1.88E-04	5	3.77E-05	
155	1.75E-04	5	3.50E-05	
156	1.69E-04	5	3.38E-05	
157	1.62E-04	5	3.24E-05	
158	1.57E-04	5	3.14E-05	
159	1.51E-04	5	3.02E-05	
160	1.46E-04	5	2.93E-05	
161	1.41E-04	5	2.83E-05	
162	1.37E-04	5	2.74E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
163	1.33E-04	5	2.65E-05	
164	1.29E-04	5	2.58E-05	
165	1.25E-04	5	2.50E-05	
166	1.21E-04	5	2.42E-05	
167	1.17E-04	5	2.35E-05	
168	1.14E-04	5	2.29E-05	
169	1.11E-04	5	2.22E-05	
170	1.08E-04	5	2.15E-05	
171	1.04E-04	5	2.09E-05	
172	1.02E-04	5	2.03E-05	
173	9.86E-05	5	1.97E-05	
174	9.58E-05	5	1.92E-05	
175	9.33E-05	5	1.87E-05	
176	9.05E-05	5	1.81E-05	
177	8.81E-05	5	1.76E-05	
178	8.59E-05	5	1.72E-05	
179	8.35E-05	5	1.67E-05	
180	8.12E-05	5	1.62E-05	
181	2.16E-04	5	4.32E-05	
182	2.08E-04	5	4.16E-05	
183	1.97E-04	5	3.94E-05	
184	1.90E-04	5	3.79E-05	
185	1.76E-04	5	3.53E-05	
186	1.70E-04	5	3.41E-05	
187	1.63E-04	5	3.26E-05	
188	1.58E-04	5	3.15E-05	
189	1.52E-04	5	3.04E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
190	1.47E-04	5	2.95E-05	
191	1.42E-04	5	2.84E-05	
192	1.38E-04	5	2.76E-05	
193	1.33E-04	5	2.67E-05	
194	1.29E-04	5	2.59E-05	
195	1.26E-04	5	2.51E-05	
196	1.22E-04	5	2.43E-05	
197	1.18E-04	5	2.37E-05	
198	1.15E-04	5	2.30E-05	
199	1.12E-04	5	2.23E-05	
200	1.08E-04	5	2.16E-05	
201	9.65E-05	5	1.93E-05	
202	9.36E-05	5	1.87E-05	
203	9.10E-05	5	1.82E-05	
204	8.87E-05	5	1.77E-05	
205	8.61E-05	5	1.72E-05	
206	8.37E-05	5	1.67E-05	
207	8.14E-05	5	1.63E-05	
208	2.18E-04	5	4.35E-05	
209	2.10E-04	5	4.19E-05	
210	1.99E-04	5	3.98E-05	
211	1.91E-04	5	3.82E-05	
212	1.77E-04	5	3.55E-05	
213	1.71E-04	5	3.43E-05	
214	1.64E-04	5	3.28E-05	
215	1.59E-04	5	3.17E-05	
216	1.53E-04	5	3.06E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
217	1.48E-04	5	2.96E-05	
218	1.43E-04	5	2.87E-05	
219	1.39E-04	5	2.77E-05	
220	1.34E-04	5	2.69E-05	
221	1.30E-04	5	2.61E-05	
222	1.26E-04	5	2.52E-05	
223	1.23E-04	5	2.45E-05	
224	1.19E-04	5	2.38E-05	
225	1.15E-04	5	2.31E-05	
226	1.12E-04	5	2.24E-05	
227	1.09E-04	5	2.17E-05	
228	9.68E-05	5	1.94E-05	
229	9.39E-05	5	1.88E-05	
230	9.16E-05	5	1.83E-05	
231	8.89E-05	5	1.78E-05	
232	8.64E-05	5	1.73E-05	
233	8.39E-05	5	1.68E-05	
234	8.19E-05	5	1.64E-05	
235	1.49E-03	5	2.97E-04	
236	1.64E-03	5	3.27E-04	
237	1.80E-03	5	3.61E-04	
238	1.99E-03	5	3.97E-04	
239	2.18E-03	5	4.37E-04	
240	2.39E-03	5	4.78E-04	
241	3.30E-03	5	6.60E-04	
242	3.11E-03	5	6.23E-04	
243	3.00E-03	5	5.99E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
244	2.83E-03	5	5.66E-04	
245	2.31E-03	5	4.61E-04	
246	2.05E-03	5	4.09E-04	
247	1.81E-03	5	3.62E-04	
248	1.61E-03	5	3.21E-04	
249	1.43E-03	5	2.86E-04	
250	1.28E-03	5	2.56E-04	
251	1.15E-03	5	2.30E-04	
252	1.04E-03	5	2.09E-04	
253	1.72E-04	5	3.44E-05	
254	1.65E-04	5	3.30E-05	
255	1.23E-04	5	2.46E-05	
256	1.19E-04	5	2.39E-05	
257	1.16E-04	5	2.32E-05	
258	1.12E-04	5	2.25E-05	
259	1.09E-04	5	2.18E-05	
260	1.06E-04	5	2.12E-05	
261	1.03E-04	5	2.06E-05	
262	1.00E-04	5	2.00E-05	
263	1.61E-03	5	3.23E-04	
264	1.80E-03	5	3.60E-04	
265	2.01E-03	5	4.01E-04	
266	2.24E-03	5	4.48E-04	
267	2.50E-03	5	4.99E-04	
268	2.78E-03	5	5.55E-04	
269	3.82E-03	5	7.65E-04	
270	3.64E-03	5	7.29E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
271	3.18E-03	5	6.37E-04	
272	2.60E-03	5	5.20E-04	
273	2.21E-03	5	4.42E-04	
274	1.93E-03	5	3.86E-04	
275	1.70E-03	5	3.41E-04	
276	1.50E-03	5	3.00E-04	
277	1.34E-03	5	2.67E-04	
278	1.20E-03	5	2.39E-04	
279	1.08E-03	5	2.16E-04	
280	1.73E-04	5	3.46E-05	
281	1.67E-04	5	3.33E-05	
282	1.24E-04	5	2.47E-05	
283	1.20E-04	5	2.40E-05	
284	1.16E-04	5	2.33E-05	
285	1.13E-04	5	2.26E-05	
286	1.10E-04	5	2.19E-05	
287	1.06E-04	5	2.13E-05	
288	1.03E-04	5	2.06E-05	
289	1.00E-04	5	2.01E-05	
290	1.75E-03	5	3.50E-04	
291	1.97E-03	5	3.94E-04	
292	2.23E-03	5	4.46E-04	
293	2.53E-03	5	5.06E-04	
294	2.87E-03	5	5.75E-04	
295	3.26E-03	5	6.51E-04	
296	4.34E-03	5	8.68E-04	
297	4.15E-03	5	8.29E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
298	3.47E-03	5	6.95E-04	
299	2.77E-03	5	5.54E-04	
300	2.38E-03	5	4.75E-04	
301	2.05E-03	5	4.10E-04	
302	1.76E-03	5	3.51E-04	
303	1.57E-03	5	3.14E-04	
304	1.39E-03	5	2.78E-04	
305	1.24E-03	5	2.49E-04	
306	1.12E-03	5	2.23E-04	
307	2.75E-04	5	5.50E-05	
308	2.63E-04	5	5.26E-05	
309	1.74E-04	5	3.48E-05	
310	1.68E-04	5	3.36E-05	
311	1.24E-04	5	2.48E-05	
312	1.20E-04	5	2.41E-05	
313	1.17E-04	5	2.33E-05	
314	1.13E-04	5	2.27E-05	
315	1.10E-04	5	2.20E-05	
316	1.07E-04	5	2.13E-05	
317	1.04E-04	5	2.07E-05	
318	1.01E-04	5	2.01E-05	
319	1.88E-03	5	3.77E-04	
320	2.15E-03	5	4.30E-04	
321	2.47E-03	5	4.95E-04	
322	2.86E-03	5	5.72E-04	
323	3.32E-03	5	6.63E-04	
324	3.85E-03	5	7.71E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
325	5.16E-03	5	1.03E-03	
326	4.32E-03	5	8.64E-04	
327	3.65E-03	5	7.30E-04	
328	3.01E-03	5	6.01E-04	
329	2.54E-03	5	5.09E-04	
330	2.17E-03	5	4.34E-04	
331	1.88E-03	5	3.75E-04	
332	1.63E-03	5	3.26E-04	
333	1.45E-03	5	2.89E-04	
334	1.29E-03	5	2.57E-04	
335	1.15E-03	5	2.30E-04	
336	2.77E-04	5	5.53E-05	
337	2.65E-04	5	5.29E-05	
338	1.82E-04	5	3.63E-05	
339	1.69E-04	5	3.38E-05	
340	1.04E-04	5	2.08E-05	
341	1.01E-04	5	2.02E-05	
342	2.02E-03	5	4.03E-04	
343	2.33E-03	5	4.66E-04	
344	2.72E-03	5	5.45E-04	
345	3.21E-03	5	6.43E-04	
346	3.83E-03	5	7.65E-04	
347	4.58E-03	5	9.17E-04	
348	7.54E-03	5	1.51E-03	
349	6.13E-03	5	1.23E-03	
350	4.92E-03	5	9.84E-04	
351	3.97E-03	5	7.93E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
352	3.25E-03	5	6.50E-04	
353	2.71E-03	5	5.42E-04	
354	2.29E-03	5	4.58E-04	
355	1.97E-03	5	3.93E-04	
356	1.60E-03	5	3.21E-04	
357	1.50E-03	5	2.99E-04	
358	1.33E-03	5	2.66E-04	
359	1.19E-03	5	2.37E-04	
360	3.76E-04	5	7.53E-05	
361	3.57E-04	5	7.13E-05	
362	2.78E-04	5	5.57E-05	
363	2.66E-04	5	5.32E-05	
364	1.82E-04	5	3.65E-05	
365	1.76E-04	5	3.52E-05	
366	1.42E-04	5	2.84E-05	
367	1.38E-04	5	2.75E-05	
368	1.33E-04	5	2.66E-05	
369	1.04E-04	5	2.07E-05	
370	1.01E-04	5	2.02E-05	
371	9.78E-05	5	1.96E-05	
372	9.48E-05	5	1.90E-05	
373	9.19E-05	5	1.84E-05	
374	8.95E-05	5	1.79E-05	
375	8.70E-05	5	1.74E-05	
376	8.45E-05	5	1.69E-05	
377	8.26E-05	5	1.65E-05	
378	2.14E-03	5	4.27E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
379	2.50E-03	5	5.01E-04	
380	2.97E-03	5	5.94E-04	
381	3.58E-03	5	7.16E-04	
382	4.38E-03	5	8.76E-04	
383	5.44E-03	5	1.09E-03	
384	9.49E-03	5	1.90E-03	
385	7.21E-03	5	1.44E-03	
386	5.53E-03	5	1.11E-03	
387	4.33E-03	5	8.66E-04	
388	3.48E-03	5	6.97E-04	
389	2.87E-03	5	5.73E-04	
390	2.40E-03	5	4.81E-04	
391	2.05E-03	5	4.10E-04	
392	1.77E-03	5	3.54E-04	
393	1.55E-03	5	3.09E-04	
394	1.37E-03	5	2.73E-04	
395	1.22E-03	5	2.43E-04	
396	3.79E-04	5	7.58E-05	
397	3.59E-04	5	7.18E-05	
398	2.80E-04	5	5.60E-05	
399	2.67E-04	5	5.35E-05	
400	1.84E-04	5	3.67E-05	
401	1.76E-04	5	3.53E-05	
402	1.42E-04	5	2.84E-05	
403	1.38E-04	5	2.76E-05	
404	1.33E-04	5	2.66E-05	
405	1.04E-04	5	2.08E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
406	1.00E-04	5	2.01E-05	
407	9.74E-05	5	1.95E-05	
408	9.48E-05	5	1.90E-05	
409	9.19E-05	5	1.84E-05	
410	8.92E-05	5	1.78E-05	
411	8.71E-05	5	1.74E-05	
412	8.46E-05	5	1.69E-05	
413	8.26E-05	5	1.65E-05	
414	2.24E-03	5	4.48E-04	
415	2.65E-03	5	5.30E-04	
416	3.19E-03	5	6.39E-04	
417	3.92E-03	5	7.85E-04	
418	4.94E-03	5	9.88E-04	
419	6.39E-03	5	1.28E-03	
420	2.31E-02	5	4.63E-03	
421	1.71E-02	5	3.42E-03	
422	1.18E-02	5	2.36E-03	
423	8.33E-03	5	1.67E-03	
424	6.12E-03	5	1.22E-03	
425	4.67E-03	5	9.34E-04	
426	3.70E-03	5	7.40E-04	
427	3.01E-03	5	6.02E-04	
428	2.50E-03	5	5.01E-04	
429	2.12E-03	5	4.24E-04	
430	1.82E-03	5	3.65E-04	
431	1.59E-03	5	3.17E-04	
432	1.40E-03	5	2.79E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
433	1.24E-03	5	2.48E-04	
434	3.81E-04	5	7.62E-05	
435	3.61E-04	5	7.22E-05	
436	2.94E-04	5	5.89E-05	
437	2.81E-04	5	5.62E-05	
438	2.68E-04	5	5.37E-05	
439	1.87E-04	5	3.74E-05	
440	1.77E-04	5	3.54E-05	
441	1.42E-04	5	2.85E-05	
442	1.38E-04	5	2.75E-05	
443	1.33E-04	5	2.67E-05	
444	1.29E-04	5	2.58E-05	
445	1.25E-04	5	2.50E-05	
446	1.21E-04	5	2.42E-05	
447	1.18E-04	5	2.36E-05	
448	1.14E-04	5	2.27E-05	
449	1.10E-04	5	2.21E-05	
450	1.07E-04	5	2.14E-05	
451	1.04E-04	5	2.08E-05	
452	1.00E-04	5	2.01E-05	
453	9.73E-05	5	1.95E-05	
454	9.44E-05	5	1.89E-05	
455	9.20E-05	5	1.84E-05	
456	8.92E-05	5	1.78E-05	
457	8.71E-05	5	1.74E-05	
458	8.46E-05	5	1.69E-05	
459	8.24E-05	5	1.65E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
460	2.32E-03	5	4.63E-04	
461	2.77E-03	5	5.53E-04	
462	3.37E-03	5	6.74E-04	
463	4.21E-03	5	8.42E-04	
464	5.42E-03	5	1.08E-03	
465	7.27E-03	5	1.45E-03	
466	4.28E-02	5	8.56E-03	
467	2.38E-02	5	4.77E-03	
468	1.42E-02	5	2.85E-03	
469	9.35E-03	5	1.87E-03	
470	6.63E-03	5	1.33E-03	
471	4.96E-03	5	9.92E-04	
472	3.88E-03	5	7.76E-04	
473	3.13E-03	5	6.26E-04	
474	2.59E-03	5	5.17E-04	
475	2.18E-03	5	4.36E-04	
476	1.87E-03	5	3.73E-04	
477	1.62E-03	5	3.24E-04	
478	1.42E-03	5	2.84E-04	
479	1.26E-03	5	2.52E-04	
480	2.95E-04	5	5.90E-05	
481	2.82E-04	5	5.63E-05	
482	2.69E-04	5	5.38E-05	
483	1.43E-04	5	2.85E-05	
484	1.38E-04	5	2.76E-05	
485	1.33E-04	5	2.67E-05	
486	1.29E-04	5	2.58E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
487	1.25E-04	5	2.51E-05	
488	1.21E-04	5	2.43E-05	
489	1.18E-04	5	2.36E-05	
490	1.14E-04	5	2.27E-05	
491	1.10E-04	5	2.21E-05	
492	1.07E-04	5	2.13E-05	
493	1.03E-04	5	2.07E-05	
494	1.00E-04	5	2.01E-05	
495	9.73E-05	5	1.95E-05	
496	9.42E-05	5	1.88E-05	
497	9.19E-05	5	1.84E-05	
498	8.92E-05	5	1.78E-05	
499	8.70E-05	5	1.74E-05	
500	8.45E-05	5	1.69E-05	
501	8.24E-05	5	1.65E-05	
502	2.36E-03	5	4.72E-04	
503	2.83E-03	5	5.67E-04	
504	3.10E-04	5	6.21E-05	
505	2.96E-04	5	5.91E-05	
506	2.82E-04	5	5.64E-05	
507	2.69E-04	5	5.39E-05	
508	2.58E-04	5	5.15E-05	
509	1.33E-04	5	2.67E-05	
510	2.34E-03	5	4.69E-04	
511	2.85E-03	5	5.69E-04	
512	3.11E-04	5	6.21E-05	
513	2.96E-04	5	5.92E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
514	2.82E-04	5	5.64E-05	
515	2.69E-04	5	5.39E-05	
516	2.58E-04	5	5.15E-05	
517	1.33E-04	5	2.67E-05	
518	2.20E-03	5	4.41E-04	
519	2.80E-03	5	5.61E-04	
520	2.95E-04	5	5.91E-05	
521	2.82E-04	5	5.64E-05	
522	2.69E-04	5	5.38E-05	
523	2.57E-04	5	5.15E-05	
524	1.33E-04	5	2.67E-05	
525	2.05E-03	5	4.09E-04	
526	2.51E-03	5	5.03E-04	
527	1.33E-04	5	2.66E-05	
528	1.74E-04	5	3.48E-05	
529	1.65E-04	5	3.29E-05	
530	1.59E-04	5	3.18E-05	
531	1.48E-04	5	2.96E-05	
532	1.42E-04	5	2.84E-05	
533	1.37E-04	5	2.75E-05	
534	1.33E-04	5	2.66E-05	
535	1.73E-04	5	3.47E-05	
536	1.64E-04	5	3.29E-05	
537	1.59E-04	5	3.18E-05	
538	1.47E-04	5	2.95E-05	
539	1.42E-04	5	2.83E-05	
540	1.37E-04	5	2.74E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 1

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
541	1.32E-04	5	2.65E-05	
542	1.73E-04	5	3.46E-05	
543	1.64E-04	5	3.27E-05	
544	1.58E-04	5	3.17E-05	
545	1.47E-04	5	2.94E-05	
546	1.42E-04	5	2.85E-05	
547	1.37E-04	5	2.73E-05	
548	1.32E-04	5	2.64E-05	
549	1.72E-04	5	3.44E-05	
550	1.64E-04	5	3.28E-05	
551	1.58E-04	5	3.16E-05	
552	1.46E-04	5	2.93E-05	
553	1.42E-04	5	2.84E-05	
554	1.36E-04	5	2.72E-05	
555	1.32E-04	5	2.64E-05	
556	2.47E-04	5	4.93E-05	
557	2.36E-04	5	4.73E-05	
558	2.46E-04	5	4.92E-05	
559	2.36E-04	5	4.72E-05	

Mitigated Risk from Facility Location 2

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
1	0.4831	4.6E-04	2.2E-04	1090	1	0.96	1E-06	2.32E-07	1.1	10	0.96	70	0.85	3.0E-08	3.0E-02	**7.46**
2	0.45301	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.17E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
3	0.43046	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.07E-07	1.1	10	0.96	70	0.85	2.7E-08	2.7E-02	
4	0.4148	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.99E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
5	0.39709	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.91E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
6	0.38316	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.84E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
7	0.36905	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.77E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
8	0.35663	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.71E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
9	0.34394	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.65E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
10	0.33285	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.60E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
11	0.32143	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.54E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
12	0.31194	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.50E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
13	0.30197	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.45E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
14	0.29204	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.40E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
15	0.28353	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.36E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
16	0.27449	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.32E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
17	0.26554	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.27E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
18	0.25798	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.24E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
19	0.25079	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.20E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
20	0.24277	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.16E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
21	0.23513	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.13E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
22	0.22901	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.10E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
23	0.22195	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.07E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
24	0.21576	4.6E-04	9.9E-05	1090	1	0.96	1E-06	1.04E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
25	0.20984	4.6E-04	9.6E-05	1090	1	0.96	1E-06	1.01E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
26	0.20375	4.6E-04	9.4E-05	1090	1	0.96	1E-06	9.78E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
27	0.19793	4.6E-04	9.1E-05	1090	1	0.96	1E-06	9.50E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
28	0.1924	4.6E-04	8.8E-05	1090	1	0.96	1E-06	9.23E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
29	0.18785	4.6E-04	8.6E-05	1090	1	0.96	1E-06	9.01E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
30	0.18274	4.6E-04	8.4E-05	1090	1	0.96	1E-06	8.77E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
31	0.48906	4.6E-04	2.2E-04	1090	1	0.96	1E-06	2.35E-07	1.1	10	0.96	70	0.85	3.0E-08	3.0E-02	
32	0.45754	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.20E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
33	0.43465	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.09E-07	1.1	10	0.96	70	0.85	2.7E-08	2.7E-02	
34	0.41835	4.6E-04	1.9E-04	1090	1	0.96	1E-06	2.01E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
35	0.40023	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.92E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
36	0.38615	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.85E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
37	0.37177	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.78E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
38	0.35922	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.72E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
39	0.34651	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.66E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
40	0.33508	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.61E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
41	0.3235	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.55E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
42	0.31432	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.51E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
43	0.30383	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.46E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
44	0.29471	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.41E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
45	0.28517	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.37E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
46	0.27667	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.33E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
47	0.26765	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.28E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
48	0.25968	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.25E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
49	0.25199	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.21E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
50	0.24397	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.17E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
51	0.23718	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.14E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
52	0.23008	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.10E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
53	0.22296	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.07E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
54	0.21675	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.04E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
55	0.21081	4.6E-04	9.7E-05	1090	1	0.96	1E-06	1.01E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
56	0.2046	4.6E-04	9.4E-05	1090	1	0.96	1E-06	9.82E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
57	0.19873	4.6E-04	9.1E-05	1090	1	0.96	1E-06	9.54E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
58	0.19374	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.30E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
59	0.18858	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.05E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
60	0.18343	4.6E-04	8.4E-05	1090	1	0.96	1E-06	8.80E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
61	0.49492	4.6E-04	2.3E-04	1090	1	0.96	1E-06	2.37E-07	1.1	10	0.96	70	0.85	3.1E-08	3.1E-02	
62	0.462	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.22E-07	1.1	10	0.96	70	0.85	2.9E-08	2.9E-02	
63	0.43995	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.11E-07	1.1	10	0.96	70	0.85	2.7E-08	2.7E-02	
64	0.42186	4.6E-04	1.9E-04	1090	1	0.96	1E-06	2.02E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
65	0.40392	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.94E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
66	0.38908	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.87E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
67	0.37525	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.80E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
68	0.36176	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.74E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
69	0.34973	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.68E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
70	0.3373	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.62E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
71	0.32652	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.57E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
72	0.3163	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.52E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
73	0.30567	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.47E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
74	0.29646	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.42E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
75	0.28681	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.38E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
76	0.2785	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.34E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
77	0.26967	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.29E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
78	0.26086	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.25E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
79	0.25349	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.22E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
80	0.24535	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.18E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
81	0.23872	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.15E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
82	0.23119	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.11E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
83	0.22456	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.08E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
84	0.21827	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
85	0.21171	4.6E-04	9.7E-05	1090	1	0.96	1E-06	1.02E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
86	0.20544	4.6E-04	9.4E-05	1090	1	0.96	1E-06	9.86E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
87	0.19996	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.59E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
88	0.19476	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.35E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
89	0.1893	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.08E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
90	0.18411	4.6E-04	8.5E-05	1090	1	0.96	1E-06	8.83E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
91	0.50062	4.6E-04	2.3E-04	1090	1	0.96	1E-06	2.40E-07	1.1	10	0.96	70	0.85	3.1E-08	3.1E-02	
92	0.46638	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.24E-07	1.1	10	0.96	70	0.85	2.9E-08	2.9E-02	
93	0.44874	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.15E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
94	0.42533	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.04E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
95	0.40987	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.97E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
96	0.39197	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.88E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
97	0.37831	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.82E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
98	0.36445	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.75E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
99	0.35209	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.69E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
100	0.33948	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.63E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
101	0.32859	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.58E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
102	0.31825	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.53E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
103	0.30792	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.48E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
104	0.29818	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.43E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
105	0.28845	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.38E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
106	0.28003	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.34E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
107	0.27103	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.30E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
108	0.26196	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.26E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
109	0.25545	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.23E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
110	0.24686	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.18E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
111	0.23984	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.15E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
112	0.23227	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.11E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
113	0.22622	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.09E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
114	0.2192	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
115	0.21258	4.6E-04	9.8E-05	1090	1	0.96	1E-06	1.02E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
116	0.20674	4.6E-04	9.5E-05	1090	1	0.96	1E-06	9.92E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
117	0.20125	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.66E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
118	0.1955	4.6E-04	9.0E-05	1090	1	0.96	1E-06	9.38E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
119	0.18999	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.12E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
120	0.18555	4.6E-04	8.5E-05	1090	1	0.96	1E-06	8.90E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
121	0.50614	4.6E-04	2.3E-04	1090	1	0.96	1E-06	2.43E-07	1.1	10	0.96	70	0.85	3.1E-08	3.1E-02	
122	0.47286	4.6E-04	2.2E-04	1090	1	0.96	1E-06	2.27E-07	1.1	10	0.96	70	0.85	2.9E-08	2.9E-02	
123	0.45271	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.17E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
124	0.43016	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.06E-07	1.1	10	0.96	70	0.85	2.7E-08	2.7E-02	
125	0.41304	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.98E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
126	0.39722	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.91E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
127	0.38097	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.83E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
128	0.3679	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.77E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
129	0.3544	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.70E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
130	0.34274	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.64E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
131	0.33061	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.59E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
132	0.32015	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.54E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
133	0.30927	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.48E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
134	0.2992	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.44E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
135	0.28999	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
136	0.28152	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.35E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
137	0.27246	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.31E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
138	0.26487	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.27E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
139	0.2571	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.23E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
140	0.24877	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.19E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
141	0.24093	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.16E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
142	0.23429	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.12E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
143	0.22718	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.09E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
144	0.22009	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.06E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
145	0.21394	4.6E-04	9.8E-05	1090	1	0.96	1E-06	1.03E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
146	0.20813	4.6E-04	9.6E-05	1090	1	0.96	1E-06	9.99E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
147	0.202	4.6E-04	9.3E-05	1090	1	0.96	1E-06	9.69E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
148	0.19623	4.6E-04	9.0E-05	1090	1	0.96	1E-06	9.42E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
149	0.19153	4.6E-04	8.8E-05	1090	1	0.96	1E-06	9.19E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
150	0.18621	4.6E-04	8.5E-05	1090	1	0.96	1E-06	8.94E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
151	0.51146	4.6E-04	2.3E-04	1090	1	0.96	1E-06	2.45E-07	1.1	10	0.96	70	0.85	3.2E-08	3.2E-02	
152	0.49151	4.6E-04	2.3E-04	1090	1	0.96	1E-06	2.36E-07	1.1	10	0.96	70	0.85	3.0E-08	3.0E-02	
153	0.45656	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.19E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
154	0.43941	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.11E-07	1.1	10	0.96	70	0.85	2.7E-08	2.7E-02	
155	0.41613	4.6E-04	1.9E-04	1090	1	0.96	1E-06	2.00E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
156	0.40114	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.92E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
157	0.38356	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.84E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
158	0.37033	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.78E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
159	0.35665	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.71E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
160	0.34485	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.65E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
161	0.33257	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.60E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
162	0.322	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.55E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
163	0.311	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.49E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
164	0.30149	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.45E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
165	0.29191	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.40E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
166	0.28299	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.36E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
167	0.27389	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.31E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
168	0.26618	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.28E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
169	0.25823	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.24E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
170	0.25003	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.20E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
171	0.24197	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.16E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
172	0.23556	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.13E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
173	0.2281	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.09E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
174	0.22153	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.06E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
175	0.21537	4.6E-04	9.9E-05	1090	1	0.96	1E-06	1.03E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
176	0.20889	4.6E-04	9.6E-05	1090	1	0.96	1E-06	1.00E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
177	0.20301	4.6E-04	9.3E-05	1090	1	0.96	1E-06	9.74E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
178	0.19783	4.6E-04	9.1E-05	1090	1	0.96	1E-06	9.49E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
179	0.19219	4.6E-04	8.8E-05	1090	1	0.96	1E-06	9.22E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
180	0.1868	4.6E-04	8.6E-05	1090	1	0.96	1E-06	8.96E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
181	0.51653	4.6E-04	2.4E-04	1090	1	0.96	1E-06	2.48E-07	1.1	10	0.96	70	0.85	3.2E-08	3.2E-02	
182	0.49617	4.6E-04	2.3E-04	1090	1	0.96	1E-06	2.38E-07	1.1	10	0.96	70	0.85	3.1E-08	3.1E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
183	0.4603	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.21E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
184	0.44284	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.12E-07	1.1	10	0.96	70	0.85	2.7E-08	2.7E-02	
185	0.4191	4.6E-04	1.9E-04	1090	1	0.96	1E-06	2.01E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
186	0.40391	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.94E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
187	0.38632	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.85E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
188	0.37267	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.79E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
189	0.35882	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.72E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
190	0.34688	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.66E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
191	0.33446	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.60E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
192	0.32377	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.55E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
193	0.31294	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.50E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
194	0.30304	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.45E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
195	0.29391	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.41E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
196	0.28434	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.36E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
197	0.27616	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.33E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
198	0.26743	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.28E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
199	0.25933	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.24E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
200	0.25104	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.20E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
201	0.22307	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.07E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
202	0.21613	4.6E-04	9.9E-05	1090	1	0.96	1E-06	1.04E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
203	0.2099	4.6E-04	9.6E-05	1090	1	0.96	1E-06	1.01E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
204	0.20445	4.6E-04	9.4E-05	1090	1	0.96	1E-06	9.81E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
205	0.19845	4.6E-04	9.1E-05	1090	1	0.96	1E-06	9.52E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
206	0.19277	4.6E-04	8.8E-05	1090	1	0.96	1E-06	9.25E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
207	0.18734	4.6E-04	8.6E-05	1090	1	0.96	1E-06	8.99E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
208	0.52131	4.6E-04	2.4E-04	1090	1	0.96	1E-06	2.50E-07	1.1	10	0.96	70	0.85	3.2E-08	3.2E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
209	0.50057	4.6E-04	2.3E-04	1090	1	0.96	1E-06	2.40E-07	1.1	10	0.96	70	0.85	3.1E-08	3.1E-02	
210	0.4657	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.23E-07	1.1	10	0.96	70	0.85	2.9E-08	2.9E-02	
211	0.44609	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.14E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
212	0.42194	4.6E-04	1.9E-04	1090	1	0.96	1E-06	2.02E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
213	0.40651	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.95E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
214	0.38845	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.86E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
215	0.37489	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.80E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
216	0.36087	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.73E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
217	0.3488	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.67E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
218	0.33708	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.62E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
219	0.32548	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.56E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
220	0.3152	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.51E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
221	0.30518	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.46E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
222	0.29529	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.42E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
223	0.28654	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.37E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
224	0.27735	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.33E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
225	0.26858	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.29E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
226	0.2604	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.25E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
227	0.25209	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.21E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
228	0.22383	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.07E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
229	0.21683	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.04E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
230	0.2114	4.6E-04	9.7E-05	1090	1	0.96	1E-06	1.01E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
231	0.20506	4.6E-04	9.4E-05	1090	1	0.96	1E-06	9.84E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
232	0.19901	4.6E-04	9.1E-05	1090	1	0.96	1E-06	9.55E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
233	0.19329	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.27E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
234	0.18847	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.04E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
235	2.56866	4.6E-04	1.2E-03	1090	1	0.96	1E-06	1.23E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
236	2.81813	4.6E-04	1.3E-03	1090	1	0.96	1E-06	1.35E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
237	3.09827	4.6E-04	1.4E-03	1090	1	0.96	1E-06	1.49E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
238	3.41074	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.64E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
239	3.75721	4.6E-04	1.7E-03	1090	1	0.96	1E-06	1.80E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
240	4.13749	4.6E-04	1.9E-03	1090	1	0.96	1E-06	1.99E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
241	7.31075	4.6E-04	3.4E-03	1090	1	0.96	1E-06	3.51E-06	1.1	10	0.96	70	0.85	4.5E-07	4.5E-01	
242	7.41114	4.6E-04	3.4E-03	1090	1	0.96	1E-06	3.56E-06	1.1	10	0.96	70	0.85	4.6E-07	4.6E-01	
243	7.92124	4.6E-04	3.6E-03	1090	1	0.96	1E-06	3.80E-06	1.1	10	0.96	70	0.85	4.9E-07	4.9E-01	
244	7.75508	4.6E-04	3.6E-03	1090	1	0.96	1E-06	3.72E-06	1.1	10	0.96	70	0.85	4.8E-07	4.8E-01	
245	6.47496	4.6E-04	3.0E-03	1090	1	0.96	1E-06	3.11E-06	1.1	10	0.96	70	0.85	4.0E-07	4.0E-01	
246	5.90261	4.6E-04	2.7E-03	1090	1	0.96	1E-06	2.83E-06	1.1	10	0.96	70	0.85	3.6E-07	3.6E-01	
247	5.28843	4.6E-04	2.4E-03	1090	1	0.96	1E-06	2.54E-06	1.1	10	0.96	70	0.85	3.3E-07	3.3E-01	
248	4.69599	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.25E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
249	4.1559	4.6E-04	1.9E-03	1090	1	0.96	1E-06	1.99E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
250	3.68202	4.6E-04	1.7E-03	1090	1	0.96	1E-06	1.77E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
251	3.27193	4.6E-04	1.5E-03	1090	1	0.96	1E-06	1.57E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	
252	2.92166	4.6E-04	1.3E-03	1090	1	0.96	1E-06	1.40E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
253	0.40902	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.96E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
254	0.39068	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.87E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
255	0.28772	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.38E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
256	0.27842	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.34E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
257	0.27032	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.30E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
258	0.26183	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.26E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
259	0.25329	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.22E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
260	0.24624	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.18E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
261	0.23825	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.14E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
262	0.23192	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.11E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
263	2.73	4.6E-04	1.3E-03	1090	1	0.96	1E-06	1.31E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
264	3.01923	4.6E-04	1.4E-03	1090	1	0.96	1E-06	1.45E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
265	3.34983	4.6E-04	1.5E-03	1090	1	0.96	1E-06	1.61E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
266	3.72662	4.6E-04	1.7E-03	1090	1	0.96	1E-06	1.79E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
267	4.15415	4.6E-04	1.9E-03	1090	1	0.96	1E-06	1.99E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
268	4.63543	4.6E-04	2.1E-03	1090	1	0.96	1E-06	2.22E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
269	9.82217	4.6E-04	4.5E-03	1090	1	0.96	1E-06	4.71E-06	1.1	10	0.96	70	0.85	6.1E-07	6.1E-01	
270	9.88581	4.6E-04	4.5E-03	1090	1	0.96	1E-06	4.74E-06	1.1	10	0.96	70	0.85	6.1E-07	6.1E-01	
271	9.44404	4.6E-04	4.3E-03	1090	1	0.96	1E-06	4.53E-06	1.1	10	0.96	70	0.85	5.8E-07	5.8E-01	
272	8.10179	4.6E-04	3.7E-03	1090	1	0.96	1E-06	3.89E-06	1.1	10	0.96	70	0.85	5.0E-07	5.0E-01	
273	6.68227	4.6E-04	3.1E-03	1090	1	0.96	1E-06	3.21E-06	1.1	10	0.96	70	0.85	4.1E-07	4.1E-01	
274	5.85589	4.6E-04	2.7E-03	1090	1	0.96	1E-06	2.81E-06	1.1	10	0.96	70	0.85	3.6E-07	3.6E-01	
275	5.24712	4.6E-04	2.4E-03	1090	1	0.96	1E-06	2.52E-06	1.1	10	0.96	70	0.85	3.2E-07	3.2E-01	
276	4.45294	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.14E-06	1.1	10	0.96	70	0.85	2.7E-07	2.7E-01	
277	3.90525	4.6E-04	1.8E-03	1090	1	0.96	1E-06	1.87E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
278	3.44322	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.65E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
279	3.05691	4.6E-04	1.4E-03	1090	1	0.96	1E-06	1.47E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
280	0.41131	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.97E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
281	0.39448	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.89E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
282	0.28877	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
283	0.28025	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.34E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
284	0.27125	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.30E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
285	0.26304	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.26E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
286	0.25448	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.22E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
287	0.24705	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.19E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
288	0.239	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.15E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
289	0.23258	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.12E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
290	2.89073	4.6E-04	1.3E-03	1090	1	0.96	1E-06	1.39E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
291	3.22326	4.6E-04	1.5E-03	1090	1	0.96	1E-06	1.55E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	
292	3.61061	4.6E-04	1.7E-03	1090	1	0.96	1E-06	1.73E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
293	4.06315	4.6E-04	1.9E-03	1090	1	0.96	1E-06	1.95E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
294	4.58917	4.6E-04	2.1E-03	1090	1	0.96	1E-06	2.20E-06	1.1	10	0.96	70	0.85	2.8E-07	2.8E-01	
295	5.20007	4.6E-04	2.4E-03	1090	1	0.96	1E-06	2.50E-06	1.1	10	0.96	70	0.85	3.2E-07	3.2E-01	
296	11.38918	4.6E-04	5.2E-03	1090	1	0.96	1E-06	5.46E-06	1.1	10	0.96	70	0.85	7.0E-07	7.0E-01	
297	12.34187	4.6E-04	5.7E-03	1090	1	0.96	1E-06	5.92E-06	1.1	10	0.96	70	0.85	7.6E-07	7.6E-01	
298	11.21351	4.6E-04	5.1E-03	1090	1	0.96	1E-06	5.38E-06	1.1	10	0.96	70	0.85	6.9E-07	6.9E-01	
299	8.94111	4.6E-04	4.1E-03	1090	1	0.96	1E-06	4.29E-06	1.1	10	0.96	70	0.85	5.5E-07	5.5E-01	
300	7.55064	4.6E-04	3.5E-03	1090	1	0.96	1E-06	3.62E-06	1.1	10	0.96	70	0.85	4.7E-07	4.7E-01	
301	6.46019	4.6E-04	3.0E-03	1090	1	0.96	1E-06	3.10E-06	1.1	10	0.96	70	0.85	4.0E-07	4.0E-01	
302	5.70985	4.6E-04	2.6E-03	1090	1	0.96	1E-06	2.74E-06	1.1	10	0.96	70	0.85	3.5E-07	3.5E-01	
303	4.74933	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.28E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
304	4.12897	4.6E-04	1.9E-03	1090	1	0.96	1E-06	1.98E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
305	3.61577	4.6E-04	1.7E-03	1090	1	0.96	1E-06	1.73E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
306	3.19086	4.6E-04	1.5E-03	1090	1	0.96	1E-06	1.53E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	
307	0.67084	4.6E-04	3.1E-04	1090	1	0.96	1E-06	3.22E-07	1.1	10	0.96	70	0.85	4.1E-08	4.1E-02	
308	0.63953	4.6E-04	2.9E-04	1090	1	0.96	1E-06	3.07E-07	1.1	10	0.96	70	0.85	3.9E-08	3.9E-02	
309	0.41336	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.98E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
310	0.39837	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.91E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
311	0.28973	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
312	0.28111	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.35E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
313	0.27206	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.31E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
314	0.26413	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.27E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
315	0.25564	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.23E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
316	0.24777	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.19E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
317	0.24031	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.15E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
318	0.23315	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.12E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
319	3.0457	4.6E-04	1.4E-03	1090	1	0.96	1E-06	1.46E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
320	3.42317	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.64E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
321	3.87233	4.6E-04	1.8E-03	1090	1	0.96	1E-06	1.86E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
322	4.40852	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.12E-06	1.1	10	0.96	70	0.85	2.7E-07	2.7E-01	
323	5.05256	4.6E-04	2.3E-03	1090	1	0.96	1E-06	2.42E-06	1.1	10	0.96	70	0.85	3.1E-07	3.1E-01	
324	5.82353	4.6E-04	2.7E-03	1090	1	0.96	1E-06	2.79E-06	1.1	10	0.96	70	0.85	3.6E-07	3.6E-01	
325	14.82703	4.6E-04	6.8E-03	1090	1	0.96	1E-06	7.11E-06	1.1	10	0.96	70	0.85	9.2E-07	9.2E-01	
326	13.69186	4.6E-04	6.3E-03	1090	1	0.96	1E-06	6.57E-06	1.1	10	0.96	70	0.85	8.4E-07	8.4E-01	
327	12.59373	4.6E-04	5.8E-03	1090	1	0.96	1E-06	6.04E-06	1.1	10	0.96	70	0.85	7.8E-07	7.8E-01	
328	10.15927	4.6E-04	4.7E-03	1090	1	0.96	1E-06	4.87E-06	1.1	10	0.96	70	0.85	6.3E-07	6.3E-01	
329	8.49375	4.6E-04	3.9E-03	1090	1	0.96	1E-06	4.08E-06	1.1	10	0.96	70	0.85	5.2E-07	5.2E-01	
330	7.07969	4.6E-04	3.3E-03	1090	1	0.96	1E-06	3.40E-06	1.1	10	0.96	70	0.85	4.4E-07	4.4E-01	
331	5.95061	4.6E-04	2.7E-03	1090	1	0.96	1E-06	2.86E-06	1.1	10	0.96	70	0.85	3.7E-07	3.7E-01	
332	5.045	4.6E-04	2.3E-03	1090	1	0.96	1E-06	2.42E-06	1.1	10	0.96	70	0.85	3.1E-07	3.1E-01	
333	4.35104	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.09E-06	1.1	10	0.96	70	0.85	2.7E-07	2.7E-01	
334	3.78577	4.6E-04	1.7E-03	1090	1	0.96	1E-06	1.82E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
335	3.32349	4.6E-04	1.5E-03	1090	1	0.96	1E-06	1.59E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
336	0.67624	4.6E-04	3.1E-04	1090	1	0.96	1E-06	3.24E-07	1.1	10	0.96	70	0.85	4.2E-08	4.2E-02	
337	0.6444	4.6E-04	3.0E-04	1090	1	0.96	1E-06	3.09E-07	1.1	10	0.96	70	0.85	4.0E-08	4.0E-02	
338	0.42291	4.6E-04	1.9E-04	1090	1	0.96	1E-06	2.03E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
339	0.40152	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.93E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
340	0.24077	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.16E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
341	0.23362	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.12E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
342	3.18996	4.6E-04	1.5E-03	1090	1	0.96	1E-06	1.53E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	
343	3.61228	4.6E-04	1.7E-03	1090	1	0.96	1E-06	1.73E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
344	4.12406	4.6E-04	1.9E-03	1090	1	0.96	1E-06	1.98E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
345	4.75056	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.28E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
346	5.5249	4.6E-04	2.5E-03	1090	1	0.96	1E-06	2.65E-06	1.1	10	0.96	70	0.85	3.4E-07	3.4E-01	
347	6.48649	4.6E-04	3.0E-03	1090	1	0.96	1E-06	3.11E-06	1.1	10	0.96	70	0.85	4.0E-07	4.0E-01	
348	20.997	4.6E-04	9.6E-03	1090	1	0.96	1E-06	1.01E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
349	20.09432	4.6E-04	9.2E-03	1090	1	0.96	1E-06	9.64E-06	1.1	10	0.96	70	0.85	1.2E-06	1.2E+00	
350	17.64735	4.6E-04	8.1E-03	1090	1	0.96	1E-06	8.47E-06	1.1	10	0.96	70	0.85	1.1E-06	1.1E+00	
351	14.58593	4.6E-04	6.7E-03	1090	1	0.96	1E-06	7.00E-06	1.1	10	0.96	70	0.85	9.0E-07	9.0E-01	
352	11.75643	4.6E-04	5.4E-03	1090	1	0.96	1E-06	5.64E-06	1.1	10	0.96	70	0.85	7.3E-07	7.3E-01	
353	9.47431	4.6E-04	4.3E-03	1090	1	0.96	1E-06	4.55E-06	1.1	10	0.96	70	0.85	5.8E-07	5.8E-01	
354	7.70866	4.6E-04	3.5E-03	1090	1	0.96	1E-06	3.70E-06	1.1	10	0.96	70	0.85	4.8E-07	4.8E-01	
355	6.37238	4.6E-04	2.9E-03	1090	1	0.96	1E-06	3.06E-06	1.1	10	0.96	70	0.85	3.9E-07	3.9E-01	
356	5.13287	4.6E-04	2.4E-03	1090	1	0.96	1E-06	2.46E-06	1.1	10	0.96	70	0.85	3.2E-07	3.2E-01	
357	4.55798	4.6E-04	2.1E-03	1090	1	0.96	1E-06	2.19E-06	1.1	10	0.96	70	0.85	2.8E-07	2.8E-01	
358	3.94858	4.6E-04	1.8E-03	1090	1	0.96	1E-06	1.89E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
359	3.45042	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.66E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
360	0.94353	4.6E-04	4.3E-04	1090	1	0.96	1E-06	4.53E-07	1.1	10	0.96	70	0.85	5.8E-08	5.8E-02	
361	0.8894	4.6E-04	4.1E-04	1090	1	0.96	1E-06	4.27E-07	1.1	10	0.96	70	0.85	5.5E-08	5.5E-02	
362	0.68091	4.6E-04	3.1E-04	1090	1	0.96	1E-06	3.27E-07	1.1	10	0.96	70	0.85	4.2E-08	4.2E-02	
363	0.64861	4.6E-04	3.0E-04	1090	1	0.96	1E-06	3.11E-07	1.1	10	0.96	70	0.85	4.0E-08	4.0E-02	
364	0.42452	4.6E-04	1.9E-04	1090	1	0.96	1E-06	2.04E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
365	0.40897	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.96E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
366	0.33397	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.60E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
367	0.32319	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.55E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
368	0.31198	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.50E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
369	0.24045	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.15E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
370	0.23347	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.12E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
371	0.22631	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.09E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
372	0.2191	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
373	0.21227	4.6E-04	9.7E-05	1090	1	0.96	1E-06	1.02E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
374	0.20657	4.6E-04	9.5E-05	1090	1	0.96	1E-06	9.91E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
375	0.20071	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.63E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
376	0.1948	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.35E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
377	0.19009	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.12E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
378	3.31777	4.6E-04	1.5E-03	1090	1	0.96	1E-06	1.59E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	
379	3.78228	4.6E-04	1.7E-03	1090	1	0.96	1E-06	1.81E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
380	4.35555	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.09E-06	1.1	10	0.96	70	0.85	2.7E-07	2.7E-01	
381	5.07206	4.6E-04	2.3E-03	1090	1	0.96	1E-06	2.43E-06	1.1	10	0.96	70	0.85	3.1E-07	3.1E-01	
382	5.98173	4.6E-04	2.7E-03	1090	1	0.96	1E-06	2.87E-06	1.1	10	0.96	70	0.85	3.7E-07	3.7E-01	
383	7.15434	4.6E-04	3.3E-03	1090	1	0.96	1E-06	3.43E-06	1.1	10	0.96	70	0.85	4.4E-07	4.4E-01	
384	31.59039	4.6E-04	1.5E-02	1090	1	0.96	1E-06	1.52E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
385	28.56594	4.6E-04	1.3E-02	1090	1	0.96	1E-06	1.37E-05	1.1	10	0.96	70	0.85	1.8E-06	1.8E+00	
386	23.05947	4.6E-04	1.1E-02	1090	1	0.96	1E-06	1.11E-05	1.1	10	0.96	70	0.85	1.4E-06	1.4E+00	
387	17.6435	4.6E-04	8.1E-03	1090	1	0.96	1E-06	8.47E-06	1.1	10	0.96	70	0.85	1.1E-06	1.1E+00	
388	13.45707	4.6E-04	6.2E-03	1090	1	0.96	1E-06	6.46E-06	1.1	10	0.96	70	0.85	8.3E-07	8.3E-01	
389	10.44724	4.6E-04	4.8E-03	1090	1	0.96	1E-06	5.01E-06	1.1	10	0.96	70	0.85	6.4E-07	6.4E-01	
390	8.31472	4.6E-04	3.8E-03	1090	1	0.96	1E-06	3.99E-06	1.1	10	0.96	70	0.85	5.1E-07	5.1E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
391	6.77551	4.6E-04	3.1E-03	1090	1	0.96	1E-06	3.25E-06	1.1	10	0.96	70	0.85	4.2E-07	4.2E-01	
392	5.63571	4.6E-04	2.6E-03	1090	1	0.96	1E-06	2.70E-06	1.1	10	0.96	70	0.85	3.5E-07	3.5E-01	
393	4.77087	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.29E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
394	4.10271	4.6E-04	1.9E-03	1090	1	0.96	1E-06	1.97E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
395	3.56802	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.71E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
396	0.95138	4.6E-04	4.4E-04	1090	1	0.96	1E-06	4.57E-07	1.1	10	0.96	70	0.85	5.9E-08	5.9E-02	
397	0.89631	4.6E-04	4.1E-04	1090	1	0.96	1E-06	4.30E-07	1.1	10	0.96	70	0.85	5.5E-08	5.5E-02	
398	0.68478	4.6E-04	3.1E-04	1090	1	0.96	1E-06	3.29E-07	1.1	10	0.96	70	0.85	4.2E-08	4.2E-02	
399	0.65211	4.6E-04	3.0E-04	1090	1	0.96	1E-06	3.13E-07	1.1	10	0.96	70	0.85	4.0E-08	4.0E-02	
400	0.42912	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.06E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
401	0.41016	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.97E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
402	0.33469	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.61E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
403	0.32382	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.55E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
404	0.31258	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.50E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
405	0.24068	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.15E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
406	0.23269	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.12E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
407	0.22537	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.08E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
408	0.21922	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
409	0.21241	4.6E-04	9.8E-05	1090	1	0.96	1E-06	1.02E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
410	0.20591	4.6E-04	9.5E-05	1090	1	0.96	1E-06	9.88E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
411	0.2008	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.64E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
412	0.19487	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.35E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
413	0.19015	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.12E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
414	3.42252	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.64E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
415	3.92354	4.6E-04	1.8E-03	1090	1	0.96	1E-06	1.88E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
416	4.5504	4.6E-04	2.1E-03	1090	1	0.96	1E-06	2.18E-06	1.1	10	0.96	70	0.85	2.8E-07	2.8E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
417	5.34933	4.6E-04	2.5E-03	1090	1	0.96	1E-06	2.57E-06	1.1	10	0.96	70	0.85	3.3E-07	3.3E-01	
418	6.38855	4.6E-04	2.9E-03	1090	1	0.96	1E-06	3.07E-06	1.1	10	0.96	70	0.85	3.9E-07	3.9E-01	
419	7.77263	4.6E-04	3.6E-03	1090	1	0.96	1E-06	3.73E-06	1.1	10	0.96	70	0.85	4.8E-07	4.8E-01	
420	41.63588	4.6E-04	1.9E-02	1090	1	0.96	1E-06	2.00E-05	1.1	10	0.96	70	0.85	2.6E-06	2.6E+00	
421	52.46873	4.6E-04	2.4E-02	1090	1	0.96	1E-06	2.52E-05	1.1	10	0.96	70	0.85	3.2E-06	3.2E+00	
422	53.56662	4.6E-04	2.5E-02	1090	1	0.96	1E-06	2.57E-05	1.1	10	0.96	70	0.85	3.3E-06	3.3E+00	
423	42.79932	4.6E-04	2.0E-02	1090	1	0.96	1E-06	2.05E-05	1.1	10	0.96	70	0.85	2.6E-06	2.6E+00	
424	30.12604	4.6E-04	1.4E-02	1090	1	0.96	1E-06	1.45E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	
425	20.95382	4.6E-04	9.6E-03	1090	1	0.96	1E-06	1.01E-05	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
426	15.12463	4.6E-04	6.9E-03	1090	1	0.96	1E-06	7.26E-06	1.1	10	0.96	70	0.85	9.3E-07	9.3E-01	
427	11.36684	4.6E-04	5.2E-03	1090	1	0.96	1E-06	5.45E-06	1.1	10	0.96	70	0.85	7.0E-07	7.0E-01	
428	8.88159	4.6E-04	4.1E-03	1090	1	0.96	1E-06	4.26E-06	1.1	10	0.96	70	0.85	5.5E-07	5.5E-01	
429	7.14728	4.6E-04	3.3E-03	1090	1	0.96	1E-06	3.43E-06	1.1	10	0.96	70	0.85	4.4E-07	4.4E-01	
430	5.89226	4.6E-04	2.7E-03	1090	1	0.96	1E-06	2.83E-06	1.1	10	0.96	70	0.85	3.6E-07	3.6E-01	
431	4.95543	4.6E-04	2.3E-03	1090	1	0.96	1E-06	2.38E-06	1.1	10	0.96	70	0.85	3.1E-07	3.1E-01	
432	4.23485	4.6E-04	1.9E-03	1090	1	0.96	1E-06	2.03E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
433	3.66911	4.6E-04	1.7E-03	1090	1	0.96	1E-06	1.76E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
434	0.95758	4.6E-04	4.4E-04	1090	1	0.96	1E-06	4.59E-07	1.1	10	0.96	70	0.85	5.9E-08	5.9E-02	
435	0.9018	4.6E-04	4.1E-04	1090	1	0.96	1E-06	4.33E-07	1.1	10	0.96	70	0.85	5.6E-08	5.6E-02	
436	0.72359	4.6E-04	3.3E-04	1090	1	0.96	1E-06	3.47E-07	1.1	10	0.96	70	0.85	4.5E-08	4.5E-02	
437	0.68781	4.6E-04	3.2E-04	1090	1	0.96	1E-06	3.30E-07	1.1	10	0.96	70	0.85	4.2E-08	4.2E-02	
438	0.65486	4.6E-04	3.0E-04	1090	1	0.96	1E-06	3.14E-07	1.1	10	0.96	70	0.85	4.0E-08	4.0E-02	
439	0.44414	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.13E-07	1.1	10	0.96	70	0.85	2.7E-08	2.7E-02	
440	0.41105	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.97E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
441	0.33519	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.61E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
442	0.32376	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.55E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
443	0.313	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.50E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
444	0.30228	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.45E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
445	0.29301	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.41E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
446	0.28326	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.36E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
447	0.27548	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.32E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
448	0.26463	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.27E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
449	0.25653	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.23E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
450	0.24847	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.19E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
451	0.24084	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.16E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
452	0.23281	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.12E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
453	0.22517	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.08E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
454	0.21826	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
455	0.21245	4.6E-04	9.8E-05	1090	1	0.96	1E-06	1.02E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
456	0.20589	4.6E-04	9.5E-05	1090	1	0.96	1E-06	9.88E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
457	0.20081	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.64E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
458	0.19485	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.35E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
459	0.18962	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.10E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
460	3.4978	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.68E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
461	4.0285	4.6E-04	1.8E-03	1090	1	0.96	1E-06	1.93E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
462	4.69793	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.25E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
463	5.56252	4.6E-04	2.6E-03	1090	1	0.96	1E-06	2.67E-06	1.1	10	0.96	70	0.85	3.4E-07	3.4E-01	
464	6.70603	4.6E-04	3.1E-03	1090	1	0.96	1E-06	3.22E-06	1.1	10	0.96	70	0.85	4.1E-07	4.1E-01	
465	8.27199	4.6E-04	3.8E-03	1090	1	0.96	1E-06	3.97E-06	1.1	10	0.96	70	0.85	5.1E-07	5.1E-01	
466	76.85512	4.6E-04	3.5E-02	1090	1	0.96	1E-06	3.69E-05	1.1	10	0.96	70	0.85	4.7E-06	4.7E+00	
467	120.9431	4.6E-04	5.6E-02	1090	1	0.96	1E-06	5.80E-05	1.1	10	0.96	70	0.85	7.5E-06	7.5E+00	
468	112.9135	4.6E-04	5.2E-02	1090	1	0.96	1E-06	5.42E-05	1.1	10	0.96	70	0.85	7.0E-06	7.0E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
469	66.44562	4.6E-04	3.1E-02	1090	1	0.96	1E-06	3.19E-05	1.1	10	0.96	70	0.85	4.1E-06	4.1E+00	
470	38.23475	4.6E-04	1.8E-02	1090	1	0.96	1E-06	1.83E-05	1.1	10	0.96	70	0.85	2.4E-06	2.4E+00	
471	24.11804	4.6E-04	1.1E-02	1090	1	0.96	1E-06	1.16E-05	1.1	10	0.96	70	0.85	1.5E-06	1.5E+00	
472	16.60642	4.6E-04	7.6E-03	1090	1	0.96	1E-06	7.97E-06	1.1	10	0.96	70	0.85	1.0E-06	1.0E+00	
473	12.17368	4.6E-04	5.6E-03	1090	1	0.96	1E-06	5.84E-06	1.1	10	0.96	70	0.85	7.5E-07	7.5E-01	
474	9.36036	4.6E-04	4.3E-03	1090	1	0.96	1E-06	4.49E-06	1.1	10	0.96	70	0.85	5.8E-07	5.8E-01	
475	7.45716	4.6E-04	3.4E-03	1090	1	0.96	1E-06	3.58E-06	1.1	10	0.96	70	0.85	4.6E-07	4.6E-01	
476	6.10171	4.6E-04	2.8E-03	1090	1	0.96	1E-06	2.93E-06	1.1	10	0.96	70	0.85	3.8E-07	3.8E-01	
477	5.10233	4.6E-04	2.3E-03	1090	1	0.96	1E-06	2.45E-06	1.1	10	0.96	70	0.85	3.1E-07	3.1E-01	
478	4.34113	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.08E-06	1.1	10	0.96	70	0.85	2.7E-07	2.7E-01	
479	3.74768	4.6E-04	1.7E-03	1090	1	0.96	1E-06	1.80E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
480	0.72597	4.6E-04	3.3E-04	1090	1	0.96	1E-06	3.48E-07	1.1	10	0.96	70	0.85	4.5E-08	4.5E-02	
481	0.68994	4.6E-04	3.2E-04	1090	1	0.96	1E-06	3.31E-07	1.1	10	0.96	70	0.85	4.3E-08	4.3E-02	
482	0.65677	4.6E-04	3.0E-04	1090	1	0.96	1E-06	3.15E-07	1.1	10	0.96	70	0.85	4.1E-08	4.1E-02	
483	0.33548	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.61E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
484	0.32402	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.55E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
485	0.31324	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.50E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
486	0.30248	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.45E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
487	0.2932	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.41E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
488	0.28348	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.36E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
489	0.27557	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.32E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
490	0.26488	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.27E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
491	0.25656	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.23E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
492	0.2478	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.19E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
493	0.24	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.15E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
494	0.23282	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.12E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
495	0.22515	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.08E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
496	0.21795	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
497	0.2124	4.6E-04	9.8E-05	1090	1	0.96	1E-06	1.02E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
498	0.20581	4.6E-04	9.4E-05	1090	1	0.96	1E-06	9.88E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
499	0.20073	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.63E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
500	0.19476	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.35E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
501	0.18979	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.11E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
502	3.54054	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.70E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
503	4.08849	4.6E-04	1.9E-03	1090	1	0.96	1E-06	1.96E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
504	0.76658	4.6E-04	3.5E-04	1090	1	0.96	1E-06	3.68E-07	1.1	10	0.96	70	0.85	4.7E-08	4.7E-02	
505	0.72731	4.6E-04	3.3E-04	1090	1	0.96	1E-06	3.49E-07	1.1	10	0.96	70	0.85	4.5E-08	4.5E-02	
506	0.69114	4.6E-04	3.2E-04	1090	1	0.96	1E-06	3.32E-07	1.1	10	0.96	70	0.85	4.3E-08	4.3E-02	
507	0.65784	4.6E-04	3.0E-04	1090	1	0.96	1E-06	3.16E-07	1.1	10	0.96	70	0.85	4.1E-08	4.1E-02	
508	0.62703	4.6E-04	2.9E-04	1090	1	0.96	1E-06	3.01E-07	1.1	10	0.96	70	0.85	3.9E-08	3.9E-02	
509	0.31328	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.50E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
510	3.45221	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.66E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
511	4.09923	4.6E-04	1.9E-03	1090	1	0.96	1E-06	1.97E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
512	0.76688	4.6E-04	3.5E-04	1090	1	0.96	1E-06	3.68E-07	1.1	10	0.96	70	0.85	4.7E-08	4.7E-02	
513	0.72758	4.6E-04	3.3E-04	1090	1	0.96	1E-06	3.49E-07	1.1	10	0.96	70	0.85	4.5E-08	4.5E-02	
514	0.69137	4.6E-04	3.2E-04	1090	1	0.96	1E-06	3.32E-07	1.1	10	0.96	70	0.85	4.3E-08	4.3E-02	
515	0.65806	4.6E-04	3.0E-04	1090	1	0.96	1E-06	3.16E-07	1.1	10	0.96	70	0.85	4.1E-08	4.1E-02	
516	0.62725	4.6E-04	2.9E-04	1090	1	0.96	1E-06	3.01E-07	1.1	10	0.96	70	0.85	3.9E-08	3.9E-02	
517	0.31314	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.50E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
518	3.30815	4.6E-04	1.5E-03	1090	1	0.96	1E-06	1.59E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	
519	4.05588	4.6E-04	1.9E-03	1090	1	0.96	1E-06	1.95E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
520	0.72676	4.6E-04	3.3E-04	1090	1	0.96	1E-06	3.49E-07	1.1	10	0.96	70	0.85	4.5E-08	4.5E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
521	0.69066	4.6E-04	3.2E-04	1090	1	0.96	1E-06	3.31E-07	1.1	10	0.96	70	0.85	4.3E-08	4.3E-02	
522	0.6574	4.6E-04	3.0E-04	1090	1	0.96	1E-06	3.15E-07	1.1	10	0.96	70	0.85	4.1E-08	4.1E-02	
523	0.62668	4.6E-04	2.9E-04	1090	1	0.96	1E-06	3.01E-07	1.1	10	0.96	70	0.85	3.9E-08	3.9E-02	
524	0.31281	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.50E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
525	3.09983	4.6E-04	1.4E-03	1090	1	0.96	1E-06	1.49E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
526	3.68284	4.6E-04	1.7E-03	1090	1	0.96	1E-06	1.77E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
527	0.3123	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.50E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
528	0.41173	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.98E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
529	0.38104	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.83E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
530	0.36583	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.76E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
531	0.34862	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.67E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
532	0.33428	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.60E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
533	0.32297	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.55E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
534	0.31163	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.50E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
535	0.41056	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.97E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
536	0.3799	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.82E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
537	0.36687	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.76E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
538	0.34762	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.67E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
539	0.33333	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.60E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
540	0.32209	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.55E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
541	0.3108	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.49E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
542	0.40908	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.96E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
543	0.37852	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.82E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
544	0.36559	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.75E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
545	0.34642	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.66E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
546	0.33501	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.61E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
547	0.32104	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.54E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
548	0.31	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.49E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
549	0.4073	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.95E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
550	0.38162	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.83E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
551	0.36408	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.75E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
552	0.34503	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.66E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
553	0.33379	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.60E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
554	0.31983	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.53E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
555	0.30982	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.49E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
556	0.59821	4.6E-04	2.7E-04	1090	1	0.96	1E-06	2.87E-07	1.1	10	0.96	70	0.85	3.7E-08	3.7E-02	
557	0.57181	4.6E-04	2.6E-04	1090	1	0.96	1E-06	2.74E-07	1.1	10	0.96	70	0.85	3.5E-08	3.5E-02	
558	0.59677	4.6E-04	2.7E-04	1090	1	0.96	1E-06	2.86E-07	1.1	10	0.96	70	0.85	3.7E-08	3.7E-02	
559	0.57056	4.6E-04	2.6E-04	1090	1	0.96	1E-06	2.74E-07	1.1	10	0.96	70	0.85	3.5E-08	3.5E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
1	2.22E-04	5	4.44E-05	1.11E-02
2	2.08E-04	5	4.16E-05	
3	1.98E-04	5	3.95E-05	
4	1.90E-04	5	3.81E-05	
5	1.82E-04	5	3.65E-05	
6	1.76E-04	5	3.52E-05	
7	1.69E-04	5	3.39E-05	
8	1.64E-04	5	3.27E-05	
9	1.58E-04	5	3.16E-05	
10	1.53E-04	5	3.06E-05	
11	1.48E-04	5	2.95E-05	
12	1.43E-04	5	2.86E-05	
13	1.39E-04	5	2.77E-05	
14	1.34E-04	5	2.68E-05	
15	1.30E-04	5	2.60E-05	
16	1.26E-04	5	2.52E-05	
17	1.22E-04	5	2.44E-05	
18	1.18E-04	5	2.37E-05	
19	1.15E-04	5	2.30E-05	
20	1.11E-04	5	2.23E-05	
21	1.08E-04	5	2.16E-05	
22	1.05E-04	5	2.10E-05	
23	1.02E-04	5	2.04E-05	
24	9.91E-05	5	1.98E-05	
25	9.63E-05	5	1.93E-05	
26	9.35E-05	5	1.87E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
27	9.09E-05	5	1.82E-05	
28	8.83E-05	5	1.77E-05	
29	8.62E-05	5	1.72E-05	
30	8.39E-05	5	1.68E-05	
31	2.25E-04	5	4.49E-05	
32	2.10E-04	5	4.20E-05	
33	2.00E-04	5	3.99E-05	
34	1.92E-04	5	3.84E-05	
35	1.84E-04	5	3.67E-05	
36	1.77E-04	5	3.55E-05	
37	1.71E-04	5	3.41E-05	
38	1.65E-04	5	3.30E-05	
39	1.59E-04	5	3.18E-05	
40	1.54E-04	5	3.08E-05	
41	1.49E-04	5	2.97E-05	
42	1.44E-04	5	2.89E-05	
43	1.39E-04	5	2.79E-05	
44	1.35E-04	5	2.71E-05	
45	1.31E-04	5	2.62E-05	
46	1.27E-04	5	2.54E-05	
47	1.23E-04	5	2.46E-05	
48	1.19E-04	5	2.38E-05	
49	1.16E-04	5	2.31E-05	
50	1.12E-04	5	2.24E-05	
51	1.09E-04	5	2.18E-05	
52	1.06E-04	5	2.11E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
53	1.02E-04	5	2.05E-05	
54	9.95E-05	5	1.99E-05	
55	9.68E-05	5	1.94E-05	
56	9.39E-05	5	1.88E-05	
57	9.12E-05	5	1.82E-05	
58	8.89E-05	5	1.78E-05	
59	8.66E-05	5	1.73E-05	
60	8.42E-05	5	1.68E-05	
61	2.27E-04	5	4.54E-05	
62	2.12E-04	5	4.24E-05	
63	2.02E-04	5	4.04E-05	
64	1.94E-04	5	3.87E-05	
65	1.85E-04	5	3.71E-05	
66	1.79E-04	5	3.57E-05	
67	1.72E-04	5	3.45E-05	
68	1.66E-04	5	3.32E-05	
69	1.61E-04	5	3.21E-05	
70	1.55E-04	5	3.10E-05	
71	1.50E-04	5	3.00E-05	
72	1.45E-04	5	2.90E-05	
73	1.40E-04	5	2.81E-05	
74	1.36E-04	5	2.72E-05	
75	1.32E-04	5	2.63E-05	
76	1.28E-04	5	2.56E-05	
77	1.24E-04	5	2.48E-05	
78	1.20E-04	5	2.40E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
79	1.16E-04	5	2.33E-05	
80	1.13E-04	5	2.25E-05	
81	1.10E-04	5	2.19E-05	
82	1.06E-04	5	2.12E-05	
83	1.03E-04	5	2.06E-05	
84	1.00E-04	5	2.00E-05	
85	9.72E-05	5	1.94E-05	
86	9.43E-05	5	1.89E-05	
87	9.18E-05	5	1.84E-05	
88	8.94E-05	5	1.79E-05	
89	8.69E-05	5	1.74E-05	
90	8.45E-05	5	1.69E-05	
91	2.30E-04	5	4.60E-05	
92	2.14E-04	5	4.28E-05	
93	2.06E-04	5	4.12E-05	
94	1.95E-04	5	3.91E-05	
95	1.88E-04	5	3.76E-05	
96	1.80E-04	5	3.60E-05	
97	1.74E-04	5	3.47E-05	
98	1.67E-04	5	3.35E-05	
99	1.62E-04	5	3.23E-05	
100	1.56E-04	5	3.12E-05	
101	1.51E-04	5	3.02E-05	
102	1.46E-04	5	2.92E-05	
103	1.41E-04	5	2.83E-05	
104	1.37E-04	5	2.74E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
105	1.32E-04	5	2.65E-05	
106	1.29E-04	5	2.57E-05	
107	1.24E-04	5	2.49E-05	
108	1.20E-04	5	2.41E-05	
109	1.17E-04	5	2.35E-05	
110	1.13E-04	5	2.27E-05	
111	1.10E-04	5	2.20E-05	
112	1.07E-04	5	2.13E-05	
113	1.04E-04	5	2.08E-05	
114	1.01E-04	5	2.01E-05	
115	9.76E-05	5	1.95E-05	
116	9.49E-05	5	1.90E-05	
117	9.24E-05	5	1.85E-05	
118	8.98E-05	5	1.80E-05	
119	8.72E-05	5	1.74E-05	
120	8.52E-05	5	1.70E-05	
121	2.32E-04	5	4.65E-05	
122	2.17E-04	5	4.34E-05	
123	2.08E-04	5	4.16E-05	
124	1.97E-04	5	3.95E-05	
125	1.90E-04	5	3.79E-05	
126	1.82E-04	5	3.65E-05	
127	1.75E-04	5	3.50E-05	
128	1.69E-04	5	3.38E-05	
129	1.63E-04	5	3.25E-05	
130	1.57E-04	5	3.15E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
131	1.52E-04	5	3.04E-05	
132	1.47E-04	5	2.94E-05	
133	1.42E-04	5	2.84E-05	
134	1.37E-04	5	2.75E-05	
135	1.33E-04	5	2.66E-05	
136	1.29E-04	5	2.58E-05	
137	1.25E-04	5	2.50E-05	
138	1.22E-04	5	2.43E-05	
139	1.18E-04	5	2.36E-05	
140	1.14E-04	5	2.28E-05	
141	1.11E-04	5	2.21E-05	
142	1.08E-04	5	2.15E-05	
143	1.04E-04	5	2.09E-05	
144	1.01E-04	5	2.02E-05	
145	9.82E-05	5	1.96E-05	
146	9.55E-05	5	1.91E-05	
147	9.27E-05	5	1.85E-05	
148	9.01E-05	5	1.80E-05	
149	8.79E-05	5	1.76E-05	
150	8.55E-05	5	1.71E-05	
151	2.35E-04	5	4.70E-05	
152	2.26E-04	5	4.51E-05	
153	2.10E-04	5	4.19E-05	
154	2.02E-04	5	4.03E-05	
155	1.91E-04	5	3.82E-05	
156	1.84E-04	5	3.68E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
157	1.76E-04	5	3.52E-05	
158	1.70E-04	5	3.40E-05	
159	1.64E-04	5	3.27E-05	
160	1.58E-04	5	3.17E-05	
161	1.53E-04	5	3.05E-05	
162	1.48E-04	5	2.96E-05	
163	1.43E-04	5	2.86E-05	
164	1.38E-04	5	2.77E-05	
165	1.34E-04	5	2.68E-05	
166	1.30E-04	5	2.60E-05	
167	1.26E-04	5	2.51E-05	
168	1.22E-04	5	2.44E-05	
169	1.19E-04	5	2.37E-05	
170	1.15E-04	5	2.30E-05	
171	1.11E-04	5	2.22E-05	
172	1.08E-04	5	2.16E-05	
173	1.05E-04	5	2.09E-05	
174	1.02E-04	5	2.03E-05	
175	9.89E-05	5	1.98E-05	
176	9.59E-05	5	1.92E-05	
177	9.32E-05	5	1.86E-05	
178	9.08E-05	5	1.82E-05	
179	8.82E-05	5	1.76E-05	
180	8.58E-05	5	1.72E-05	
181	2.37E-04	5	4.74E-05	
182	2.28E-04	5	4.56E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
183	2.11E-04	5	4.23E-05	
184	2.03E-04	5	4.07E-05	
185	1.92E-04	5	3.85E-05	
186	1.85E-04	5	3.71E-05	
187	1.77E-04	5	3.55E-05	
188	1.71E-04	5	3.42E-05	
189	1.65E-04	5	3.29E-05	
190	1.59E-04	5	3.18E-05	
191	1.54E-04	5	3.07E-05	
192	1.49E-04	5	2.97E-05	
193	1.44E-04	5	2.87E-05	
194	1.39E-04	5	2.78E-05	
195	1.35E-04	5	2.70E-05	
196	1.31E-04	5	2.61E-05	
197	1.27E-04	5	2.54E-05	
198	1.23E-04	5	2.46E-05	
199	1.19E-04	5	2.38E-05	
200	1.15E-04	5	2.30E-05	
201	1.02E-04	5	2.05E-05	
202	9.92E-05	5	1.98E-05	
203	9.64E-05	5	1.93E-05	
204	9.39E-05	5	1.88E-05	
205	9.11E-05	5	1.82E-05	
206	8.85E-05	5	1.77E-05	
207	8.60E-05	5	1.72E-05	
208	2.39E-04	5	4.79E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
209	2.30E-04	5	4.60E-05	
210	2.14E-04	5	4.28E-05	
211	2.05E-04	5	4.10E-05	
212	1.94E-04	5	3.87E-05	
213	1.87E-04	5	3.73E-05	
214	1.78E-04	5	3.57E-05	
215	1.72E-04	5	3.44E-05	
216	1.66E-04	5	3.31E-05	
217	1.60E-04	5	3.20E-05	
218	1.55E-04	5	3.09E-05	
219	1.49E-04	5	2.99E-05	
220	1.45E-04	5	2.89E-05	
221	1.40E-04	5	2.80E-05	
222	1.36E-04	5	2.71E-05	
223	1.32E-04	5	2.63E-05	
224	1.27E-04	5	2.55E-05	
225	1.23E-04	5	2.47E-05	
226	1.20E-04	5	2.39E-05	
227	1.16E-04	5	2.31E-05	
228	1.03E-04	5	2.06E-05	
229	9.95E-05	5	1.99E-05	
230	9.71E-05	5	1.94E-05	
231	9.41E-05	5	1.88E-05	
232	9.14E-05	5	1.83E-05	
233	8.87E-05	5	1.77E-05	
234	8.65E-05	5	1.73E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
235	1.18E-03	5	2.36E-04	
236	1.29E-03	5	2.59E-04	
237	1.42E-03	5	2.84E-04	
238	1.57E-03	5	3.13E-04	
239	1.72E-03	5	3.45E-04	
240	1.90E-03	5	3.80E-04	
241	3.36E-03	5	6.71E-04	
242	3.40E-03	5	6.80E-04	
243	3.64E-03	5	7.27E-04	
244	3.56E-03	5	7.12E-04	
245	2.97E-03	5	5.95E-04	
246	2.71E-03	5	5.42E-04	
247	2.43E-03	5	4.86E-04	
248	2.16E-03	5	4.31E-04	
249	1.91E-03	5	3.82E-04	
250	1.69E-03	5	3.38E-04	
251	1.50E-03	5	3.00E-04	
252	1.34E-03	5	2.68E-04	
253	1.88E-04	5	3.76E-05	
254	1.79E-04	5	3.59E-05	
255	1.32E-04	5	2.64E-05	
256	1.28E-04	5	2.56E-05	
257	1.24E-04	5	2.48E-05	
258	1.20E-04	5	2.40E-05	
259	1.16E-04	5	2.33E-05	
260	1.13E-04	5	2.26E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
261	1.09E-04	5	2.19E-05	
262	1.06E-04	5	2.13E-05	
263	1.25E-03	5	2.51E-04	
264	1.39E-03	5	2.77E-04	
265	1.54E-03	5	3.08E-04	
266	1.71E-03	5	3.42E-04	
267	1.91E-03	5	3.81E-04	
268	2.13E-03	5	4.26E-04	
269	4.51E-03	5	9.02E-04	
270	4.54E-03	5	9.08E-04	
271	4.34E-03	5	8.67E-04	
272	3.72E-03	5	7.44E-04	
273	3.07E-03	5	6.14E-04	
274	2.69E-03	5	5.38E-04	
275	2.41E-03	5	4.82E-04	
276	2.04E-03	5	4.09E-04	
277	1.79E-03	5	3.59E-04	
278	1.58E-03	5	3.16E-04	
279	1.40E-03	5	2.81E-04	
280	1.89E-04	5	3.78E-05	
281	1.81E-04	5	3.62E-05	
282	1.33E-04	5	2.65E-05	
283	1.29E-04	5	2.57E-05	
284	1.25E-04	5	2.49E-05	
285	1.21E-04	5	2.42E-05	
286	1.17E-04	5	2.34E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
287	1.13E-04	5	2.27E-05	
288	1.10E-04	5	2.19E-05	
289	1.07E-04	5	2.14E-05	
290	1.33E-03	5	2.65E-04	
291	1.48E-03	5	2.96E-04	
292	1.66E-03	5	3.32E-04	
293	1.87E-03	5	3.73E-04	
294	2.11E-03	5	4.21E-04	
295	2.39E-03	5	4.77E-04	
296	5.23E-03	5	1.05E-03	
297	5.67E-03	5	1.13E-03	
298	5.15E-03	5	1.03E-03	
299	4.10E-03	5	8.21E-04	
300	3.47E-03	5	6.93E-04	
301	2.97E-03	5	5.93E-04	
302	2.62E-03	5	5.24E-04	
303	2.18E-03	5	4.36E-04	
304	1.90E-03	5	3.79E-04	
305	1.66E-03	5	3.32E-04	
306	1.46E-03	5	2.93E-04	
307	3.08E-04	5	6.16E-05	
308	2.94E-04	5	5.87E-05	
309	1.90E-04	5	3.80E-05	
310	1.83E-04	5	3.66E-05	
311	1.33E-04	5	2.66E-05	
312	1.29E-04	5	2.58E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
313	1.25E-04	5	2.50E-05	
314	1.21E-04	5	2.43E-05	
315	1.17E-04	5	2.35E-05	
316	1.14E-04	5	2.27E-05	
317	1.10E-04	5	2.21E-05	
318	1.07E-04	5	2.14E-05	
319	1.40E-03	5	2.80E-04	
320	1.57E-03	5	3.14E-04	
321	1.78E-03	5	3.56E-04	
322	2.02E-03	5	4.05E-04	
323	2.32E-03	5	4.64E-04	
324	2.67E-03	5	5.35E-04	
325	6.81E-03	5	1.36E-03	
326	6.29E-03	5	1.26E-03	
327	5.78E-03	5	1.16E-03	
328	4.66E-03	5	9.33E-04	
329	3.90E-03	5	7.80E-04	
330	3.25E-03	5	6.50E-04	
331	2.73E-03	5	5.46E-04	
332	2.32E-03	5	4.63E-04	
333	2.00E-03	5	3.99E-04	
334	1.74E-03	5	3.48E-04	
335	1.53E-03	5	3.05E-04	
336	3.10E-04	5	6.21E-05	
337	2.96E-04	5	5.92E-05	
338	1.94E-04	5	3.88E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
339	1.84E-04	5	3.69E-05	
340	1.11E-04	5	2.21E-05	
341	1.07E-04	5	2.15E-05	
342	1.46E-03	5	2.93E-04	
343	1.66E-03	5	3.32E-04	
344	1.89E-03	5	3.79E-04	
345	2.18E-03	5	4.36E-04	
346	2.54E-03	5	5.07E-04	
347	2.98E-03	5	5.96E-04	
348	9.64E-03	5	1.93E-03	
349	9.23E-03	5	1.85E-03	
350	8.10E-03	5	1.62E-03	
351	6.70E-03	5	1.34E-03	
352	5.40E-03	5	1.08E-03	
353	4.35E-03	5	8.70E-04	
354	3.54E-03	5	7.08E-04	
355	2.93E-03	5	5.85E-04	
356	2.36E-03	5	4.71E-04	
357	2.09E-03	5	4.19E-04	
358	1.81E-03	5	3.63E-04	
359	1.58E-03	5	3.17E-04	
360	4.33E-04	5	8.66E-05	
361	4.08E-04	5	8.17E-05	
362	3.13E-04	5	6.25E-05	
363	2.98E-04	5	5.96E-05	
364	1.95E-04	5	3.90E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
365	1.88E-04	5	3.76E-05	
366	1.53E-04	5	3.07E-05	
367	1.48E-04	5	2.97E-05	
368	1.43E-04	5	2.86E-05	
369	1.10E-04	5	2.21E-05	
370	1.07E-04	5	2.14E-05	
371	1.04E-04	5	2.08E-05	
372	1.01E-04	5	2.01E-05	
373	9.75E-05	5	1.95E-05	
374	9.48E-05	5	1.90E-05	
375	9.21E-05	5	1.84E-05	
376	8.94E-05	5	1.79E-05	
377	8.73E-05	5	1.75E-05	
378	1.52E-03	5	3.05E-04	
379	1.74E-03	5	3.47E-04	
380	2.00E-03	5	4.00E-04	
381	2.33E-03	5	4.66E-04	
382	2.75E-03	5	5.49E-04	
383	3.28E-03	5	6.57E-04	
384	1.45E-02	5	2.90E-03	
385	1.31E-02	5	2.62E-03	
386	1.06E-02	5	2.12E-03	
387	8.10E-03	5	1.62E-03	
388	6.18E-03	5	1.24E-03	
389	4.80E-03	5	9.59E-04	
390	3.82E-03	5	7.63E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
391	3.11E-03	5	6.22E-04	
392	2.59E-03	5	5.17E-04	
393	2.19E-03	5	4.38E-04	
394	1.88E-03	5	3.77E-04	
395	1.64E-03	5	3.28E-04	
396	4.37E-04	5	8.74E-05	
397	4.11E-04	5	8.23E-05	
398	3.14E-04	5	6.29E-05	
399	2.99E-04	5	5.99E-05	
400	1.97E-04	5	3.94E-05	
401	1.88E-04	5	3.77E-05	
402	1.54E-04	5	3.07E-05	
403	1.49E-04	5	2.97E-05	
404	1.44E-04	5	2.87E-05	
405	1.10E-04	5	2.21E-05	
406	1.07E-04	5	2.14E-05	
407	1.03E-04	5	2.07E-05	
408	1.01E-04	5	2.01E-05	
409	9.75E-05	5	1.95E-05	
410	9.45E-05	5	1.89E-05	
411	9.22E-05	5	1.84E-05	
412	8.95E-05	5	1.79E-05	
413	8.73E-05	5	1.75E-05	
414	1.57E-03	5	3.14E-04	
415	1.80E-03	5	3.60E-04	
416	2.09E-03	5	4.18E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
417	2.46E-03	5	4.91E-04	
418	2.93E-03	5	5.87E-04	
419	3.57E-03	5	7.14E-04	
420	1.91E-02	5	3.82E-03	
421	2.41E-02	5	4.82E-03	
422	2.46E-02	5	4.92E-03	
423	1.96E-02	5	3.93E-03	
424	1.38E-02	5	2.77E-03	
425	9.62E-03	5	1.92E-03	
426	6.94E-03	5	1.39E-03	
427	5.22E-03	5	1.04E-03	
428	4.08E-03	5	8.15E-04	
429	3.28E-03	5	6.56E-04	
430	2.71E-03	5	5.41E-04	
431	2.27E-03	5	4.55E-04	
432	1.94E-03	5	3.89E-04	
433	1.68E-03	5	3.37E-04	
434	4.40E-04	5	8.79E-05	
435	4.14E-04	5	8.28E-05	
436	3.32E-04	5	6.64E-05	
437	3.16E-04	5	6.32E-05	
438	3.01E-04	5	6.01E-05	
439	2.04E-04	5	4.08E-05	
440	1.89E-04	5	3.77E-05	
441	1.54E-04	5	3.08E-05	
442	1.49E-04	5	2.97E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
443	1.44E-04	5	2.87E-05	
444	1.39E-04	5	2.78E-05	
445	1.35E-04	5	2.69E-05	
446	1.30E-04	5	2.60E-05	
447	1.26E-04	5	2.53E-05	
448	1.21E-04	5	2.43E-05	
449	1.18E-04	5	2.36E-05	
450	1.14E-04	5	2.28E-05	
451	1.11E-04	5	2.21E-05	
452	1.07E-04	5	2.14E-05	
453	1.03E-04	5	2.07E-05	
454	1.00E-04	5	2.00E-05	
455	9.75E-05	5	1.95E-05	
456	9.45E-05	5	1.89E-05	
457	9.22E-05	5	1.84E-05	
458	8.95E-05	5	1.79E-05	
459	8.71E-05	5	1.74E-05	
460	1.61E-03	5	3.21E-04	
461	1.85E-03	5	3.70E-04	
462	2.16E-03	5	4.31E-04	
463	2.55E-03	5	5.11E-04	
464	3.08E-03	5	6.16E-04	
465	3.80E-03	5	7.60E-04	
466	3.53E-02	5	7.06E-03	
467	5.55E-02	5	1.11E-02	
468	5.18E-02	5	1.04E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
469	3.05E-02	5	6.10E-03	
470	1.76E-02	5	3.51E-03	
471	1.11E-02	5	2.21E-03	
472	7.62E-03	5	1.52E-03	
473	5.59E-03	5	1.12E-03	
474	4.30E-03	5	8.59E-04	
475	3.42E-03	5	6.85E-04	
476	2.80E-03	5	5.60E-04	
477	2.34E-03	5	4.68E-04	
478	1.99E-03	5	3.99E-04	
479	1.72E-03	5	3.44E-04	
480	3.33E-04	5	6.67E-05	
481	3.17E-04	5	6.33E-05	
482	3.02E-04	5	6.03E-05	
483	1.54E-04	5	3.08E-05	
484	1.49E-04	5	2.98E-05	
485	1.44E-04	5	2.88E-05	
486	1.39E-04	5	2.78E-05	
487	1.35E-04	5	2.69E-05	
488	1.30E-04	5	2.60E-05	
489	1.27E-04	5	2.53E-05	
490	1.22E-04	5	2.43E-05	
491	1.18E-04	5	2.36E-05	
492	1.14E-04	5	2.28E-05	
493	1.10E-04	5	2.20E-05	
494	1.07E-04	5	2.14E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
495	1.03E-04	5	2.07E-05	
496	1.00E-04	5	2.00E-05	
497	9.75E-05	5	1.95E-05	
498	9.45E-05	5	1.89E-05	
499	9.22E-05	5	1.84E-05	
500	8.94E-05	5	1.79E-05	
501	8.71E-05	5	1.74E-05	
502	1.63E-03	5	3.25E-04	
503	1.88E-03	5	3.75E-04	
504	3.52E-04	5	7.04E-05	
505	3.34E-04	5	6.68E-05	
506	3.17E-04	5	6.35E-05	
507	3.02E-04	5	6.04E-05	
508	2.88E-04	5	5.76E-05	
509	1.44E-04	5	2.88E-05	
510	1.58E-03	5	3.17E-04	
511	1.88E-03	5	3.76E-04	
512	3.52E-04	5	7.04E-05	
513	3.34E-04	5	6.68E-05	
514	3.17E-04	5	6.35E-05	
515	3.02E-04	5	6.04E-05	
516	2.88E-04	5	5.76E-05	
517	1.44E-04	5	2.88E-05	
518	1.52E-03	5	3.04E-04	
519	1.86E-03	5	3.72E-04	
520	3.34E-04	5	6.67E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
521	3.17E-04	5	6.34E-05	
522	3.02E-04	5	6.04E-05	
523	2.88E-04	5	5.75E-05	
524	1.44E-04	5	2.87E-05	
525	1.42E-03	5	2.85E-04	
526	1.69E-03	5	3.38E-04	
527	1.43E-04	5	2.87E-05	
528	1.89E-04	5	3.78E-05	
529	1.75E-04	5	3.50E-05	
530	1.68E-04	5	3.36E-05	
531	1.60E-04	5	3.20E-05	
532	1.53E-04	5	3.07E-05	
533	1.48E-04	5	2.97E-05	
534	1.43E-04	5	2.86E-05	
535	1.88E-04	5	3.77E-05	
536	1.74E-04	5	3.49E-05	
537	1.68E-04	5	3.37E-05	
538	1.60E-04	5	3.19E-05	
539	1.53E-04	5	3.06E-05	
540	1.48E-04	5	2.96E-05	
541	1.43E-04	5	2.85E-05	
542	1.88E-04	5	3.76E-05	
543	1.74E-04	5	3.48E-05	
544	1.68E-04	5	3.36E-05	
545	1.59E-04	5	3.18E-05	
546	1.54E-04	5	3.08E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 2

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
547	1.47E-04	5	2.95E-05	
548	1.42E-04	5	2.85E-05	
549	1.87E-04	5	3.74E-05	
550	1.75E-04	5	3.50E-05	
551	1.67E-04	5	3.34E-05	
552	1.58E-04	5	3.17E-05	
553	1.53E-04	5	3.06E-05	
554	1.47E-04	5	2.94E-05	
555	1.42E-04	5	2.84E-05	
556	2.75E-04	5	5.49E-05	
557	2.63E-04	5	5.25E-05	
558	2.74E-04	5	5.48E-05	
559	2.62E-04	5	5.24E-05	

Mitigated Risk from Facility Location 3

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
1	0.44239	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.12E-07	1.1	10	0.96	70	0.85	2.7E-08	2.7E-02	**5.76**
2	0.42104	4.6E-04	1.9E-04	1090	1	0.96	1E-06	2.02E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
3	0.39428	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.89E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
4	0.38068	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.83E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
5	0.365	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.75E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
6	0.35285	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.69E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
7	0.34041	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.63E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
8	0.3295	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.58E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
9	0.31826	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.53E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
10	0.30848	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.48E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
11	0.29832	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.43E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
12	0.28995	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
13	0.28106	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.35E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
14	0.27218	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.31E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
15	0.26459	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.27E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
16	0.25654	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.23E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
17	0.24861	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.19E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
18	0.24183	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.16E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
19	0.23536	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.13E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
20	0.22811	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.09E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
21	0.22114	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.06E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
22	0.21561	4.6E-04	9.9E-05	1090	1	0.96	1E-06	1.03E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
23	0.20915	4.6E-04	9.6E-05	1090	1	0.96	1E-06	1.00E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
24	0.2035	4.6E-04	9.3E-05	1090	1	0.96	1E-06	9.76E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
25	0.19809	4.6E-04	9.1E-05	1090	1	0.96	1E-06	9.51E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
26	0.1925	4.6E-04	8.8E-05	1090	1	0.96	1E-06	9.24E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
27	0.18715	4.6E-04	8.6E-05	1090	1	0.96	1E-06	8.98E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
28	0.18207	4.6E-04	8.4E-05	1090	1	0.96	1E-06	8.74E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
29	0.17791	4.6E-04	8.2E-05	1090	1	0.96	1E-06	8.54E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
30	0.17321	4.6E-04	8.0E-05	1090	1	0.96	1E-06	8.31E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
31	0.44742	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.15E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
32	0.4253	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.04E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
33	0.39756	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.91E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
34	0.38371	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.84E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
35	0.36772	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.76E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
36	0.35544	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.71E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
37	0.34277	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.64E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
38	0.33177	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.59E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
39	0.32052	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.54E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
40	0.31044	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.49E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
41	0.30015	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.44E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
42	0.29208	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.40E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
43	0.28271	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.36E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
44	0.2746	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.32E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
45	0.26605	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.28E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
46	0.25846	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.24E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
47	0.25047	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.20E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
48	0.24336	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.17E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
49	0.23645	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.13E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
50	0.2292	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.10E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
51	0.22305	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.07E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
52	0.21658	4.6E-04	9.9E-05	1090	1	0.96	1E-06	1.04E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
53	0.21006	4.6E-04	9.6E-05	1090	1	0.96	1E-06	1.01E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
54	0.2044	4.6E-04	9.4E-05	1090	1	0.96	1E-06	9.81E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
55	0.19898	4.6E-04	9.1E-05	1090	1	0.96	1E-06	9.55E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
56	0.19328	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.27E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
57	0.18788	4.6E-04	8.6E-05	1090	1	0.96	1E-06	9.02E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
58	0.18332	4.6E-04	8.4E-05	1090	1	0.96	1E-06	8.80E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
59	0.17858	4.6E-04	8.2E-05	1090	1	0.96	1E-06	8.57E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
60	0.17384	4.6E-04	8.0E-05	1090	1	0.96	1E-06	8.34E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
61	0.45234	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.17E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
62	0.42946	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.06E-07	1.1	10	0.96	70	0.85	2.7E-08	2.7E-02	
63	0.40254	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.93E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
64	0.38672	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.86E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
65	0.37095	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.78E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
66	0.35797	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.72E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
67	0.34586	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.66E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
68	0.33397	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.60E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
69	0.32341	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.55E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
70	0.31238	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.50E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
71	0.30287	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.45E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
72	0.29382	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.41E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
73	0.28433	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.36E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
74	0.27614	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.33E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
75	0.2675	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.28E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
76	0.26009	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.25E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
77	0.25222	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.21E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
78	0.24442	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.17E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
79	0.2378	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.14E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
80	0.23045	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.11E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
81	0.22446	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.08E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
82	0.21758	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.04E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
83	0.21155	4.6E-04	9.7E-05	1090	1	0.96	1E-06	1.02E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
84	0.20581	4.6E-04	9.4E-05	1090	1	0.96	1E-06	9.88E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
85	0.19979	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.59E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
86	0.19404	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.31E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
87	0.18902	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.07E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
88	0.18426	4.6E-04	8.5E-05	1090	1	0.96	1E-06	8.84E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
89	0.17923	4.6E-04	8.2E-05	1090	1	0.96	1E-06	8.60E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
90	0.17445	4.6E-04	8.0E-05	1090	1	0.96	1E-06	8.37E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
91	0.45712	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.19E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
92	0.43351	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.08E-07	1.1	10	0.96	70	0.85	2.7E-08	2.7E-02	
93	0.41808	4.6E-04	1.9E-04	1090	1	0.96	1E-06	2.01E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
94	0.38967	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.87E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
95	0.37624	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.81E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
96	0.36046	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.73E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
97	0.34853	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.67E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
98	0.33633	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.61E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
99	0.32546	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.56E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
100	0.31429	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.51E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
101	0.30467	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.46E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
102	0.29552	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.42E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
103	0.28634	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.37E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
104	0.27766	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.33E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
105	0.26895	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.29E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
106	0.26144	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.25E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
107	0.25343	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.22E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
108	0.2454	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.18E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
109	0.23953	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.15E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
110	0.23181	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.11E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
111	0.22547	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.08E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
112	0.21856	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
113	0.21309	4.6E-04	9.8E-05	1090	1	0.96	1E-06	1.02E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
114	0.20664	4.6E-04	9.5E-05	1090	1	0.96	1E-06	9.92E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
115	0.20057	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.62E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
116	0.19524	4.6E-04	9.0E-05	1090	1	0.96	1E-06	9.37E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
117	0.19022	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.13E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
118	0.18493	4.6E-04	8.5E-05	1090	1	0.96	1E-06	8.87E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
119	0.17986	4.6E-04	8.3E-05	1090	1	0.96	1E-06	8.63E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
120	0.1758	4.6E-04	8.1E-05	1090	1	0.96	1E-06	8.44E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
121	0.46172	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.22E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
122	0.43899	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.11E-07	1.1	10	0.96	70	0.85	2.7E-08	2.7E-02	
123	0.42172	4.6E-04	1.9E-04	1090	1	0.96	1E-06	2.02E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
124	0.39353	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.89E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
125	0.37894	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.82E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
126	0.36545	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.75E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
127	0.35082	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.68E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
128	0.33938	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.63E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
129	0.32746	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.57E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
130	0.31719	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.52E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
131	0.30643	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.47E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
132	0.29718	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.43E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
133	0.28749	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.38E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
134	0.2785	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.34E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
135	0.2703	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.30E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
136	0.26275	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.26E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
137	0.25469	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.22E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
138	0.24787	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.19E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
139	0.24095	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.16E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
140	0.23353	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.12E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
141	0.22644	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.09E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
142	0.22043	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.06E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
143	0.21395	4.6E-04	9.8E-05	1090	1	0.96	1E-06	1.03E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
144	0.20745	4.6E-04	9.5E-05	1090	1	0.96	1E-06	9.95E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
145	0.20183	4.6E-04	9.3E-05	1090	1	0.96	1E-06	9.68E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
146	0.19653	4.6E-04	9.0E-05	1090	1	0.96	1E-06	9.43E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
147	0.19089	4.6E-04	8.8E-05	1090	1	0.96	1E-06	9.16E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
148	0.18559	4.6E-04	8.5E-05	1090	1	0.96	1E-06	8.91E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
149	0.1813	4.6E-04	8.3E-05	1090	1	0.96	1E-06	8.70E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
150	0.17639	4.6E-04	8.1E-05	1090	1	0.96	1E-06	8.46E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
151	0.46613	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.24E-07	1.1	10	0.96	70	0.85	2.9E-08	2.9E-02	
152	0.44893	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.15E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
153	0.42522	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.04E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
154	0.41014	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.97E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
155	0.38155	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.83E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
156	0.36852	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.77E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
157	0.35304	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.69E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
158	0.34146	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.64E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
159	0.3294	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.58E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
160	0.31902	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.53E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
161	0.30813	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.48E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
162	0.29879	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.43E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
163	0.28899	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
164	0.28054	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.35E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
165	0.27199	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.31E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
166	0.26403	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.27E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
167	0.25593	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.23E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
168	0.24903	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.19E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
169	0.24195	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.16E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
170	0.23465	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.13E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
171	0.22737	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.09E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
172	0.22157	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.06E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
173	0.21477	4.6E-04	9.9E-05	1090	1	0.96	1E-06	1.03E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
174	0.20877	4.6E-04	9.6E-05	1090	1	0.96	1E-06	1.00E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
175	0.20315	4.6E-04	9.3E-05	1090	1	0.96	1E-06	9.75E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
176	0.1972	4.6E-04	9.1E-05	1090	1	0.96	1E-06	9.46E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
177	0.19181	4.6E-04	8.8E-05	1090	1	0.96	1E-06	9.20E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
178	0.18707	4.6E-04	8.6E-05	1090	1	0.96	1E-06	8.98E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
179	0.18189	4.6E-04	8.4E-05	1090	1	0.96	1E-06	8.73E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
180	0.17692	4.6E-04	8.1E-05	1090	1	0.96	1E-06	8.49E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
181	0.47032	4.6E-04	2.2E-04	1090	1	0.96	1E-06	2.26E-07	1.1	10	0.96	70	0.85	2.9E-08	2.9E-02	
182	0.4528	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.17E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
183	0.4293	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.06E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
184	0.41322	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.98E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
185	0.38406	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.84E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
186	0.37087	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.78E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
187	0.35541	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.71E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
188	0.34346	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.65E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
189	0.33125	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.59E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
190	0.32076	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.54E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
191	0.30975	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.49E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
192	0.30031	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.44E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
193	0.29069	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
194	0.28189	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.35E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
195	0.27377	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.31E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
196	0.2652	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.27E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
197	0.25791	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.24E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
198	0.25012	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.20E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
199	0.24292	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.17E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
200	0.23555	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.13E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
201	0.2102	4.6E-04	9.6E-05	1090	1	0.96	1E-06	1.01E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
202	0.20383	4.6E-04	9.4E-05	1090	1	0.96	1E-06	9.78E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
203	0.19812	4.6E-04	9.1E-05	1090	1	0.96	1E-06	9.51E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
204	0.19315	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.27E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
205	0.18762	4.6E-04	8.6E-05	1090	1	0.96	1E-06	9.00E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
206	0.1824	4.6E-04	8.4E-05	1090	1	0.96	1E-06	8.75E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
207	0.17739	4.6E-04	8.1E-05	1090	1	0.96	1E-06	8.51E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
208	0.47425	4.6E-04	2.2E-04	1090	1	0.96	1E-06	2.28E-07	1.1	10	0.96	70	0.85	2.9E-08	2.9E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
209	0.45643	4.6E-04	2.1E-04	1090	1	0.96	1E-06	2.19E-07	1.1	10	0.96	70	0.85	2.8E-08	2.8E-02	
210	0.43332	4.6E-04	2.0E-04	1090	1	0.96	1E-06	2.08E-07	1.1	10	0.96	70	0.85	2.7E-08	2.7E-02	
211	0.41613	4.6E-04	1.9E-04	1090	1	0.96	1E-06	2.00E-07	1.1	10	0.96	70	0.85	2.6E-08	2.6E-02	
212	0.38645	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.85E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
213	0.37305	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.79E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
214	0.35719	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.71E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
215	0.34535	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.66E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
216	0.33301	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.60E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
217	0.3224	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.55E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
218	0.31206	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.50E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
219	0.30179	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.45E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
220	0.29269	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.40E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
221	0.28379	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.36E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
222	0.27496	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.32E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
223	0.26717	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.28E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
224	0.25894	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.24E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
225	0.25111	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.20E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
226	0.24386	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.17E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
227	0.23646	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.13E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
228	0.21086	4.6E-04	9.7E-05	1090	1	0.96	1E-06	1.01E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
229	0.20444	4.6E-04	9.4E-05	1090	1	0.96	1E-06	9.81E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
230	0.19951	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.57E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
231	0.19369	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.29E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
232	0.18812	4.6E-04	8.6E-05	1090	1	0.96	1E-06	9.03E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
233	0.18286	4.6E-04	8.4E-05	1090	1	0.96	1E-06	8.77E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
234	0.17844	4.6E-04	8.2E-05	1090	1	0.96	1E-06	8.56E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
235	3.2378	4.6E-04	1.5E-03	1090	1	0.96	1E-06	1.55E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	
236	3.56678	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.71E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
237	3.93071	4.6E-04	1.8E-03	1090	1	0.96	1E-06	1.89E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
238	4.32763	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.08E-06	1.1	10	0.96	70	0.85	2.7E-07	2.7E-01	
239	4.75431	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.28E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
240	5.20352	4.6E-04	2.4E-03	1090	1	0.96	1E-06	2.50E-06	1.1	10	0.96	70	0.85	3.2E-07	3.2E-01	
241	7.18756	4.6E-04	3.3E-03	1090	1	0.96	1E-06	3.45E-06	1.1	10	0.96	70	0.85	4.4E-07	4.4E-01	
242	6.78311	4.6E-04	3.1E-03	1090	1	0.96	1E-06	3.25E-06	1.1	10	0.96	70	0.85	4.2E-07	4.2E-01	
243	6.52431	4.6E-04	3.0E-03	1090	1	0.96	1E-06	3.13E-06	1.1	10	0.96	70	0.85	4.0E-07	4.0E-01	
244	6.1653	4.6E-04	2.8E-03	1090	1	0.96	1E-06	2.96E-06	1.1	10	0.96	70	0.85	3.8E-07	3.8E-01	
245	5.02479	4.6E-04	2.3E-03	1090	1	0.96	1E-06	2.41E-06	1.1	10	0.96	70	0.85	3.1E-07	3.1E-01	
246	4.45555	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.14E-06	1.1	10	0.96	70	0.85	2.7E-07	2.7E-01	
247	3.94193	4.6E-04	1.8E-03	1090	1	0.96	1E-06	1.89E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
248	3.4964	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.68E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
249	3.11423	4.6E-04	1.4E-03	1090	1	0.96	1E-06	1.49E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
250	2.78897	4.6E-04	1.3E-03	1090	1	0.96	1E-06	1.34E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
251	2.50993	4.6E-04	1.2E-03	1090	1	0.96	1E-06	1.20E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
252	2.27109	4.6E-04	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.96	70	0.85	1.4E-07	1.4E-01	
253	0.37516	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.80E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
254	0.35908	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.72E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
255	0.26818	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.29E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
256	0.25985	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.25E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
257	0.25261	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.21E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
258	0.24505	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.18E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
259	0.23751	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.14E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
260	0.23117	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.11E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
261	0.22396	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.07E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
262	0.21823	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
263	3.51616	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.69E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
264	3.91702	4.6E-04	1.8E-03	1090	1	0.96	1E-06	1.88E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
265	4.37067	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.10E-06	1.1	10	0.96	70	0.85	2.7E-07	2.7E-01	
266	4.87851	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.34E-06	1.1	10	0.96	70	0.85	3.0E-07	3.0E-01	
267	5.43895	4.6E-04	2.5E-03	1090	1	0.96	1E-06	2.61E-06	1.1	10	0.96	70	0.85	3.4E-07	3.4E-01	
268	6.04496	4.6E-04	2.8E-03	1090	1	0.96	1E-06	2.90E-06	1.1	10	0.96	70	0.85	3.7E-07	3.7E-01	
269	8.32796	4.6E-04	3.8E-03	1090	1	0.96	1E-06	4.00E-06	1.1	10	0.96	70	0.85	5.1E-07	5.1E-01	
270	7.93708	4.6E-04	3.6E-03	1090	1	0.96	1E-06	3.81E-06	1.1	10	0.96	70	0.85	4.9E-07	4.9E-01	
271	6.93232	4.6E-04	3.2E-03	1090	1	0.96	1E-06	3.33E-06	1.1	10	0.96	70	0.85	4.3E-07	4.3E-01	
272	5.66407	4.6E-04	2.6E-03	1090	1	0.96	1E-06	2.72E-06	1.1	10	0.96	70	0.85	3.5E-07	3.5E-01	
273	4.81274	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.31E-06	1.1	10	0.96	70	0.85	3.0E-07	3.0E-01	
274	4.20452	4.6E-04	1.9E-03	1090	1	0.96	1E-06	2.02E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
275	3.71115	4.6E-04	1.7E-03	1090	1	0.96	1E-06	1.78E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
276	3.26578	4.6E-04	1.5E-03	1090	1	0.96	1E-06	1.57E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	
277	2.91008	4.6E-04	1.3E-03	1090	1	0.96	1E-06	1.40E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
278	2.60823	4.6E-04	1.2E-03	1090	1	0.96	1E-06	1.25E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
279	2.35235	4.6E-04	1.1E-03	1090	1	0.96	1E-06	1.13E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
280	0.37706	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.81E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
281	0.36308	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.74E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
282	0.26908	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.29E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
283	0.26147	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.25E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
284	0.25341	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.22E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
285	0.24607	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.18E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
286	0.23854	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.14E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
287	0.23188	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.11E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
288	0.22462	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.08E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
289	0.21881	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
290	3.80744	4.6E-04	1.7E-03	1090	1	0.96	1E-06	1.83E-06	1.1	10	0.96	70	0.85	2.3E-07	2.3E-01	
291	4.29391	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.06E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
292	4.8594	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.33E-06	1.1	10	0.96	70	0.85	3.0E-07	3.0E-01	
293	5.51364	4.6E-04	2.5E-03	1090	1	0.96	1E-06	2.65E-06	1.1	10	0.96	70	0.85	3.4E-07	3.4E-01	
294	6.25802	4.6E-04	2.9E-03	1090	1	0.96	1E-06	3.00E-06	1.1	10	0.96	70	0.85	3.9E-07	3.9E-01	
295	7.09277	4.6E-04	3.3E-03	1090	1	0.96	1E-06	3.40E-06	1.1	10	0.96	70	0.85	4.4E-07	4.4E-01	
296	9.45037	4.6E-04	4.3E-03	1090	1	0.96	1E-06	4.53E-06	1.1	10	0.96	70	0.85	5.8E-07	5.8E-01	
297	9.03324	4.6E-04	4.1E-03	1090	1	0.96	1E-06	4.33E-06	1.1	10	0.96	70	0.85	5.6E-07	5.6E-01	
298	7.56693	4.6E-04	3.5E-03	1090	1	0.96	1E-06	3.63E-06	1.1	10	0.96	70	0.85	4.7E-07	4.7E-01	
299	6.03607	4.6E-04	2.8E-03	1090	1	0.96	1E-06	2.90E-06	1.1	10	0.96	70	0.85	3.7E-07	3.7E-01	
300	5.17619	4.6E-04	2.4E-03	1090	1	0.96	1E-06	2.48E-06	1.1	10	0.96	70	0.85	3.2E-07	3.2E-01	
301	4.47039	4.6E-04	2.1E-03	1090	1	0.96	1E-06	2.15E-06	1.1	10	0.96	70	0.85	2.8E-07	2.8E-01	
302	3.82768	4.6E-04	1.8E-03	1090	1	0.96	1E-06	1.84E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
303	3.41561	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.64E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
304	3.03098	4.6E-04	1.4E-03	1090	1	0.96	1E-06	1.45E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
305	2.70667	4.6E-04	1.2E-03	1090	1	0.96	1E-06	1.30E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
306	2.43199	4.6E-04	1.1E-03	1090	1	0.96	1E-06	1.17E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
307	0.59861	4.6E-04	2.7E-04	1090	1	0.96	1E-06	2.87E-07	1.1	10	0.96	70	0.85	3.7E-08	3.7E-02	
308	0.57247	4.6E-04	2.6E-04	1090	1	0.96	1E-06	2.75E-07	1.1	10	0.96	70	0.85	3.5E-08	3.5E-02	
309	0.37876	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.82E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
310	0.36574	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.75E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
311	0.2699	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.30E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
312	0.26221	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.26E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
313	0.2541	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.22E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
314	0.24701	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.19E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
315	0.23951	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.15E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
316	0.23251	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.12E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
317	0.22579	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.08E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
318	0.21931	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
319	4.10227	4.6E-04	1.9E-03	1090	1	0.96	1E-06	1.97E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
320	4.68612	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.25E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
321	5.38718	4.6E-04	2.5E-03	1090	1	0.96	1E-06	2.58E-06	1.1	10	0.96	70	0.85	3.3E-07	3.3E-01	
322	6.22589	4.6E-04	2.9E-03	1090	1	0.96	1E-06	2.99E-06	1.1	10	0.96	70	0.85	3.8E-07	3.8E-01	
323	7.22518	4.6E-04	3.3E-03	1090	1	0.96	1E-06	3.47E-06	1.1	10	0.96	70	0.85	4.5E-07	4.5E-01	
324	8.39251	4.6E-04	3.9E-03	1090	1	0.96	1E-06	4.03E-06	1.1	10	0.96	70	0.85	5.2E-07	5.2E-01	
325	11.24404	4.6E-04	5.2E-03	1090	1	0.96	1E-06	5.40E-06	1.1	10	0.96	70	0.85	6.9E-07	6.9E-01	
326	9.41497	4.6E-04	4.3E-03	1090	1	0.96	1E-06	4.52E-06	1.1	10	0.96	70	0.85	5.8E-07	5.8E-01	
327	7.95533	4.6E-04	3.7E-03	1090	1	0.96	1E-06	3.82E-06	1.1	10	0.96	70	0.85	4.9E-07	4.9E-01	
328	6.55031	4.6E-04	3.0E-03	1090	1	0.96	1E-06	3.14E-06	1.1	10	0.96	70	0.85	4.0E-07	4.0E-01	
329	5.54279	4.6E-04	2.5E-03	1090	1	0.96	1E-06	2.66E-06	1.1	10	0.96	70	0.85	3.4E-07	3.4E-01	
330	4.73155	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.27E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
331	4.08865	4.6E-04	1.9E-03	1090	1	0.96	1E-06	1.96E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
332	3.54644	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.70E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
333	3.14983	4.6E-04	1.4E-03	1090	1	0.96	1E-06	1.51E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
334	2.80229	4.6E-04	1.3E-03	1090	1	0.96	1E-06	1.34E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
335	2.50957	4.6E-04	1.2E-03	1090	1	0.96	1E-06	1.20E-06	1.1	10	0.96	70	0.85	1.5E-07	1.5E-01	
336	0.60282	4.6E-04	2.8E-04	1090	1	0.96	1E-06	2.89E-07	1.1	10	0.96	70	0.85	3.7E-08	3.7E-02	
337	0.57629	4.6E-04	2.6E-04	1090	1	0.96	1E-06	2.77E-07	1.1	10	0.96	70	0.85	3.6E-08	3.6E-02	
338	0.39562	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.90E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
339	0.36811	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.77E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
340	0.22619	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.09E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
341	0.21972	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
342	4.38948	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.11E-06	1.1	10	0.96	70	0.85	2.7E-07	2.7E-01	
343	5.07919	4.6E-04	2.3E-03	1090	1	0.96	1E-06	2.44E-06	1.1	10	0.96	70	0.85	3.1E-07	3.1E-01	
344	5.93393	4.6E-04	2.7E-03	1090	1	0.96	1E-06	2.85E-06	1.1	10	0.96	70	0.85	3.7E-07	3.7E-01	
345	7.00004	4.6E-04	3.2E-03	1090	1	0.96	1E-06	3.36E-06	1.1	10	0.96	70	0.85	4.3E-07	4.3E-01	
346	8.33258	4.6E-04	3.8E-03	1090	1	0.96	1E-06	4.00E-06	1.1	10	0.96	70	0.85	5.1E-07	5.1E-01	
347	9.98221	4.6E-04	4.6E-03	1090	1	0.96	1E-06	4.79E-06	1.1	10	0.96	70	0.85	6.2E-07	6.2E-01	
348	16.41979	4.6E-04	7.5E-03	1090	1	0.96	1E-06	7.88E-06	1.1	10	0.96	70	0.85	1.0E-06	1.0E+00	
349	13.35444	4.6E-04	6.1E-03	1090	1	0.96	1E-06	6.41E-06	1.1	10	0.96	70	0.85	8.2E-07	8.2E-01	
350	10.71305	4.6E-04	4.9E-03	1090	1	0.96	1E-06	5.14E-06	1.1	10	0.96	70	0.85	6.6E-07	6.6E-01	
351	8.63697	4.6E-04	4.0E-03	1090	1	0.96	1E-06	4.14E-06	1.1	10	0.96	70	0.85	5.3E-07	5.3E-01	
352	7.07617	4.6E-04	3.2E-03	1090	1	0.96	1E-06	3.40E-06	1.1	10	0.96	70	0.85	4.4E-07	4.4E-01	
353	5.90158	4.6E-04	2.7E-03	1090	1	0.96	1E-06	2.83E-06	1.1	10	0.96	70	0.85	3.6E-07	3.6E-01	
354	4.99146	4.6E-04	2.3E-03	1090	1	0.96	1E-06	2.40E-06	1.1	10	0.96	70	0.85	3.1E-07	3.1E-01	
355	4.28147	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.05E-06	1.1	10	0.96	70	0.85	2.6E-07	2.6E-01	
356	3.49301	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.68E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
357	3.25845	4.6E-04	1.5E-03	1090	1	0.96	1E-06	1.56E-06	1.1	10	0.96	70	0.85	2.0E-07	2.0E-01	
358	2.8918	4.6E-04	1.3E-03	1090	1	0.96	1E-06	1.39E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
359	2.58205	4.6E-04	1.2E-03	1090	1	0.96	1E-06	1.24E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
360	0.82003	4.6E-04	3.8E-04	1090	1	0.96	1E-06	3.93E-07	1.1	10	0.96	70	0.85	5.1E-08	5.1E-02	
361	0.77668	4.6E-04	3.6E-04	1090	1	0.96	1E-06	3.73E-07	1.1	10	0.96	70	0.85	4.8E-08	4.8E-02	
362	0.60644	4.6E-04	2.8E-04	1090	1	0.96	1E-06	2.91E-07	1.1	10	0.96	70	0.85	3.7E-08	3.7E-02	
363	0.57957	4.6E-04	2.7E-04	1090	1	0.96	1E-06	2.78E-07	1.1	10	0.96	70	0.85	3.6E-08	3.6E-02	
364	0.39703	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.91E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
365	0.38325	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.84E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
366	0.30916	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.48E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
367	0.29965	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.44E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
368	0.28967	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
369	0.22588	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.08E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
370	0.21955	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
371	0.21303	4.6E-04	9.8E-05	1090	1	0.96	1E-06	1.02E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
372	0.20642	4.6E-04	9.5E-05	1090	1	0.96	1E-06	9.90E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
373	0.20016	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.60E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
374	0.19497	4.6E-04	9.0E-05	1090	1	0.96	1E-06	9.36E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
375	0.1896	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.10E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
376	0.18417	4.6E-04	8.5E-05	1090	1	0.96	1E-06	8.84E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
377	0.17987	4.6E-04	8.3E-05	1090	1	0.96	1E-06	8.63E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
378	4.65465	4.6E-04	2.1E-03	1090	1	0.96	1E-06	2.23E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
379	5.45181	4.6E-04	2.5E-03	1090	1	0.96	1E-06	2.62E-06	1.1	10	0.96	70	0.85	3.4E-07	3.4E-01	
380	6.4725	4.6E-04	3.0E-03	1090	1	0.96	1E-06	3.11E-06	1.1	10	0.96	70	0.85	4.0E-07	4.0E-01	
381	7.7976	4.6E-04	3.6E-03	1090	1	0.96	1E-06	3.74E-06	1.1	10	0.96	70	0.85	4.8E-07	4.8E-01	
382	9.54266	4.6E-04	4.4E-03	1090	1	0.96	1E-06	4.58E-06	1.1	10	0.96	70	0.85	5.9E-07	5.9E-01	
383	11.85967	4.6E-04	5.4E-03	1090	1	0.96	1E-06	5.69E-06	1.1	10	0.96	70	0.85	7.3E-07	7.3E-01	
384	20.67767	4.6E-04	9.5E-03	1090	1	0.96	1E-06	9.92E-06	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
385	15.7051	4.6E-04	7.2E-03	1090	1	0.96	1E-06	7.54E-06	1.1	10	0.96	70	0.85	9.7E-07	9.7E-01	
386	12.04277	4.6E-04	5.5E-03	1090	1	0.96	1E-06	5.78E-06	1.1	10	0.96	70	0.85	7.4E-07	7.4E-01	
387	9.433	4.6E-04	4.3E-03	1090	1	0.96	1E-06	4.53E-06	1.1	10	0.96	70	0.85	5.8E-07	5.8E-01	
388	7.5909	4.6E-04	3.5E-03	1090	1	0.96	1E-06	3.64E-06	1.1	10	0.96	70	0.85	4.7E-07	4.7E-01	
389	6.24334	4.6E-04	2.9E-03	1090	1	0.96	1E-06	3.00E-06	1.1	10	0.96	70	0.85	3.9E-07	3.9E-01	
390	5.23551	4.6E-04	2.4E-03	1090	1	0.96	1E-06	2.51E-06	1.1	10	0.96	70	0.85	3.2E-07	3.2E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
391	4.46134	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.14E-06	1.1	10	0.96	70	0.85	2.8E-07	2.8E-01	
392	3.85329	4.6E-04	1.8E-03	1090	1	0.96	1E-06	1.85E-06	1.1	10	0.96	70	0.85	2.4E-07	2.4E-01	
393	3.36716	4.6E-04	1.5E-03	1090	1	0.96	1E-06	1.62E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
394	2.97404	4.6E-04	1.4E-03	1090	1	0.96	1E-06	1.43E-06	1.1	10	0.96	70	0.85	1.8E-07	1.8E-01	
395	2.64726	4.6E-04	1.2E-03	1090	1	0.96	1E-06	1.27E-06	1.1	10	0.96	70	0.85	1.6E-07	1.6E-01	
396	0.8258	4.6E-04	3.8E-04	1090	1	0.96	1E-06	3.96E-07	1.1	10	0.96	70	0.85	5.1E-08	5.1E-02	
397	0.78181	4.6E-04	3.6E-04	1090	1	0.96	1E-06	3.75E-07	1.1	10	0.96	70	0.85	4.8E-08	4.8E-02	
398	0.60943	4.6E-04	2.8E-04	1090	1	0.96	1E-06	2.92E-07	1.1	10	0.96	70	0.85	3.8E-08	3.8E-02	
399	0.5823	4.6E-04	2.7E-04	1090	1	0.96	1E-06	2.79E-07	1.1	10	0.96	70	0.85	3.6E-08	3.6E-02	
400	0.40024	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.92E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
401	0.38431	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.84E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
402	0.30975	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.49E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
403	0.30016	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.44E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
404	0.29018	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
405	0.22607	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.08E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
406	0.21879	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
407	0.2121	4.6E-04	9.7E-05	1090	1	0.96	1E-06	1.02E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
408	0.20652	4.6E-04	9.5E-05	1090	1	0.96	1E-06	9.91E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
409	0.20028	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.61E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
410	0.19432	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.32E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
411	0.18967	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.10E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
412	0.18422	4.6E-04	8.5E-05	1090	1	0.96	1E-06	8.84E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
413	0.17991	4.6E-04	8.3E-05	1090	1	0.96	1E-06	8.63E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
414	4.88004	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.34E-06	1.1	10	0.96	70	0.85	3.0E-07	3.0E-01	
415	5.77641	4.6E-04	2.7E-03	1090	1	0.96	1E-06	2.77E-06	1.1	10	0.96	70	0.85	3.6E-07	3.6E-01	
416	6.95567	4.6E-04	3.2E-03	1090	1	0.96	1E-06	3.34E-06	1.1	10	0.96	70	0.85	4.3E-07	4.3E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
417	8.54735	4.6E-04	3.9E-03	1090	1	0.96	1E-06	4.10E-06	1.1	10	0.96	70	0.85	5.3E-07	5.3E-01	
418	10.75591	4.6E-04	4.9E-03	1090	1	0.96	1E-06	5.16E-06	1.1	10	0.96	70	0.85	6.6E-07	6.6E-01	
419	13.9119	4.6E-04	6.4E-03	1090	1	0.96	1E-06	6.68E-06	1.1	10	0.96	70	0.85	8.6E-07	8.6E-01	
420	50.39874	4.6E-04	2.3E-02	1090	1	0.96	1E-06	2.42E-05	1.1	10	0.96	70	0.85	3.1E-06	3.1E+00	
421	37.21175	4.6E-04	1.7E-02	1090	1	0.96	1E-06	1.79E-05	1.1	10	0.96	70	0.85	2.3E-06	2.3E+00	
422	25.751	4.6E-04	1.2E-02	1090	1	0.96	1E-06	1.24E-05	1.1	10	0.96	70	0.85	1.6E-06	1.6E+00	
423	18.13782	4.6E-04	8.3E-03	1090	1	0.96	1E-06	8.70E-06	1.1	10	0.96	70	0.85	1.1E-06	1.1E+00	
424	13.32213	4.6E-04	6.1E-03	1090	1	0.96	1E-06	6.39E-06	1.1	10	0.96	70	0.85	8.2E-07	8.2E-01	
425	10.17377	4.6E-04	4.7E-03	1090	1	0.96	1E-06	4.88E-06	1.1	10	0.96	70	0.85	6.3E-07	6.3E-01	
426	8.06102	4.6E-04	3.7E-03	1090	1	0.96	1E-06	3.87E-06	1.1	10	0.96	70	0.85	5.0E-07	5.0E-01	
427	6.55537	4.6E-04	3.0E-03	1090	1	0.96	1E-06	3.15E-06	1.1	10	0.96	70	0.85	4.0E-07	4.0E-01	
428	5.45596	4.6E-04	2.5E-03	1090	1	0.96	1E-06	2.62E-06	1.1	10	0.96	70	0.85	3.4E-07	3.4E-01	
429	4.62081	4.6E-04	2.1E-03	1090	1	0.96	1E-06	2.22E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
430	3.97181	4.6E-04	1.8E-03	1090	1	0.96	1E-06	1.91E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
431	3.45763	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.66E-06	1.1	10	0.96	70	0.85	2.1E-07	2.1E-01	
432	3.04198	4.6E-04	1.4E-03	1090	1	0.96	1E-06	1.46E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
433	2.70153	4.6E-04	1.2E-03	1090	1	0.96	1E-06	1.30E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
434	0.83032	4.6E-04	3.8E-04	1090	1	0.96	1E-06	3.98E-07	1.1	10	0.96	70	0.85	5.1E-08	5.1E-02	
435	0.78585	4.6E-04	3.6E-04	1090	1	0.96	1E-06	3.77E-07	1.1	10	0.96	70	0.85	4.8E-08	4.8E-02	
436	0.64127	4.6E-04	2.9E-04	1090	1	0.96	1E-06	3.08E-07	1.1	10	0.96	70	0.85	4.0E-08	4.0E-02	
437	0.61176	4.6E-04	2.8E-04	1090	1	0.96	1E-06	2.94E-07	1.1	10	0.96	70	0.85	3.8E-08	3.8E-02	
438	0.58443	4.6E-04	2.7E-04	1090	1	0.96	1E-06	2.80E-07	1.1	10	0.96	70	0.85	3.6E-08	3.6E-02	
439	0.407	4.6E-04	1.9E-04	1090	1	0.96	1E-06	1.95E-07	1.1	10	0.96	70	0.85	2.5E-08	2.5E-02	
440	0.38511	4.6E-04	1.8E-04	1090	1	0.96	1E-06	1.85E-07	1.1	10	0.96	70	0.85	2.4E-08	2.4E-02	
441	0.31016	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.49E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
442	0.30005	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.44E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
443	0.29052	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
444	0.28097	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.35E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
445	0.27274	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.31E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
446	0.26401	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.27E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
447	0.2571	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.23E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
448	0.24751	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.19E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
449	0.24031	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.15E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
450	0.23308	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.12E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
451	0.2262	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.09E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
452	0.21889	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
453	0.2119	4.6E-04	9.7E-05	1090	1	0.96	1E-06	1.02E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
454	0.20559	4.6E-04	9.4E-05	1090	1	0.96	1E-06	9.86E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
455	0.20031	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.61E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
456	0.19429	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.32E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
457	0.18967	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.10E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
458	0.1842	4.6E-04	8.5E-05	1090	1	0.96	1E-06	8.84E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
459	0.17941	4.6E-04	8.2E-05	1090	1	0.96	1E-06	8.61E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
460	5.04719	4.6E-04	2.3E-03	1090	1	0.96	1E-06	2.42E-06	1.1	10	0.96	70	0.85	3.1E-07	3.1E-01	
461	6.0267	4.6E-04	2.8E-03	1090	1	0.96	1E-06	2.89E-06	1.1	10	0.96	70	0.85	3.7E-07	3.7E-01	
462	7.34	4.6E-04	3.4E-03	1090	1	0.96	1E-06	3.52E-06	1.1	10	0.96	70	0.85	4.5E-07	4.5E-01	
463	9.1656	4.6E-04	4.2E-03	1090	1	0.96	1E-06	4.40E-06	1.1	10	0.96	70	0.85	5.7E-07	5.7E-01	
464	11.80608	4.6E-04	5.4E-03	1090	1	0.96	1E-06	5.67E-06	1.1	10	0.96	70	0.85	7.3E-07	7.3E-01	
465	15.84495	4.6E-04	7.3E-03	1090	1	0.96	1E-06	7.60E-06	1.1	10	0.96	70	0.85	9.8E-07	9.8E-01	
466	93.27452	4.6E-04	4.3E-02	1090	1	0.96	1E-06	4.48E-05	1.1	10	0.96	70	0.85	5.8E-06	5.8E+00	
467	51.92531	4.6E-04	2.4E-02	1090	1	0.96	1E-06	2.49E-05	1.1	10	0.96	70	0.85	3.2E-06	3.2E+00	
468	30.99081	4.6E-04	1.4E-02	1090	1	0.96	1E-06	1.49E-05	1.1	10	0.96	70	0.85	1.9E-06	1.9E+00	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
469	20.35874	4.6E-04	9.3E-03	1090	1	0.96	1E-06	9.77E-06	1.1	10	0.96	70	0.85	1.3E-06	1.3E+00	
470	14.43183	4.6E-04	6.6E-03	1090	1	0.96	1E-06	6.92E-06	1.1	10	0.96	70	0.85	8.9E-07	8.9E-01	
471	10.80802	4.6E-04	5.0E-03	1090	1	0.96	1E-06	5.19E-06	1.1	10	0.96	70	0.85	6.7E-07	6.7E-01	
472	8.45272	4.6E-04	3.9E-03	1090	1	0.96	1E-06	4.06E-06	1.1	10	0.96	70	0.85	5.2E-07	5.2E-01	
473	6.81475	4.6E-04	3.1E-03	1090	1	0.96	1E-06	3.27E-06	1.1	10	0.96	70	0.85	4.2E-07	4.2E-01	
474	5.63183	4.6E-04	2.6E-03	1090	1	0.96	1E-06	2.70E-06	1.1	10	0.96	70	0.85	3.5E-07	3.5E-01	
475	4.74674	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.28E-06	1.1	10	0.96	70	0.85	2.9E-07	2.9E-01	
476	4.06396	4.6E-04	1.9E-03	1090	1	0.96	1E-06	1.95E-06	1.1	10	0.96	70	0.85	2.5E-07	2.5E-01	
477	3.52662	4.6E-04	1.6E-03	1090	1	0.96	1E-06	1.69E-06	1.1	10	0.96	70	0.85	2.2E-07	2.2E-01	
478	3.09474	4.6E-04	1.4E-03	1090	1	0.96	1E-06	1.48E-06	1.1	10	0.96	70	0.85	1.9E-07	1.9E-01	
479	2.74244	4.6E-04	1.3E-03	1090	1	0.96	1E-06	1.32E-06	1.1	10	0.96	70	0.85	1.7E-07	1.7E-01	
480	0.64308	4.6E-04	3.0E-04	1090	1	0.96	1E-06	3.09E-07	1.1	10	0.96	70	0.85	4.0E-08	4.0E-02	
481	0.61339	4.6E-04	2.8E-04	1090	1	0.96	1E-06	2.94E-07	1.1	10	0.96	70	0.85	3.8E-08	3.8E-02	
482	0.5859	4.6E-04	2.7E-04	1090	1	0.96	1E-06	2.81E-07	1.1	10	0.96	70	0.85	3.6E-08	3.6E-02	
483	0.3104	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.49E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
484	0.30026	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.44E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
485	0.29071	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
486	0.28113	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.35E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
487	0.27289	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.31E-07	1.1	10	0.96	70	0.85	1.7E-08	1.7E-02	
488	0.2642	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.27E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
489	0.25717	4.6E-04	1.2E-04	1090	1	0.96	1E-06	1.23E-07	1.1	10	0.96	70	0.85	1.6E-08	1.6E-02	
490	0.24771	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.19E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
491	0.24033	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.15E-07	1.1	10	0.96	70	0.85	1.5E-08	1.5E-02	
492	0.23248	4.6E-04	1.1E-04	1090	1	0.96	1E-06	1.12E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
493	0.2254	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.08E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	
494	0.21889	4.6E-04	1.0E-04	1090	1	0.96	1E-06	1.05E-07	1.1	10	0.96	70	0.85	1.4E-08	1.4E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
495	0.21187	4.6E-04	9.7E-05	1090	1	0.96	1E-06	1.02E-07	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
496	0.20529	4.6E-04	9.4E-05	1090	1	0.96	1E-06	9.85E-08	1.1	10	0.96	70	0.85	1.3E-08	1.3E-02	
497	0.20026	4.6E-04	9.2E-05	1090	1	0.96	1E-06	9.61E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
498	0.19422	4.6E-04	8.9E-05	1090	1	0.96	1E-06	9.32E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
499	0.1896	4.6E-04	8.7E-05	1090	1	0.96	1E-06	9.10E-08	1.1	10	0.96	70	0.85	1.2E-08	1.2E-02	
500	0.18411	4.6E-04	8.5E-05	1090	1	0.96	1E-06	8.83E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
501	0.17957	4.6E-04	8.2E-05	1090	1	0.96	1E-06	8.62E-08	1.1	10	0.96	70	0.85	1.1E-08	1.1E-02	
502	5.14418	4.6E-04	2.4E-03	1090	1	0.96	1E-06	2.47E-06	1.1	10	0.96	70	0.85	3.2E-07	3.2E-01	
503	6.17411	4.6E-04	2.8E-03	1090	1	0.96	1E-06	2.96E-06	1.1	10	0.96	70	0.85	3.8E-07	3.8E-01	
504	0.67623	4.6E-04	3.1E-04	1090	1	0.96	1E-06	3.24E-07	1.1	10	0.96	70	0.85	4.2E-08	4.2E-02	
505	0.64408	4.6E-04	3.0E-04	1090	1	0.96	1E-06	3.09E-07	1.1	10	0.96	70	0.85	4.0E-08	4.0E-02	
506	0.61429	4.6E-04	2.8E-04	1090	1	0.96	1E-06	2.95E-07	1.1	10	0.96	70	0.85	3.8E-08	3.8E-02	
507	0.58672	4.6E-04	2.7E-04	1090	1	0.96	1E-06	2.82E-07	1.1	10	0.96	70	0.85	3.6E-08	3.6E-02	
508	0.56106	4.6E-04	2.6E-04	1090	1	0.96	1E-06	2.69E-07	1.1	10	0.96	70	0.85	3.5E-08	3.5E-02	
509	0.29074	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.40E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
510	5.10292	4.6E-04	2.3E-03	1090	1	0.96	1E-06	2.45E-06	1.1	10	0.96	70	0.85	3.1E-07	3.1E-01	
511	6.20185	4.6E-04	2.8E-03	1090	1	0.96	1E-06	2.98E-06	1.1	10	0.96	70	0.85	3.8E-07	3.8E-01	
512	0.67644	4.6E-04	3.1E-04	1090	1	0.96	1E-06	3.25E-07	1.1	10	0.96	70	0.85	4.2E-08	4.2E-02	
513	0.64426	4.6E-04	3.0E-04	1090	1	0.96	1E-06	3.09E-07	1.1	10	0.96	70	0.85	4.0E-08	4.0E-02	
514	0.61445	4.6E-04	2.8E-04	1090	1	0.96	1E-06	2.95E-07	1.1	10	0.96	70	0.85	3.8E-08	3.8E-02	
515	0.58687	4.6E-04	2.7E-04	1090	1	0.96	1E-06	2.82E-07	1.1	10	0.96	70	0.85	3.6E-08	3.6E-02	
516	0.56121	4.6E-04	2.6E-04	1090	1	0.96	1E-06	2.69E-07	1.1	10	0.96	70	0.85	3.5E-08	3.5E-02	
517	0.2906	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
518	4.80074	4.6E-04	2.2E-03	1090	1	0.96	1E-06	2.30E-06	1.1	10	0.96	70	0.85	3.0E-07	3.0E-01	
519	6.10635	4.6E-04	2.8E-03	1090	1	0.96	1E-06	2.93E-06	1.1	10	0.96	70	0.85	3.8E-07	3.8E-01	
520	0.64361	4.6E-04	3.0E-04	1090	1	0.96	1E-06	3.09E-07	1.1	10	0.96	70	0.85	4.0E-08	4.0E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
521	0.61389	4.6E-04	2.8E-04	1090	1	0.96	1E-06	2.95E-07	1.1	10	0.96	70	0.85	3.8E-08	3.8E-02	
522	0.58634	4.6E-04	2.7E-04	1090	1	0.96	1E-06	2.81E-07	1.1	10	0.96	70	0.85	3.6E-08	3.6E-02	
523	0.56075	4.6E-04	2.6E-04	1090	1	0.96	1E-06	2.69E-07	1.1	10	0.96	70	0.85	3.5E-08	3.5E-02	
524	0.29031	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
525	4.45472	4.6E-04	2.0E-03	1090	1	0.96	1E-06	2.14E-06	1.1	10	0.96	70	0.85	2.7E-07	2.7E-01	
526	5.47601	4.6E-04	2.5E-03	1090	1	0.96	1E-06	2.63E-06	1.1	10	0.96	70	0.85	3.4E-07	3.4E-01	
527	0.28987	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
528	0.37887	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.82E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
529	0.35874	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.72E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
530	0.34622	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.66E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
531	0.32205	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.55E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
532	0.30937	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.48E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
533	0.29937	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.44E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
534	0.28929	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.39E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
535	0.3779	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.81E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
536	0.35781	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.72E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
537	0.34614	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.66E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
538	0.3212	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.54E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
539	0.30856	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.48E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
540	0.29862	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.43E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
541	0.28857	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.38E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
542	0.37667	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.81E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
543	0.35665	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.71E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
544	0.34507	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.66E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
545	0.32018	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.54E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
546	0.31013	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.49E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
547	0.29772	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.43E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
548	0.2879	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.38E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
549	0.3752	4.6E-04	1.7E-04	1090	1	0.96	1E-06	1.80E-07	1.1	10	0.96	70	0.85	2.3E-08	2.3E-02	
550	0.35727	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.71E-07	1.1	10	0.96	70	0.85	2.2E-08	2.2E-02	
551	0.34379	4.6E-04	1.6E-04	1090	1	0.96	1E-06	1.65E-07	1.1	10	0.96	70	0.85	2.1E-08	2.1E-02	
552	0.319	4.6E-04	1.5E-04	1090	1	0.96	1E-06	1.53E-07	1.1	10	0.96	70	0.85	2.0E-08	2.0E-02	
553	0.3091	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.48E-07	1.1	10	0.96	70	0.85	1.9E-08	1.9E-02	
554	0.29669	4.6E-04	1.4E-04	1090	1	0.96	1E-06	1.42E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
555	0.28782	4.6E-04	1.3E-04	1090	1	0.96	1E-06	1.38E-07	1.1	10	0.96	70	0.85	1.8E-08	1.8E-02	
556	0.537	4.6E-04	2.5E-04	1090	1	0.96	1E-06	2.58E-07	1.1	10	0.96	70	0.85	3.3E-08	3.3E-02	
557	0.51479	4.6E-04	2.4E-04	1090	1	0.96	1E-06	2.47E-07	1.1	10	0.96	70	0.85	3.2E-08	3.2E-02	
558	0.53588	4.6E-04	2.5E-04	1090	1	0.96	1E-06	2.57E-07	1.1	10	0.96	70	0.85	3.3E-08	3.3E-02	
559	0.5138	4.6E-04	2.4E-04	1090	1	0.96	1E-06	2.47E-07	1.1	10	0.96	70	0.85	3.2E-08	3.2E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
1	2.03E-04	5	4.06E-05	8.56E-03
2	1.93E-04	5	3.87E-05	
3	1.81E-04	5	3.62E-05	
4	1.75E-04	5	3.50E-05	
5	1.68E-04	5	3.35E-05	
6	1.62E-04	5	3.24E-05	
7	1.56E-04	5	3.13E-05	
8	1.51E-04	5	3.03E-05	
9	1.46E-04	5	2.92E-05	
10	1.42E-04	5	2.83E-05	
11	1.37E-04	5	2.74E-05	
12	1.33E-04	5	2.66E-05	
13	1.29E-04	5	2.58E-05	
14	1.25E-04	5	2.50E-05	
15	1.21E-04	5	2.43E-05	
16	1.18E-04	5	2.36E-05	
17	1.14E-04	5	2.28E-05	
18	1.11E-04	5	2.22E-05	
19	1.08E-04	5	2.16E-05	
20	1.05E-04	5	2.09E-05	
21	1.02E-04	5	2.03E-05	
22	9.90E-05	5	1.98E-05	
23	9.60E-05	5	1.92E-05	
24	9.34E-05	5	1.87E-05	
25	9.09E-05	5	1.82E-05	
26	8.84E-05	5	1.77E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
27	8.59E-05	5	1.72E-05	
28	8.36E-05	5	1.67E-05	
29	8.17E-05	5	1.63E-05	
30	7.95E-05	5	1.59E-05	
31	2.05E-04	5	4.11E-05	
32	1.95E-04	5	3.90E-05	
33	1.83E-04	5	3.65E-05	
34	1.76E-04	5	3.52E-05	
35	1.69E-04	5	3.38E-05	
36	1.63E-04	5	3.26E-05	
37	1.57E-04	5	3.15E-05	
38	1.52E-04	5	3.05E-05	
39	1.47E-04	5	2.94E-05	
40	1.43E-04	5	2.85E-05	
41	1.38E-04	5	2.76E-05	
42	1.34E-04	5	2.68E-05	
43	1.30E-04	5	2.60E-05	
44	1.26E-04	5	2.52E-05	
45	1.22E-04	5	2.44E-05	
46	1.19E-04	5	2.37E-05	
47	1.15E-04	5	2.30E-05	
48	1.12E-04	5	2.23E-05	
49	1.09E-04	5	2.17E-05	
50	1.05E-04	5	2.10E-05	
51	1.02E-04	5	2.05E-05	
52	9.94E-05	5	1.99E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
53	9.64E-05	5	1.93E-05	
54	9.38E-05	5	1.88E-05	
55	9.13E-05	5	1.83E-05	
56	8.87E-05	5	1.77E-05	
57	8.63E-05	5	1.73E-05	
58	8.42E-05	5	1.68E-05	
59	8.20E-05	5	1.64E-05	
60	7.98E-05	5	1.60E-05	
61	2.08E-04	5	4.15E-05	
62	1.97E-04	5	3.94E-05	
63	1.85E-04	5	3.70E-05	
64	1.78E-04	5	3.55E-05	
65	1.70E-04	5	3.41E-05	
66	1.64E-04	5	3.29E-05	
67	1.59E-04	5	3.18E-05	
68	1.53E-04	5	3.07E-05	
69	1.48E-04	5	2.97E-05	
70	1.43E-04	5	2.87E-05	
71	1.39E-04	5	2.78E-05	
72	1.35E-04	5	2.70E-05	
73	1.31E-04	5	2.61E-05	
74	1.27E-04	5	2.54E-05	
75	1.23E-04	5	2.46E-05	
76	1.19E-04	5	2.39E-05	
77	1.16E-04	5	2.32E-05	
78	1.12E-04	5	2.24E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
79	1.09E-04	5	2.18E-05	
80	1.06E-04	5	2.12E-05	
81	1.03E-04	5	2.06E-05	
82	9.99E-05	5	2.00E-05	
83	9.71E-05	5	1.94E-05	
84	9.45E-05	5	1.89E-05	
85	9.17E-05	5	1.83E-05	
86	8.91E-05	5	1.78E-05	
87	8.68E-05	5	1.74E-05	
88	8.46E-05	5	1.69E-05	
89	8.23E-05	5	1.65E-05	
90	8.01E-05	5	1.60E-05	
91	2.10E-04	5	4.20E-05	
92	1.99E-04	5	3.98E-05	
93	1.92E-04	5	3.84E-05	
94	1.79E-04	5	3.58E-05	
95	1.73E-04	5	3.45E-05	
96	1.65E-04	5	3.31E-05	
97	1.60E-04	5	3.20E-05	
98	1.54E-04	5	3.09E-05	
99	1.49E-04	5	2.99E-05	
100	1.44E-04	5	2.89E-05	
101	1.40E-04	5	2.80E-05	
102	1.36E-04	5	2.71E-05	
103	1.31E-04	5	2.63E-05	
104	1.27E-04	5	2.55E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
105	1.23E-04	5	2.47E-05	
106	1.20E-04	5	2.40E-05	
107	1.16E-04	5	2.33E-05	
108	1.13E-04	5	2.25E-05	
109	1.10E-04	5	2.20E-05	
110	1.06E-04	5	2.13E-05	
111	1.04E-04	5	2.07E-05	
112	1.00E-04	5	2.01E-05	
113	9.78E-05	5	1.96E-05	
114	9.49E-05	5	1.90E-05	
115	9.21E-05	5	1.84E-05	
116	8.96E-05	5	1.79E-05	
117	8.73E-05	5	1.75E-05	
118	8.49E-05	5	1.70E-05	
119	8.26E-05	5	1.65E-05	
120	8.07E-05	5	1.61E-05	
121	2.12E-04	5	4.24E-05	
122	2.02E-04	5	4.03E-05	
123	1.94E-04	5	3.87E-05	
124	1.81E-04	5	3.61E-05	
125	1.74E-04	5	3.48E-05	
126	1.68E-04	5	3.36E-05	
127	1.61E-04	5	3.22E-05	
128	1.56E-04	5	3.12E-05	
129	1.50E-04	5	3.01E-05	
130	1.46E-04	5	2.91E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
131	1.41E-04	5	2.81E-05	
132	1.36E-04	5	2.73E-05	
133	1.32E-04	5	2.64E-05	
134	1.28E-04	5	2.56E-05	
135	1.24E-04	5	2.48E-05	
136	1.21E-04	5	2.41E-05	
137	1.17E-04	5	2.34E-05	
138	1.14E-04	5	2.28E-05	
139	1.11E-04	5	2.21E-05	
140	1.07E-04	5	2.14E-05	
141	1.04E-04	5	2.08E-05	
142	1.01E-04	5	2.02E-05	
143	9.82E-05	5	1.96E-05	
144	9.52E-05	5	1.90E-05	
145	9.27E-05	5	1.85E-05	
146	9.02E-05	5	1.80E-05	
147	8.76E-05	5	1.75E-05	
148	8.52E-05	5	1.70E-05	
149	8.32E-05	5	1.66E-05	
150	8.10E-05	5	1.62E-05	
151	2.14E-04	5	4.28E-05	
152	2.06E-04	5	4.12E-05	
153	1.95E-04	5	3.90E-05	
154	1.88E-04	5	3.77E-05	
155	1.75E-04	5	3.50E-05	
156	1.69E-04	5	3.38E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
157	1.62E-04	5	3.24E-05	
158	1.57E-04	5	3.14E-05	
159	1.51E-04	5	3.02E-05	
160	1.46E-04	5	2.93E-05	
161	1.41E-04	5	2.83E-05	
162	1.37E-04	5	2.74E-05	
163	1.33E-04	5	2.65E-05	
164	1.29E-04	5	2.58E-05	
165	1.25E-04	5	2.50E-05	
166	1.21E-04	5	2.42E-05	
167	1.17E-04	5	2.35E-05	
168	1.14E-04	5	2.29E-05	
169	1.11E-04	5	2.22E-05	
170	1.08E-04	5	2.15E-05	
171	1.04E-04	5	2.09E-05	
172	1.02E-04	5	2.03E-05	
173	9.86E-05	5	1.97E-05	
174	9.58E-05	5	1.92E-05	
175	9.33E-05	5	1.87E-05	
176	9.05E-05	5	1.81E-05	
177	8.81E-05	5	1.76E-05	
178	8.59E-05	5	1.72E-05	
179	8.35E-05	5	1.67E-05	
180	8.12E-05	5	1.62E-05	
181	2.16E-04	5	4.32E-05	
182	2.08E-04	5	4.16E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
183	1.97E-04	5	3.94E-05	
184	1.90E-04	5	3.79E-05	
185	1.76E-04	5	3.53E-05	
186	1.70E-04	5	3.41E-05	
187	1.63E-04	5	3.26E-05	
188	1.58E-04	5	3.15E-05	
189	1.52E-04	5	3.04E-05	
190	1.47E-04	5	2.95E-05	
191	1.42E-04	5	2.84E-05	
192	1.38E-04	5	2.76E-05	
193	1.33E-04	5	2.67E-05	
194	1.29E-04	5	2.59E-05	
195	1.26E-04	5	2.51E-05	
196	1.22E-04	5	2.43E-05	
197	1.18E-04	5	2.37E-05	
198	1.15E-04	5	2.30E-05	
199	1.12E-04	5	2.23E-05	
200	1.08E-04	5	2.16E-05	
201	9.65E-05	5	1.93E-05	
202	9.36E-05	5	1.87E-05	
203	9.10E-05	5	1.82E-05	
204	8.87E-05	5	1.77E-05	
205	8.61E-05	5	1.72E-05	
206	8.37E-05	5	1.67E-05	
207	8.14E-05	5	1.63E-05	
208	2.18E-04	5	4.35E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
209	2.10E-04	5	4.19E-05	
210	1.99E-04	5	3.98E-05	
211	1.91E-04	5	3.82E-05	
212	1.77E-04	5	3.55E-05	
213	1.71E-04	5	3.43E-05	
214	1.64E-04	5	3.28E-05	
215	1.59E-04	5	3.17E-05	
216	1.53E-04	5	3.06E-05	
217	1.48E-04	5	2.96E-05	
218	1.43E-04	5	2.87E-05	
219	1.39E-04	5	2.77E-05	
220	1.34E-04	5	2.69E-05	
221	1.30E-04	5	2.61E-05	
222	1.26E-04	5	2.52E-05	
223	1.23E-04	5	2.45E-05	
224	1.19E-04	5	2.38E-05	
225	1.15E-04	5	2.31E-05	
226	1.12E-04	5	2.24E-05	
227	1.09E-04	5	2.17E-05	
228	9.68E-05	5	1.94E-05	
229	9.39E-05	5	1.88E-05	
230	9.16E-05	5	1.83E-05	
231	8.89E-05	5	1.78E-05	
232	8.64E-05	5	1.73E-05	
233	8.39E-05	5	1.68E-05	
234	8.19E-05	5	1.64E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
235	1.49E-03	5	2.97E-04	
236	1.64E-03	5	3.27E-04	
237	1.80E-03	5	3.61E-04	
238	1.99E-03	5	3.97E-04	
239	2.18E-03	5	4.37E-04	
240	2.39E-03	5	4.78E-04	
241	3.30E-03	5	6.60E-04	
242	3.11E-03	5	6.23E-04	
243	3.00E-03	5	5.99E-04	
244	2.83E-03	5	5.66E-04	
245	2.31E-03	5	4.61E-04	
246	2.05E-03	5	4.09E-04	
247	1.81E-03	5	3.62E-04	
248	1.61E-03	5	3.21E-04	
249	1.43E-03	5	2.86E-04	
250	1.28E-03	5	2.56E-04	
251	1.15E-03	5	2.30E-04	
252	1.04E-03	5	2.09E-04	
253	1.72E-04	5	3.44E-05	
254	1.65E-04	5	3.30E-05	
255	1.23E-04	5	2.46E-05	
256	1.19E-04	5	2.39E-05	
257	1.16E-04	5	2.32E-05	
258	1.12E-04	5	2.25E-05	
259	1.09E-04	5	2.18E-05	
260	1.06E-04	5	2.12E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
261	1.03E-04	5	2.06E-05	
262	1.00E-04	5	2.00E-05	
263	1.61E-03	5	3.23E-04	
264	1.80E-03	5	3.60E-04	
265	2.01E-03	5	4.01E-04	
266	2.24E-03	5	4.48E-04	
267	2.50E-03	5	4.99E-04	
268	2.78E-03	5	5.55E-04	
269	3.82E-03	5	7.65E-04	
270	3.64E-03	5	7.29E-04	
271	3.18E-03	5	6.37E-04	
272	2.60E-03	5	5.20E-04	
273	2.21E-03	5	4.42E-04	
274	1.93E-03	5	3.86E-04	
275	1.70E-03	5	3.41E-04	
276	1.50E-03	5	3.00E-04	
277	1.34E-03	5	2.67E-04	
278	1.20E-03	5	2.39E-04	
279	1.08E-03	5	2.16E-04	
280	1.73E-04	5	3.46E-05	
281	1.67E-04	5	3.33E-05	
282	1.24E-04	5	2.47E-05	
283	1.20E-04	5	2.40E-05	
284	1.16E-04	5	2.33E-05	
285	1.13E-04	5	2.26E-05	
286	1.10E-04	5	2.19E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
287	1.06E-04	5	2.13E-05	
288	1.03E-04	5	2.06E-05	
289	1.00E-04	5	2.01E-05	
290	1.75E-03	5	3.50E-04	
291	1.97E-03	5	3.94E-04	
292	2.23E-03	5	4.46E-04	
293	2.53E-03	5	5.06E-04	
294	2.87E-03	5	5.75E-04	
295	3.26E-03	5	6.51E-04	
296	4.34E-03	5	8.68E-04	
297	4.15E-03	5	8.29E-04	
298	3.47E-03	5	6.95E-04	
299	2.77E-03	5	5.54E-04	
300	2.38E-03	5	4.75E-04	
301	2.05E-03	5	4.10E-04	
302	1.76E-03	5	3.51E-04	
303	1.57E-03	5	3.14E-04	
304	1.39E-03	5	2.78E-04	
305	1.24E-03	5	2.49E-04	
306	1.12E-03	5	2.23E-04	
307	2.75E-04	5	5.50E-05	
308	2.63E-04	5	5.26E-05	
309	1.74E-04	5	3.48E-05	
310	1.68E-04	5	3.36E-05	
311	1.24E-04	5	2.48E-05	
312	1.20E-04	5	2.41E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
313	1.17E-04	5	2.33E-05	
314	1.13E-04	5	2.27E-05	
315	1.10E-04	5	2.20E-05	
316	1.07E-04	5	2.13E-05	
317	1.04E-04	5	2.07E-05	
318	1.01E-04	5	2.01E-05	
319	1.88E-03	5	3.77E-04	
320	2.15E-03	5	4.30E-04	
321	2.47E-03	5	4.95E-04	
322	2.86E-03	5	5.72E-04	
323	3.32E-03	5	6.63E-04	
324	3.85E-03	5	7.71E-04	
325	5.16E-03	5	1.03E-03	
326	4.32E-03	5	8.64E-04	
327	3.65E-03	5	7.30E-04	
328	3.01E-03	5	6.01E-04	
329	2.54E-03	5	5.09E-04	
330	2.17E-03	5	4.34E-04	
331	1.88E-03	5	3.75E-04	
332	1.63E-03	5	3.26E-04	
333	1.45E-03	5	2.89E-04	
334	1.29E-03	5	2.57E-04	
335	1.15E-03	5	2.30E-04	
336	2.77E-04	5	5.53E-05	
337	2.65E-04	5	5.29E-05	
338	1.82E-04	5	3.63E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
339	1.69E-04	5	3.38E-05	
340	1.04E-04	5	2.08E-05	
341	1.01E-04	5	2.02E-05	
342	2.02E-03	5	4.03E-04	
343	2.33E-03	5	4.66E-04	
344	2.72E-03	5	5.45E-04	
345	3.21E-03	5	6.43E-04	
346	3.83E-03	5	7.65E-04	
347	4.58E-03	5	9.17E-04	
348	7.54E-03	5	1.51E-03	
349	6.13E-03	5	1.23E-03	
350	4.92E-03	5	9.84E-04	
351	3.97E-03	5	7.93E-04	
352	3.25E-03	5	6.50E-04	
353	2.71E-03	5	5.42E-04	
354	2.29E-03	5	4.58E-04	
355	1.97E-03	5	3.93E-04	
356	1.60E-03	5	3.21E-04	
357	1.50E-03	5	2.99E-04	
358	1.33E-03	5	2.66E-04	
359	1.19E-03	5	2.37E-04	
360	3.76E-04	5	7.53E-05	
361	3.57E-04	5	7.13E-05	
362	2.78E-04	5	5.57E-05	
363	2.66E-04	5	5.32E-05	
364	1.82E-04	5	3.65E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
365	1.76E-04	5	3.52E-05	
366	1.42E-04	5	2.84E-05	
367	1.38E-04	5	2.75E-05	
368	1.33E-04	5	2.66E-05	
369	1.04E-04	5	2.07E-05	
370	1.01E-04	5	2.02E-05	
371	9.78E-05	5	1.96E-05	
372	9.48E-05	5	1.90E-05	
373	9.19E-05	5	1.84E-05	
374	8.95E-05	5	1.79E-05	
375	8.70E-05	5	1.74E-05	
376	8.45E-05	5	1.69E-05	
377	8.26E-05	5	1.65E-05	
378	2.14E-03	5	4.27E-04	
379	2.50E-03	5	5.01E-04	
380	2.97E-03	5	5.94E-04	
381	3.58E-03	5	7.16E-04	
382	4.38E-03	5	8.76E-04	
383	5.44E-03	5	1.09E-03	
384	9.49E-03	5	1.90E-03	
385	7.21E-03	5	1.44E-03	
386	5.53E-03	5	1.11E-03	
387	4.33E-03	5	8.66E-04	
388	3.48E-03	5	6.97E-04	
389	2.87E-03	5	5.73E-04	
390	2.40E-03	5	4.81E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
391	2.05E-03	5	4.10E-04	
392	1.77E-03	5	3.54E-04	
393	1.55E-03	5	3.09E-04	
394	1.37E-03	5	2.73E-04	
395	1.22E-03	5	2.43E-04	
396	3.79E-04	5	7.58E-05	
397	3.59E-04	5	7.18E-05	
398	2.80E-04	5	5.60E-05	
399	2.67E-04	5	5.35E-05	
400	1.84E-04	5	3.67E-05	
401	1.76E-04	5	3.53E-05	
402	1.42E-04	5	2.84E-05	
403	1.38E-04	5	2.76E-05	
404	1.33E-04	5	2.66E-05	
405	1.04E-04	5	2.08E-05	
406	1.00E-04	5	2.01E-05	
407	9.74E-05	5	1.95E-05	
408	9.48E-05	5	1.90E-05	
409	9.19E-05	5	1.84E-05	
410	8.92E-05	5	1.78E-05	
411	8.71E-05	5	1.74E-05	
412	8.46E-05	5	1.69E-05	
413	8.26E-05	5	1.65E-05	
414	2.24E-03	5	4.48E-04	
415	2.65E-03	5	5.30E-04	
416	3.19E-03	5	6.39E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
417	3.92E-03	5	7.85E-04	
418	4.94E-03	5	9.88E-04	
419	6.39E-03	5	1.28E-03	
420	2.31E-02	5	4.63E-03	
421	1.71E-02	5	3.42E-03	
422	1.18E-02	5	2.36E-03	
423	8.33E-03	5	1.67E-03	
424	6.12E-03	5	1.22E-03	
425	4.67E-03	5	9.34E-04	
426	3.70E-03	5	7.40E-04	
427	3.01E-03	5	6.02E-04	
428	2.50E-03	5	5.01E-04	
429	2.12E-03	5	4.24E-04	
430	1.82E-03	5	3.65E-04	
431	1.59E-03	5	3.17E-04	
432	1.40E-03	5	2.79E-04	
433	1.24E-03	5	2.48E-04	
434	3.81E-04	5	7.62E-05	
435	3.61E-04	5	7.22E-05	
436	2.94E-04	5	5.89E-05	
437	2.81E-04	5	5.62E-05	
438	2.68E-04	5	5.37E-05	
439	1.87E-04	5	3.74E-05	
440	1.77E-04	5	3.54E-05	
441	1.42E-04	5	2.85E-05	
442	1.38E-04	5	2.75E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
443	1.33E-04	5	2.67E-05	
444	1.29E-04	5	2.58E-05	
445	1.25E-04	5	2.50E-05	
446	1.21E-04	5	2.42E-05	
447	1.18E-04	5	2.36E-05	
448	1.14E-04	5	2.27E-05	
449	1.10E-04	5	2.21E-05	
450	1.07E-04	5	2.14E-05	
451	1.04E-04	5	2.08E-05	
452	1.00E-04	5	2.01E-05	
453	9.73E-05	5	1.95E-05	
454	9.44E-05	5	1.89E-05	
455	9.20E-05	5	1.84E-05	
456	8.92E-05	5	1.78E-05	
457	8.71E-05	5	1.74E-05	
458	8.46E-05	5	1.69E-05	
459	8.24E-05	5	1.65E-05	
460	2.32E-03	5	4.63E-04	
461	2.77E-03	5	5.53E-04	
462	3.37E-03	5	6.74E-04	
463	4.21E-03	5	8.42E-04	
464	5.42E-03	5	1.08E-03	
465	7.27E-03	5	1.45E-03	
466	4.28E-02	5	8.56E-03	
467	2.38E-02	5	4.77E-03	
468	1.42E-02	5	2.85E-03	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
469	9.35E-03	5	1.87E-03	
470	6.63E-03	5	1.33E-03	
471	4.96E-03	5	9.92E-04	
472	3.88E-03	5	7.76E-04	
473	3.13E-03	5	6.26E-04	
474	2.59E-03	5	5.17E-04	
475	2.18E-03	5	4.36E-04	
476	1.87E-03	5	3.73E-04	
477	1.62E-03	5	3.24E-04	
478	1.42E-03	5	2.84E-04	
479	1.26E-03	5	2.52E-04	
480	2.95E-04	5	5.90E-05	
481	2.82E-04	5	5.63E-05	
482	2.69E-04	5	5.38E-05	
483	1.43E-04	5	2.85E-05	
484	1.38E-04	5	2.76E-05	
485	1.33E-04	5	2.67E-05	
486	1.29E-04	5	2.58E-05	
487	1.25E-04	5	2.51E-05	
488	1.21E-04	5	2.43E-05	
489	1.18E-04	5	2.36E-05	
490	1.14E-04	5	2.27E-05	
491	1.10E-04	5	2.21E-05	
492	1.07E-04	5	2.13E-05	
493	1.03E-04	5	2.07E-05	
494	1.00E-04	5	2.01E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
495	9.73E-05	5	1.95E-05	
496	9.42E-05	5	1.88E-05	
497	9.19E-05	5	1.84E-05	
498	8.92E-05	5	1.78E-05	
499	8.70E-05	5	1.74E-05	
500	8.45E-05	5	1.69E-05	
501	8.24E-05	5	1.65E-05	
502	2.36E-03	5	4.72E-04	
503	2.83E-03	5	5.67E-04	
504	3.10E-04	5	6.21E-05	
505	2.96E-04	5	5.91E-05	
506	2.82E-04	5	5.64E-05	
507	2.69E-04	5	5.39E-05	
508	2.58E-04	5	5.15E-05	
509	1.33E-04	5	2.67E-05	
510	2.34E-03	5	4.69E-04	
511	2.85E-03	5	5.69E-04	
512	3.11E-04	5	6.21E-05	
513	2.96E-04	5	5.92E-05	
514	2.82E-04	5	5.64E-05	
515	2.69E-04	5	5.39E-05	
516	2.58E-04	5	5.15E-05	
517	1.33E-04	5	2.67E-05	
518	2.20E-03	5	4.41E-04	
519	2.80E-03	5	5.61E-04	
520	2.95E-04	5	5.91E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
521	2.82E-04	5	5.64E-05	
522	2.69E-04	5	5.38E-05	
523	2.57E-04	5	5.15E-05	
524	1.33E-04	5	2.67E-05	
525	2.05E-03	5	4.09E-04	
526	2.51E-03	5	5.03E-04	
527	1.33E-04	5	2.66E-05	
528	1.74E-04	5	3.48E-05	
529	1.65E-04	5	3.29E-05	
530	1.59E-04	5	3.18E-05	
531	1.48E-04	5	2.96E-05	
532	1.42E-04	5	2.84E-05	
533	1.37E-04	5	2.75E-05	
534	1.33E-04	5	2.66E-05	
535	1.73E-04	5	3.47E-05	
536	1.64E-04	5	3.29E-05	
537	1.59E-04	5	3.18E-05	
538	1.47E-04	5	2.95E-05	
539	1.42E-04	5	2.83E-05	
540	1.37E-04	5	2.74E-05	
541	1.32E-04	5	2.65E-05	
542	1.73E-04	5	3.46E-05	
543	1.64E-04	5	3.27E-05	
544	1.58E-04	5	3.17E-05	
545	1.47E-04	5	2.94E-05	
546	1.42E-04	5	2.85E-05	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Facility Location 3

Non Cancer Risk

Receptor #	Conc	REL	HI	Max
547	1.37E-04	5	2.73E-05	
548	1.32E-04	5	2.64E-05	
549	1.72E-04	5	3.44E-05	
550	1.64E-04	5	3.28E-05	
551	1.58E-04	5	3.16E-05	
552	1.46E-04	5	2.93E-05	
553	1.42E-04	5	2.84E-05	
554	1.36E-04	5	2.72E-05	
555	1.32E-04	5	2.64E-05	
556	2.47E-04	5	4.93E-05	
557	2.36E-04	5	4.73E-05	
558	2.46E-04	5	4.92E-05	
559	2.36E-04	5	4.72E-05	

Mitigated Risk from Pipeline Installation

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
1	1.97769	3.9E-04	7.7E-04	1090	1	0.96	1E-06	8.04E-07	1.1	10	0.75	70	0.85	8.0E-08	8.0E-02	**1.10**
2	2.04271	3.9E-04	7.9E-04	1090	1	0.96	1E-06	8.30E-07	1.1	10	0.75	70	0.85	8.3E-08	8.3E-02	
3	2.11427	3.9E-04	8.2E-04	1090	1	0.96	1E-06	8.60E-07	1.1	10	0.75	70	0.85	8.6E-08	8.6E-02	
4	2.19481	3.9E-04	8.5E-04	1090	1	0.96	1E-06	8.92E-07	1.1	10	0.75	70	0.85	8.9E-08	8.9E-02	
5	2.28147	3.9E-04	8.9E-04	1090	1	0.96	1E-06	9.27E-07	1.1	10	0.75	70	0.85	9.3E-08	9.3E-02	
6	2.37505	3.9E-04	9.2E-04	1090	1	0.96	1E-06	9.66E-07	1.1	10	0.75	70	0.85	9.7E-08	9.7E-02	
7	2.47172	3.9E-04	9.6E-04	1090	1	0.96	1E-06	1.00E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
8	2.5679	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.04E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
9	2.65583	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.08E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
10	2.72954	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.11E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
11	2.78021	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.13E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
12	2.80502	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.14E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
13	2.80203	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.14E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
14	2.77251	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.13E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
15	2.72568	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.11E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
16	2.65931	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.08E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
17	2.58161	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.05E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
18	2.49372	3.9E-04	9.7E-04	1090	1	0.96	1E-06	1.01E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
19	2.39549	3.9E-04	9.3E-04	1090	1	0.96	1E-06	9.74E-07	1.1	10	0.75	70	0.85	9.7E-08	9.7E-02	
20	2.28616	3.9E-04	8.9E-04	1090	1	0.96	1E-06	9.29E-07	1.1	10	0.75	70	0.85	9.3E-08	9.3E-02	
21	2.1674	3.9E-04	8.4E-04	1090	1	0.96	1E-06	8.81E-07	1.1	10	0.75	70	0.85	8.8E-08	8.8E-02	
22	2.0409	3.9E-04	7.9E-04	1090	1	0.96	1E-06	8.30E-07	1.1	10	0.75	70	0.85	8.3E-08	8.3E-02	
23	1.90487	3.9E-04	7.4E-04	1090	1	0.96	1E-06	7.74E-07	1.1	10	0.75	70	0.85	7.7E-08	7.7E-02	
24	1.76288	3.9E-04	6.9E-04	1090	1	0.96	1E-06	7.17E-07	1.1	10	0.75	70	0.85	7.2E-08	7.2E-02	
25	1.61846	3.9E-04	6.3E-04	1090	1	0.96	1E-06	6.58E-07	1.1	10	0.75	70	0.85	6.6E-08	6.6E-02	
26	1.47457	3.9E-04	5.7E-04	1090	1	0.96	1E-06	5.99E-07	1.1	10	0.75	70	0.85	6.0E-08	6.0E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
27	1.33713	3.9E-04	5.2E-04	1090	1	0.96	1E-06	5.44E-07	1.1	10	0.75	70	0.85	5.4E-08	5.4E-02	
28	1.21081	3.9E-04	4.7E-04	1090	1	0.96	1E-06	4.92E-07	1.1	10	0.75	70	0.85	4.9E-08	4.9E-02	
29	1.09931	3.9E-04	4.3E-04	1090	1	0.96	1E-06	4.47E-07	1.1	10	0.75	70	0.85	4.5E-08	4.5E-02	
30	1.00063	3.9E-04	3.9E-04	1090	1	0.96	1E-06	4.07E-07	1.1	10	0.75	70	0.85	4.1E-08	4.1E-02	
31	2.13843	3.9E-04	8.3E-04	1090	1	0.96	1E-06	8.69E-07	1.1	10	0.75	70	0.85	8.7E-08	8.7E-02	
32	2.22008	3.9E-04	8.6E-04	1090	1	0.96	1E-06	9.03E-07	1.1	10	0.75	70	0.85	9.0E-08	9.0E-02	
33	2.31262	3.9E-04	9.0E-04	1090	1	0.96	1E-06	9.40E-07	1.1	10	0.75	70	0.85	9.4E-08	9.4E-02	
34	2.41918	3.9E-04	9.4E-04	1090	1	0.96	1E-06	9.83E-07	1.1	10	0.75	70	0.85	9.8E-08	9.8E-02	
35	2.5371	3.9E-04	9.9E-04	1090	1	0.96	1E-06	1.03E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
36	2.66695	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.08E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
37	2.8037	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.14E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
38	2.94102	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.20E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
39	3.06661	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.25E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
40	3.16802	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.29E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
41	3.23373	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.31E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
42	3.26102	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.33E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
43	3.25142	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.32E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
44	3.21279	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.31E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
45	3.14926	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.28E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
46	3.07055	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.25E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
47	2.97497	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.21E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
48	2.86913	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.17E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
49	2.75125	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.12E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
50	2.61922	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
51	2.47487	3.9E-04	9.6E-04	1090	1	0.96	1E-06	1.01E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
52	2.31599	3.9E-04	9.0E-04	1090	1	0.96	1E-06	9.42E-07	1.1	10	0.75	70	0.85	9.4E-08	9.4E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
53	2.14418	3.9E-04	8.3E-04	1090	1	0.96	1E-06	8.72E-07	1.1	10	0.75	70	0.85	8.7E-08	8.7E-02	
54	1.96297	3.9E-04	7.6E-04	1090	1	0.96	1E-06	7.98E-07	1.1	10	0.75	70	0.85	8.0E-08	8.0E-02	
55	1.7784	3.9E-04	6.9E-04	1090	1	0.96	1E-06	7.23E-07	1.1	10	0.75	70	0.85	7.2E-08	7.2E-02	
56	1.59656	3.9E-04	6.2E-04	1090	1	0.96	1E-06	6.49E-07	1.1	10	0.75	70	0.85	6.5E-08	6.5E-02	
57	1.427	3.9E-04	5.6E-04	1090	1	0.96	1E-06	5.80E-07	1.1	10	0.75	70	0.85	5.8E-08	5.8E-02	
58	1.27722	3.9E-04	5.0E-04	1090	1	0.96	1E-06	5.19E-07	1.1	10	0.75	70	0.85	5.2E-08	5.2E-02	
59	1.14726	3.9E-04	4.5E-04	1090	1	0.96	1E-06	4.66E-07	1.1	10	0.75	70	0.85	4.7E-08	4.7E-02	
60	1.03648	3.9E-04	4.0E-04	1090	1	0.96	1E-06	4.21E-07	1.1	10	0.75	70	0.85	4.2E-08	4.2E-02	
61	2.31779	3.9E-04	9.0E-04	1090	1	0.96	1E-06	9.42E-07	1.1	10	0.75	70	0.85	9.4E-08	9.4E-02	
62	2.42044	3.9E-04	9.4E-04	1090	1	0.96	1E-06	9.84E-07	1.1	10	0.75	70	0.85	9.8E-08	9.8E-02	
63	2.54109	3.9E-04	9.9E-04	1090	1	0.96	1E-06	1.03E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
64	2.68378	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
65	2.84771	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.16E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
66	3.03336	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.23E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
67	3.23417	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.31E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
68	3.43762	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.40E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	
69	3.62261	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.47E-06	1.1	10	0.75	70	0.85	1.5E-07	1.5E-01	
70	3.763	3.9E-04	1.5E-03	1090	1	0.96	1E-06	1.53E-06	1.1	10	0.75	70	0.85	1.5E-07	1.5E-01	
71	3.84534	3.9E-04	1.5E-03	1090	1	0.96	1E-06	1.56E-06	1.1	10	0.75	70	0.85	1.6E-07	1.6E-01	
72	3.86936	3.9E-04	1.5E-03	1090	1	0.96	1E-06	1.57E-06	1.1	10	0.75	70	0.85	1.6E-07	1.6E-01	
73	3.84651	3.9E-04	1.5E-03	1090	1	0.96	1E-06	1.56E-06	1.1	10	0.75	70	0.85	1.6E-07	1.6E-01	
74	3.79057	3.9E-04	1.5E-03	1090	1	0.96	1E-06	1.54E-06	1.1	10	0.75	70	0.85	1.5E-07	1.5E-01	
75	3.70894	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.51E-06	1.1	10	0.75	70	0.85	1.5E-07	1.5E-01	
76	3.61282	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.47E-06	1.1	10	0.75	70	0.85	1.5E-07	1.5E-01	
77	3.4986	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.42E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	
78	3.3721	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.37E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
79	3.23093	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.31E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
80	3.06995	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.25E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
81	2.88972	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.17E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
82	2.68613	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
83	2.46162	3.9E-04	9.6E-04	1090	1	0.96	1E-06	1.00E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
84	2.22155	3.9E-04	8.6E-04	1090	1	0.96	1E-06	9.03E-07	1.1	10	0.75	70	0.85	9.0E-08	9.0E-02	
85	1.97439	3.9E-04	7.7E-04	1090	1	0.96	1E-06	8.03E-07	1.1	10	0.75	70	0.85	8.0E-08	8.0E-02	
86	1.73734	3.9E-04	6.8E-04	1090	1	0.96	1E-06	7.06E-07	1.1	10	0.75	70	0.85	7.1E-08	7.1E-02	
87	1.52499	3.9E-04	5.9E-04	1090	1	0.96	1E-06	6.20E-07	1.1	10	0.75	70	0.85	6.2E-08	6.2E-02	
88	1.3452	3.9E-04	5.2E-04	1090	1	0.96	1E-06	5.47E-07	1.1	10	0.75	70	0.85	5.5E-08	5.5E-02	
89	1.19516	3.9E-04	4.6E-04	1090	1	0.96	1E-06	4.86E-07	1.1	10	0.75	70	0.85	4.9E-08	4.9E-02	
90	1.07168	3.9E-04	4.2E-04	1090	1	0.96	1E-06	4.36E-07	1.1	10	0.75	70	0.85	4.4E-08	4.4E-02	
91	2.51747	3.9E-04	9.8E-04	1090	1	0.96	1E-06	1.02E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
92	2.64606	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.08E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
93	2.80439	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.14E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
94	2.99733	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.22E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
95	3.23196	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.31E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
96	3.50706	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.43E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	
97	3.81689	3.9E-04	1.5E-03	1090	1	0.96	1E-06	1.55E-06	1.1	10	0.75	70	0.85	1.6E-07	1.6E-01	
98	4.13655	3.9E-04	1.6E-03	1090	1	0.96	1E-06	1.68E-06	1.1	10	0.75	70	0.85	1.7E-07	1.7E-01	
99	4.41943	3.9E-04	1.7E-03	1090	1	0.96	1E-06	1.80E-06	1.1	10	0.75	70	0.85	1.8E-07	1.8E-01	
100	4.61492	3.9E-04	1.8E-03	1090	1	0.96	1E-06	1.88E-06	1.1	10	0.75	70	0.85	1.9E-07	1.9E-01	
101	4.70851	3.9E-04	1.8E-03	1090	1	0.96	1E-06	1.91E-06	1.1	10	0.75	70	0.85	1.9E-07	1.9E-01	
102	4.71763	3.9E-04	1.8E-03	1090	1	0.96	1E-06	1.92E-06	1.1	10	0.75	70	0.85	1.9E-07	1.9E-01	
103	4.67091	3.9E-04	1.8E-03	1090	1	0.96	1E-06	1.90E-06	1.1	10	0.75	70	0.85	1.9E-07	1.9E-01	
104	4.59018	3.9E-04	1.8E-03	1090	1	0.96	1E-06	1.87E-06	1.1	10	0.75	70	0.85	1.9E-07	1.9E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
105	4.48583	3.9E-04	1.7E-03	1090	1	0.96	1E-06	1.82E-06	1.1	10	0.75	70	0.85	1.8E-07	1.8E-01	
106	4.36866	3.9E-04	1.7E-03	1090	1	0.96	1E-06	1.78E-06	1.1	10	0.75	70	0.85	1.8E-07	1.8E-01	
107	4.23326	3.9E-04	1.6E-03	1090	1	0.96	1E-06	1.72E-06	1.1	10	0.75	70	0.85	1.7E-07	1.7E-01	
108	4.08347	3.9E-04	1.6E-03	1090	1	0.96	1E-06	1.66E-06	1.1	10	0.75	70	0.85	1.7E-07	1.7E-01	
109	3.91434	3.9E-04	1.5E-03	1090	1	0.96	1E-06	1.59E-06	1.1	10	0.75	70	0.85	1.6E-07	1.6E-01	
110	3.71649	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.51E-06	1.1	10	0.75	70	0.85	1.5E-07	1.5E-01	
111	3.48598	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.42E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	
112	3.21579	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.31E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
113	2.90785	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.18E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
114	2.5674	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.04E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
115	2.21977	3.9E-04	8.6E-04	1090	1	0.96	1E-06	9.02E-07	1.1	10	0.75	70	0.85	9.0E-08	9.0E-02	
116	1.89938	3.9E-04	7.4E-04	1090	1	0.96	1E-06	7.72E-07	1.1	10	0.75	70	0.85	7.7E-08	7.7E-02	
117	1.6298	3.9E-04	6.3E-04	1090	1	0.96	1E-06	6.63E-07	1.1	10	0.75	70	0.85	6.6E-08	6.6E-02	
118	1.4128	3.9E-04	5.5E-04	1090	1	0.96	1E-06	5.74E-07	1.1	10	0.75	70	0.85	5.7E-08	5.7E-02	
119	1.24173	3.9E-04	4.8E-04	1090	1	0.96	1E-06	5.05E-07	1.1	10	0.75	70	0.85	5.0E-08	5.0E-02	
120	1.10771	3.9E-04	4.3E-04	1090	1	0.96	1E-06	4.50E-07	1.1	10	0.75	70	0.85	4.5E-08	4.5E-02	
121	2.73892	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.11E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
122	2.89834	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.18E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
123	3.10359	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.26E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
124	3.36822	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.37E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	
125	3.71068	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.51E-06	1.1	10	0.75	70	0.85	1.5E-07	1.5E-01	
126	4.14228	3.9E-04	1.6E-03	1090	1	0.96	1E-06	1.68E-06	1.1	10	0.75	70	0.85	1.7E-07	1.7E-01	
127	4.65808	3.9E-04	1.8E-03	1090	1	0.96	1E-06	1.89E-06	1.1	10	0.75	70	0.85	1.9E-07	1.9E-01	
128	5.20684	3.9E-04	2.0E-03	1090	1	0.96	1E-06	2.12E-06	1.1	10	0.75	70	0.85	2.1E-07	2.1E-01	
129	5.66645	3.9E-04	2.2E-03	1090	1	0.96	1E-06	2.30E-06	1.1	10	0.75	70	0.85	2.3E-07	2.3E-01	
130	5.93069	3.9E-04	2.3E-03	1090	1	0.96	1E-06	2.41E-06	1.1	10	0.75	70	0.85	2.4E-07	2.4E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
131	6.01247	3.9E-04	2.3E-03	1090	1	0.96	1E-06	2.44E-06	1.1	10	0.75	70	0.85	2.4E-07	2.4E-01	
132	5.98269	3.9E-04	2.3E-03	1090	1	0.96	1E-06	2.43E-06	1.1	10	0.75	70	0.85	2.4E-07	2.4E-01	
133	5.89588	3.9E-04	2.3E-03	1090	1	0.96	1E-06	2.40E-06	1.1	10	0.75	70	0.85	2.4E-07	2.4E-01	
134	5.77886	3.9E-04	2.2E-03	1090	1	0.96	1E-06	2.35E-06	1.1	10	0.75	70	0.85	2.3E-07	2.3E-01	
135	5.64844	3.9E-04	2.2E-03	1090	1	0.96	1E-06	2.30E-06	1.1	10	0.75	70	0.85	2.3E-07	2.3E-01	
136	5.50631	3.9E-04	2.1E-03	1090	1	0.96	1E-06	2.24E-06	1.1	10	0.75	70	0.85	2.2E-07	2.2E-01	
137	5.34654	3.9E-04	2.1E-03	1090	1	0.96	1E-06	2.17E-06	1.1	10	0.75	70	0.85	2.2E-07	2.2E-01	
138	5.17139	3.9E-04	2.0E-03	1090	1	0.96	1E-06	2.10E-06	1.1	10	0.75	70	0.85	2.1E-07	2.1E-01	
139	4.96825	3.9E-04	1.9E-03	1090	1	0.96	1E-06	2.02E-06	1.1	10	0.75	70	0.85	2.0E-07	2.0E-01	
140	4.72341	3.9E-04	1.8E-03	1090	1	0.96	1E-06	1.92E-06	1.1	10	0.75	70	0.85	1.9E-07	1.9E-01	
141	4.42142	3.9E-04	1.7E-03	1090	1	0.96	1E-06	1.80E-06	1.1	10	0.75	70	0.85	1.8E-07	1.8E-01	
142	4.04708	3.9E-04	1.6E-03	1090	1	0.96	1E-06	1.65E-06	1.1	10	0.75	70	0.85	1.6E-07	1.6E-01	
143	3.58863	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.46E-06	1.1	10	0.75	70	0.85	1.5E-07	1.5E-01	
144	3.06265	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.25E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
145	2.5331	3.9E-04	9.9E-04	1090	1	0.96	1E-06	1.03E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
146	2.08114	3.9E-04	8.1E-04	1090	1	0.96	1E-06	8.46E-07	1.1	10	0.75	70	0.85	8.5E-08	8.5E-02	
147	1.73415	3.9E-04	6.7E-04	1090	1	0.96	1E-06	7.05E-07	1.1	10	0.75	70	0.85	7.0E-08	7.0E-02	
148	1.47764	3.9E-04	5.7E-04	1090	1	0.96	1E-06	6.01E-07	1.1	10	0.75	70	0.85	6.0E-08	6.0E-02	
149	1.28779	3.9E-04	5.0E-04	1090	1	0.96	1E-06	5.24E-07	1.1	10	0.75	70	0.85	5.2E-08	5.2E-02	
150	1.13934	3.9E-04	4.4E-04	1090	1	0.96	1E-06	4.63E-07	1.1	10	0.75	70	0.85	4.6E-08	4.6E-02	
151	2.98357	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.21E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
152	3.17729	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.29E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
153	3.43944	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.40E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	
154	3.80074	3.9E-04	1.5E-03	1090	1	0.96	1E-06	1.55E-06	1.1	10	0.75	70	0.85	1.5E-07	1.5E-01	
155	4.30842	3.9E-04	1.7E-03	1090	1	0.96	1E-06	1.75E-06	1.1	10	0.75	70	0.85	1.8E-07	1.8E-01	
156	5.02588	3.9E-04	2.0E-03	1090	1	0.96	1E-06	2.04E-06	1.1	10	0.75	70	0.85	2.0E-07	2.0E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
157	5.99523	3.9E-04	2.3E-03	1090	1	0.96	1E-06	2.44E-06	1.1	10	0.75	70	0.85	2.4E-07	2.4E-01	
158	7.09667	3.9E-04	2.8E-03	1090	1	0.96	1E-06	2.89E-06	1.1	10	0.75	70	0.85	2.9E-07	2.9E-01	
159	7.90598	3.9E-04	3.1E-03	1090	1	0.96	1E-06	3.21E-06	1.1	10	0.75	70	0.85	3.2E-07	3.2E-01	
160	8.20997	3.9E-04	3.2E-03	1090	1	0.96	1E-06	3.34E-06	1.1	10	0.75	70	0.85	3.3E-07	3.3E-01	
161	8.21542	3.9E-04	3.2E-03	1090	1	0.96	1E-06	3.34E-06	1.1	10	0.75	70	0.85	3.3E-07	3.3E-01	
162	8.1053	3.9E-04	3.2E-03	1090	1	0.96	1E-06	3.30E-06	1.1	10	0.75	70	0.85	3.3E-07	3.3E-01	
163	7.95561	3.9E-04	3.1E-03	1090	1	0.96	1E-06	3.23E-06	1.1	10	0.75	70	0.85	3.2E-07	3.2E-01	
164	7.79312	3.9E-04	3.0E-03	1090	1	0.96	1E-06	3.17E-06	1.1	10	0.75	70	0.85	3.2E-07	3.2E-01	
165	7.62241	3.9E-04	3.0E-03	1090	1	0.96	1E-06	3.10E-06	1.1	10	0.75	70	0.85	3.1E-07	3.1E-01	
166	7.44741	3.9E-04	2.9E-03	1090	1	0.96	1E-06	3.03E-06	1.1	10	0.75	70	0.85	3.0E-07	3.0E-01	
167	7.25637	3.9E-04	2.8E-03	1090	1	0.96	1E-06	2.95E-06	1.1	10	0.75	70	0.85	2.9E-07	2.9E-01	
168	7.04818	3.9E-04	2.7E-03	1090	1	0.96	1E-06	2.87E-06	1.1	10	0.75	70	0.85	2.9E-07	2.9E-01	
169	6.80417	3.9E-04	2.6E-03	1090	1	0.96	1E-06	2.77E-06	1.1	10	0.75	70	0.85	2.8E-07	2.8E-01	
170	6.50059	3.9E-04	2.5E-03	1090	1	0.96	1E-06	2.64E-06	1.1	10	0.75	70	0.85	2.6E-07	2.6E-01	
171	6.10006	3.9E-04	2.4E-03	1090	1	0.96	1E-06	2.48E-06	1.1	10	0.75	70	0.85	2.5E-07	2.5E-01	
172	5.55013	3.9E-04	2.2E-03	1090	1	0.96	1E-06	2.26E-06	1.1	10	0.75	70	0.85	2.3E-07	2.3E-01	
173	4.79016	3.9E-04	1.9E-03	1090	1	0.96	1E-06	1.95E-06	1.1	10	0.75	70	0.85	1.9E-07	1.9E-01	
174	3.84269	3.9E-04	1.5E-03	1090	1	0.96	1E-06	1.56E-06	1.1	10	0.75	70	0.85	1.6E-07	1.6E-01	
175	2.93365	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.19E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
176	2.26929	3.9E-04	8.8E-04	1090	1	0.96	1E-06	9.23E-07	1.1	10	0.75	70	0.85	9.2E-08	9.2E-02	
177	1.83222	3.9E-04	7.1E-04	1090	1	0.96	1E-06	7.45E-07	1.1	10	0.75	70	0.85	7.4E-08	7.4E-02	
178	1.53866	3.9E-04	6.0E-04	1090	1	0.96	1E-06	6.26E-07	1.1	10	0.75	70	0.85	6.3E-08	6.3E-02	
179	1.32667	3.9E-04	5.2E-04	1090	1	0.96	1E-06	5.39E-07	1.1	10	0.75	70	0.85	5.4E-08	5.4E-02	
180	1.16688	3.9E-04	4.5E-04	1090	1	0.96	1E-06	4.74E-07	1.1	10	0.75	70	0.85	4.7E-08	4.7E-02	
181	3.25346	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.32E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
182	3.48249	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.42E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
183	3.80678	3.9E-04	1.5E-03	1090	1	0.96	1E-06	1.55E-06	1.1	10	0.75	70	0.85	1.5E-07	1.5E-01	
184	4.28416	3.9E-04	1.7E-03	1090	1	0.96	1E-06	1.74E-06	1.1	10	0.75	70	0.85	1.7E-07	1.7E-01	
185	5.02821	3.9E-04	2.0E-03	1090	1	0.96	1E-06	2.04E-06	1.1	10	0.75	70	0.85	2.0E-07	2.0E-01	
186	6.27488	3.9E-04	2.4E-03	1090	1	0.96	1E-06	2.55E-06	1.1	10	0.75	70	0.85	2.6E-07	2.6E-01	
187	8.47263	3.9E-04	3.3E-03	1090	1	0.96	1E-06	3.44E-06	1.1	10	0.75	70	0.85	3.4E-07	3.4E-01	
188	11.55236	3.9E-04	4.5E-03	1090	1	0.96	1E-06	4.70E-06	1.1	10	0.75	70	0.85	4.7E-07	4.7E-01	
189	13.07181	3.9E-04	5.1E-03	1090	1	0.96	1E-06	5.31E-06	1.1	10	0.75	70	0.85	5.3E-07	5.3E-01	
190	13.16285	3.9E-04	5.1E-03	1090	1	0.96	1E-06	5.35E-06	1.1	10	0.75	70	0.85	5.4E-07	5.4E-01	
191	12.94074	3.9E-04	5.0E-03	1090	1	0.96	1E-06	5.26E-06	1.1	10	0.75	70	0.85	5.3E-07	5.3E-01	
192	12.67607	3.9E-04	4.9E-03	1090	1	0.96	1E-06	5.15E-06	1.1	10	0.75	70	0.85	5.2E-07	5.2E-01	
193	12.41598	3.9E-04	4.8E-03	1090	1	0.96	1E-06	5.05E-06	1.1	10	0.75	70	0.85	5.0E-07	5.0E-01	
194	12.16833	3.9E-04	4.7E-03	1090	1	0.96	1E-06	4.95E-06	1.1	10	0.75	70	0.85	4.9E-07	4.9E-01	
195	11.92909	3.9E-04	4.6E-03	1090	1	0.96	1E-06	4.85E-06	1.1	10	0.75	70	0.85	4.8E-07	4.8E-01	
196	11.68968	3.9E-04	4.5E-03	1090	1	0.96	1E-06	4.75E-06	1.1	10	0.75	70	0.85	4.8E-07	4.8E-01	
197	11.44276	3.9E-04	4.5E-03	1090	1	0.96	1E-06	4.65E-06	1.1	10	0.75	70	0.85	4.7E-07	4.7E-01	
198	11.17262	3.9E-04	4.3E-03	1090	1	0.96	1E-06	4.54E-06	1.1	10	0.75	70	0.85	4.5E-07	4.5E-01	
199	10.86481	3.9E-04	4.2E-03	1090	1	0.96	1E-06	4.42E-06	1.1	10	0.75	70	0.85	4.4E-07	4.4E-01	
200	10.47804	3.9E-04	4.1E-03	1090	1	0.96	1E-06	4.26E-06	1.1	10	0.75	70	0.85	4.3E-07	4.3E-01	
201	5.27049	3.9E-04	2.0E-03	1090	1	0.96	1E-06	2.14E-06	1.1	10	0.75	70	0.85	2.1E-07	2.1E-01	
202	3.39911	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.38E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	
203	2.4373	3.9E-04	9.5E-04	1090	1	0.96	1E-06	9.91E-07	1.1	10	0.75	70	0.85	9.9E-08	9.9E-02	
204	1.91458	3.9E-04	7.4E-04	1090	1	0.96	1E-06	7.78E-07	1.1	10	0.75	70	0.85	7.8E-08	7.8E-02	
205	1.58526	3.9E-04	6.2E-04	1090	1	0.96	1E-06	6.44E-07	1.1	10	0.75	70	0.85	6.4E-08	6.4E-02	
206	1.35697	3.9E-04	5.3E-04	1090	1	0.96	1E-06	5.52E-07	1.1	10	0.75	70	0.85	5.5E-08	5.5E-02	
207	1.188	3.9E-04	4.6E-04	1090	1	0.96	1E-06	4.83E-07	1.1	10	0.75	70	0.85	4.8E-08	4.8E-02	
208	3.55284	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.44E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
209	3.81346	3.9E-04	1.5E-03	1090	1	0.96	1E-06	1.55E-06	1.1	10	0.75	70	0.85	1.6E-07	1.6E-01	
210	4.1964	3.9E-04	1.6E-03	1090	1	0.96	1E-06	1.71E-06	1.1	10	0.75	70	0.85	1.7E-07	1.7E-01	
211	4.79186	3.9E-04	1.9E-03	1090	1	0.96	1E-06	1.95E-06	1.1	10	0.75	70	0.85	1.9E-07	1.9E-01	
212	5.80751	3.9E-04	2.3E-03	1090	1	0.96	1E-06	2.36E-06	1.1	10	0.75	70	0.85	2.4E-07	2.4E-01	
213	7.85048	3.9E-04	3.1E-03	1090	1	0.96	1E-06	3.19E-06	1.1	10	0.75	70	0.85	3.2E-07	3.2E-01	
214	13.83126	3.9E-04	5.4E-03	1090	1	0.96	1E-06	5.62E-06	1.1	10	0.75	70	0.85	5.6E-07	5.6E-01	
215	24.85754	3.9E-04	9.7E-03	1090	1	0.96	1E-06	1.01E-05	1.1	10	0.75	70	0.85	1.0E-06	1.0E+00	
216	18.81866	3.9E-04	7.3E-03	1090	1	0.96	1E-06	7.65E-06	1.1	10	0.75	70	0.85	7.6E-07	7.6E-01	
217	17.98868	3.9E-04	7.0E-03	1090	1	0.96	1E-06	7.31E-06	1.1	10	0.75	70	0.85	7.3E-07	7.3E-01	
218	23.65848	3.9E-04	9.2E-03	1090	1	0.96	1E-06	9.62E-06	1.1	10	0.75	70	0.85	9.6E-07	9.6E-01	
219	16.96975	3.9E-04	6.6E-03	1090	1	0.96	1E-06	6.90E-06	1.1	10	0.75	70	0.85	6.9E-07	6.9E-01	
220	16.72203	3.9E-04	6.5E-03	1090	1	0.96	1E-06	6.80E-06	1.1	10	0.75	70	0.85	6.8E-07	6.8E-01	
221	22.279	3.9E-04	8.7E-03	1090	1	0.96	1E-06	9.06E-06	1.1	10	0.75	70	0.85	9.1E-07	9.1E-01	
222	16.02907	3.9E-04	6.2E-03	1090	1	0.96	1E-06	6.52E-06	1.1	10	0.75	70	0.85	6.5E-07	6.5E-01	
223	21.99734	3.9E-04	8.6E-03	1090	1	0.96	1E-06	8.94E-06	1.1	10	0.75	70	0.85	8.9E-07	8.9E-01	
224	21.17404	3.9E-04	8.2E-03	1090	1	0.96	1E-06	8.61E-06	1.1	10	0.75	70	0.85	8.6E-07	8.6E-01	
225	15.19247	3.9E-04	5.9E-03	1090	1	0.96	1E-06	6.18E-06	1.1	10	0.75	70	0.85	6.2E-07	6.2E-01	
226	20.65646	3.9E-04	8.0E-03	1090	1	0.96	1E-06	8.40E-06	1.1	10	0.75	70	0.85	8.4E-07	8.4E-01	
227	19.83985	3.9E-04	7.7E-03	1090	1	0.96	1E-06	8.07E-06	1.1	10	0.75	70	0.85	8.1E-07	8.1E-01	
228	8.16222	3.9E-04	3.2E-03	1090	1	0.96	1E-06	3.32E-06	1.1	10	0.75	70	0.85	3.3E-07	3.3E-01	
229	3.74737	3.9E-04	1.5E-03	1090	1	0.96	1E-06	1.52E-06	1.1	10	0.75	70	0.85	1.5E-07	1.5E-01	
230	2.54002	3.9E-04	9.9E-04	1090	1	0.96	1E-06	1.03E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
231	1.9602	3.9E-04	7.6E-04	1090	1	0.96	1E-06	7.97E-07	1.1	10	0.75	70	0.85	8.0E-08	8.0E-02	
232	1.61133	3.9E-04	6.3E-04	1090	1	0.96	1E-06	6.55E-07	1.1	10	0.75	70	0.85	6.5E-08	6.5E-02	
233	1.37386	3.9E-04	5.3E-04	1090	1	0.96	1E-06	5.59E-07	1.1	10	0.75	70	0.85	5.6E-08	5.6E-02	
234	1.20194	3.9E-04	4.7E-04	1090	1	0.96	1E-06	4.89E-07	1.1	10	0.75	70	0.85	4.9E-08	4.9E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
235	0.85184	3.9E-04	3.3E-04	1090	1	0.96	1E-06	3.46E-07	1.1	10	0.75	70	0.85	3.5E-08	3.5E-02	
236	0.91874	3.9E-04	3.6E-04	1090	1	0.96	1E-06	3.73E-07	1.1	10	0.75	70	0.85	3.7E-08	3.7E-02	
237	0.99355	3.9E-04	3.9E-04	1090	1	0.96	1E-06	4.04E-07	1.1	10	0.75	70	0.85	4.0E-08	4.0E-02	
238	1.07675	3.9E-04	4.2E-04	1090	1	0.96	1E-06	4.38E-07	1.1	10	0.75	70	0.85	4.4E-08	4.4E-02	
239	1.16878	3.9E-04	4.5E-04	1090	1	0.96	1E-06	4.75E-07	1.1	10	0.75	70	0.85	4.8E-08	4.8E-02	
240	1.26969	3.9E-04	4.9E-04	1090	1	0.96	1E-06	5.16E-07	1.1	10	0.75	70	0.85	5.2E-08	5.2E-02	
241	2.18807	3.9E-04	8.5E-04	1090	1	0.96	1E-06	8.90E-07	1.1	10	0.75	70	0.85	8.9E-08	8.9E-02	
242	2.27275	3.9E-04	8.8E-04	1090	1	0.96	1E-06	9.24E-07	1.1	10	0.75	70	0.85	9.2E-08	9.2E-02	
243	2.34769	3.9E-04	9.1E-04	1090	1	0.96	1E-06	9.54E-07	1.1	10	0.75	70	0.85	9.5E-08	9.5E-02	
244	2.45327	3.9E-04	9.5E-04	1090	1	0.96	1E-06	9.97E-07	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
245	2.47478	3.9E-04	9.6E-04	1090	1	0.96	1E-06	1.01E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
246	2.5306	3.9E-04	9.8E-04	1090	1	0.96	1E-06	1.03E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
247	2.57797	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.05E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
248	2.62053	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.07E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
249	2.65839	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.08E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
250	2.6921	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
251	2.72497	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.11E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
252	2.75545	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.12E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
253	9.18468	3.9E-04	3.6E-03	1090	1	0.96	1E-06	3.73E-06	1.1	10	0.75	70	0.85	3.7E-07	3.7E-01	
254	18.54581	3.9E-04	7.2E-03	1090	1	0.96	1E-06	7.54E-06	1.1	10	0.75	70	0.85	7.5E-07	7.5E-01	
255	18.74571	3.9E-04	7.3E-03	1090	1	0.96	1E-06	7.62E-06	1.1	10	0.75	70	0.85	7.6E-07	7.6E-01	
256	18.75083	3.9E-04	7.3E-03	1090	1	0.96	1E-06	7.62E-06	1.1	10	0.75	70	0.85	7.6E-07	7.6E-01	
257	18.69138	3.9E-04	7.3E-03	1090	1	0.96	1E-06	7.60E-06	1.1	10	0.75	70	0.85	7.6E-07	7.6E-01	
258	18.65777	3.9E-04	7.3E-03	1090	1	0.96	1E-06	7.58E-06	1.1	10	0.75	70	0.85	7.6E-07	7.6E-01	
259	18.52991	3.9E-04	7.2E-03	1090	1	0.96	1E-06	7.53E-06	1.1	10	0.75	70	0.85	7.5E-07	7.5E-01	
260	18.19698	3.9E-04	7.1E-03	1090	1	0.96	1E-06	7.40E-06	1.1	10	0.75	70	0.85	7.4E-07	7.4E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
261	17.39541	3.9E-04	6.8E-03	1090	1	0.96	1E-06	7.07E-06	1.1	10	0.75	70	0.85	7.1E-07	7.1E-01	
262	14.63292	3.9E-04	5.7E-03	1090	1	0.96	1E-06	5.95E-06	1.1	10	0.75	70	0.85	5.9E-07	5.9E-01	
263	0.88626	3.9E-04	3.4E-04	1090	1	0.96	1E-06	3.60E-07	1.1	10	0.75	70	0.85	3.6E-08	3.6E-02	
264	0.96232	3.9E-04	3.7E-04	1090	1	0.96	1E-06	3.91E-07	1.1	10	0.75	70	0.85	3.9E-08	3.9E-02	
265	1.04888	3.9E-04	4.1E-04	1090	1	0.96	1E-06	4.26E-07	1.1	10	0.75	70	0.85	4.3E-08	4.3E-02	
266	1.14707	3.9E-04	4.5E-04	1090	1	0.96	1E-06	4.66E-07	1.1	10	0.75	70	0.85	4.7E-08	4.7E-02	
267	1.25783	3.9E-04	4.9E-04	1090	1	0.96	1E-06	5.11E-07	1.1	10	0.75	70	0.85	5.1E-08	5.1E-02	
268	1.3816	3.9E-04	5.4E-04	1090	1	0.96	1E-06	5.62E-07	1.1	10	0.75	70	0.85	5.6E-08	5.6E-02	
269	2.60724	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
270	2.7622	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.12E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
271	2.86337	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.16E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
272	2.82726	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.15E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
273	2.89037	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.18E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
274	2.94083	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.20E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
275	2.97945	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.21E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
276	3.02709	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.23E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
277	3.06497	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.25E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
278	3.09949	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.26E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
279	3.1314	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.27E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
280	9.92427	3.9E-04	3.9E-03	1090	1	0.96	1E-06	4.03E-06	1.1	10	0.75	70	0.85	4.0E-07	4.0E-01	
281	19.2208	3.9E-04	7.5E-03	1090	1	0.96	1E-06	7.81E-06	1.1	10	0.75	70	0.85	7.8E-07	7.8E-01	
282	9.2964	3.9E-04	3.6E-03	1090	1	0.96	1E-06	3.78E-06	1.1	10	0.75	70	0.85	3.8E-07	3.8E-01	
283	9.11691	3.9E-04	3.5E-03	1090	1	0.96	1E-06	3.71E-06	1.1	10	0.75	70	0.85	3.7E-07	3.7E-01	
284	8.93361	3.9E-04	3.5E-03	1090	1	0.96	1E-06	3.63E-06	1.1	10	0.75	70	0.85	3.6E-07	3.6E-01	
285	8.71373	3.9E-04	3.4E-03	1090	1	0.96	1E-06	3.54E-06	1.1	10	0.75	70	0.85	3.5E-07	3.5E-01	
286	8.43025	3.9E-04	3.3E-03	1090	1	0.96	1E-06	3.43E-06	1.1	10	0.75	70	0.85	3.4E-07	3.4E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
287	8.00921	3.9E-04	3.1E-03	1090	1	0.96	1E-06	3.26E-06	1.1	10	0.75	70	0.85	3.3E-07	3.3E-01	
288	7.31242	3.9E-04	2.8E-03	1090	1	0.96	1E-06	2.97E-06	1.1	10	0.75	70	0.85	3.0E-07	3.0E-01	
289	6.08984	3.9E-04	2.4E-03	1090	1	0.96	1E-06	2.48E-06	1.1	10	0.75	70	0.85	2.5E-07	2.5E-01	
290	0.92061	3.9E-04	3.6E-04	1090	1	0.96	1E-06	3.74E-07	1.1	10	0.75	70	0.85	3.7E-08	3.7E-02	
291	1.00709	3.9E-04	3.9E-04	1090	1	0.96	1E-06	4.09E-07	1.1	10	0.75	70	0.85	4.1E-08	4.1E-02	
292	1.10769	3.9E-04	4.3E-04	1090	1	0.96	1E-06	4.50E-07	1.1	10	0.75	70	0.85	4.5E-08	4.5E-02	
293	1.22484	3.9E-04	4.8E-04	1090	1	0.96	1E-06	4.98E-07	1.1	10	0.75	70	0.85	5.0E-08	5.0E-02	
294	1.36029	3.9E-04	5.3E-04	1090	1	0.96	1E-06	5.53E-07	1.1	10	0.75	70	0.85	5.5E-08	5.5E-02	
295	1.51584	3.9E-04	5.9E-04	1090	1	0.96	1E-06	6.16E-07	1.1	10	0.75	70	0.85	6.2E-08	6.2E-02	
296	3.05432	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.24E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
297	3.25884	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.32E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
298	3.32782	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.35E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	
299	3.29231	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.34E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
300	3.36209	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.37E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	
301	3.41751	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.39E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	
302	3.51398	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.43E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	
303	3.50564	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.43E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	
304	3.55148	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.44E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	
305	3.58795	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.46E-06	1.1	10	0.75	70	0.85	1.5E-07	1.5E-01	
306	3.62379	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.47E-06	1.1	10	0.75	70	0.85	1.5E-07	1.5E-01	
307	4.21274	3.9E-04	1.6E-03	1090	1	0.96	1E-06	1.71E-06	1.1	10	0.75	70	0.85	1.7E-07	1.7E-01	
308	4.27041	3.9E-04	1.7E-03	1090	1	0.96	1E-06	1.74E-06	1.1	10	0.75	70	0.85	1.7E-07	1.7E-01	
309	10.35399	3.9E-04	4.0E-03	1090	1	0.96	1E-06	4.21E-06	1.1	10	0.75	70	0.85	4.2E-07	4.2E-01	
310	19.35357	3.9E-04	7.5E-03	1090	1	0.96	1E-06	7.87E-06	1.1	10	0.75	70	0.85	7.9E-07	7.9E-01	
311	6.44868	3.9E-04	2.5E-03	1090	1	0.96	1E-06	2.62E-06	1.1	10	0.75	70	0.85	2.6E-07	2.6E-01	
312	6.24443	3.9E-04	2.4E-03	1090	1	0.96	1E-06	2.54E-06	1.1	10	0.75	70	0.85	2.5E-07	2.5E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
313	6.03878	3.9E-04	2.3E-03	1090	1	0.96	1E-06	2.45E-06	1.1	10	0.75	70	0.85	2.5E-07	2.5E-01	
314	5.8135	3.9E-04	2.3E-03	1090	1	0.96	1E-06	2.36E-06	1.1	10	0.75	70	0.85	2.4E-07	2.4E-01	
315	5.53968	3.9E-04	2.2E-03	1090	1	0.96	1E-06	2.25E-06	1.1	10	0.75	70	0.85	2.3E-07	2.3E-01	
316	5.18534	3.9E-04	2.0E-03	1090	1	0.96	1E-06	2.11E-06	1.1	10	0.75	70	0.85	2.1E-07	2.1E-01	
317	4.69863	3.9E-04	1.8E-03	1090	1	0.96	1E-06	1.91E-06	1.1	10	0.75	70	0.85	1.9E-07	1.9E-01	
318	4.0465	3.9E-04	1.6E-03	1090	1	0.96	1E-06	1.65E-06	1.1	10	0.75	70	0.85	1.6E-07	1.6E-01	
319	0.95361	3.9E-04	3.7E-04	1090	1	0.96	1E-06	3.88E-07	1.1	10	0.75	70	0.85	3.9E-08	3.9E-02	
320	1.05149	3.9E-04	4.1E-04	1090	1	0.96	1E-06	4.27E-07	1.1	10	0.75	70	0.85	4.3E-08	4.3E-02	
321	1.16854	3.9E-04	4.5E-04	1090	1	0.96	1E-06	4.75E-07	1.1	10	0.75	70	0.85	4.7E-08	4.7E-02	
322	1.30902	3.9E-04	5.1E-04	1090	1	0.96	1E-06	5.32E-07	1.1	10	0.75	70	0.85	5.3E-08	5.3E-02	
323	1.47788	3.9E-04	5.7E-04	1090	1	0.96	1E-06	6.01E-07	1.1	10	0.75	70	0.85	6.0E-08	6.0E-02	
324	1.67866	3.9E-04	6.5E-04	1090	1	0.96	1E-06	6.82E-07	1.1	10	0.75	70	0.85	6.8E-08	6.8E-02	
325	3.67326	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.49E-06	1.1	10	0.75	70	0.85	1.5E-07	1.5E-01	
326	3.7704	3.9E-04	1.5E-03	1090	1	0.96	1E-06	1.53E-06	1.1	10	0.75	70	0.85	1.5E-07	1.5E-01	
327	3.85278	3.9E-04	1.5E-03	1090	1	0.96	1E-06	1.57E-06	1.1	10	0.75	70	0.85	1.6E-07	1.6E-01	
328	3.93469	3.9E-04	1.5E-03	1090	1	0.96	1E-06	1.60E-06	1.1	10	0.75	70	0.85	1.6E-07	1.6E-01	
329	4.01154	3.9E-04	1.6E-03	1090	1	0.96	1E-06	1.63E-06	1.1	10	0.75	70	0.85	1.6E-07	1.6E-01	
330	4.06934	3.9E-04	1.6E-03	1090	1	0.96	1E-06	1.65E-06	1.1	10	0.75	70	0.85	1.7E-07	1.7E-01	
331	4.12338	3.9E-04	1.6E-03	1090	1	0.96	1E-06	1.68E-06	1.1	10	0.75	70	0.85	1.7E-07	1.7E-01	
332	4.15881	3.9E-04	1.6E-03	1090	1	0.96	1E-06	1.69E-06	1.1	10	0.75	70	0.85	1.7E-07	1.7E-01	
333	4.21862	3.9E-04	1.6E-03	1090	1	0.96	1E-06	1.72E-06	1.1	10	0.75	70	0.85	1.7E-07	1.7E-01	
334	4.25852	3.9E-04	1.7E-03	1090	1	0.96	1E-06	1.73E-06	1.1	10	0.75	70	0.85	1.7E-07	1.7E-01	
335	4.29933	3.9E-04	1.7E-03	1090	1	0.96	1E-06	1.75E-06	1.1	10	0.75	70	0.85	1.7E-07	1.7E-01	
336	4.92738	3.9E-04	1.9E-03	1090	1	0.96	1E-06	2.00E-06	1.1	10	0.75	70	0.85	2.0E-07	2.0E-01	
337	4.97831	3.9E-04	1.9E-03	1090	1	0.96	1E-06	2.02E-06	1.1	10	0.75	70	0.85	2.0E-07	2.0E-01	
338	10.73068	3.9E-04	4.2E-03	1090	1	0.96	1E-06	4.36E-06	1.1	10	0.75	70	0.85	4.4E-07	4.4E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
339	19.44776	3.9E-04	7.6E-03	1090	1	0.96	1E-06	7.91E-06	1.1	10	0.75	70	0.85	7.9E-07	7.9E-01	
340	3.53444	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.44E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	
341	3.12388	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.27E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
342	0.98382	3.9E-04	3.8E-04	1090	1	0.96	1E-06	4.00E-07	1.1	10	0.75	70	0.85	4.0E-08	4.0E-02	
343	1.09355	3.9E-04	4.3E-04	1090	1	0.96	1E-06	4.45E-07	1.1	10	0.75	70	0.85	4.4E-08	4.4E-02	
344	1.22868	3.9E-04	4.8E-04	1090	1	0.96	1E-06	4.99E-07	1.1	10	0.75	70	0.85	5.0E-08	5.0E-02	
345	1.3975	3.9E-04	5.4E-04	1090	1	0.96	1E-06	5.68E-07	1.1	10	0.75	70	0.85	5.7E-08	5.7E-02	
346	1.61045	3.9E-04	6.3E-04	1090	1	0.96	1E-06	6.55E-07	1.1	10	0.75	70	0.85	6.5E-08	6.5E-02	
347	1.87816	3.9E-04	7.3E-04	1090	1	0.96	1E-06	7.64E-07	1.1	10	0.75	70	0.85	7.6E-08	7.6E-02	
348	4.45123	3.9E-04	1.7E-03	1090	1	0.96	1E-06	1.81E-06	1.1	10	0.75	70	0.85	1.8E-07	1.8E-01	
349	4.58657	3.9E-04	1.8E-03	1090	1	0.96	1E-06	1.86E-06	1.1	10	0.75	70	0.85	1.9E-07	1.9E-01	
350	4.69925	3.9E-04	1.8E-03	1090	1	0.96	1E-06	1.91E-06	1.1	10	0.75	70	0.85	1.9E-07	1.9E-01	
351	4.79102	3.9E-04	1.9E-03	1090	1	0.96	1E-06	1.95E-06	1.1	10	0.75	70	0.85	1.9E-07	1.9E-01	
352	4.87901	3.9E-04	1.9E-03	1090	1	0.96	1E-06	1.98E-06	1.1	10	0.75	70	0.85	2.0E-07	2.0E-01	
353	4.96253	3.9E-04	1.9E-03	1090	1	0.96	1E-06	2.02E-06	1.1	10	0.75	70	0.85	2.0E-07	2.0E-01	
354	5.02997	3.9E-04	2.0E-03	1090	1	0.96	1E-06	2.04E-06	1.1	10	0.75	70	0.85	2.0E-07	2.0E-01	
355	5.09097	3.9E-04	2.0E-03	1090	1	0.96	1E-06	2.07E-06	1.1	10	0.75	70	0.85	2.1E-07	2.1E-01	
356	5.12463	3.9E-04	2.0E-03	1090	1	0.96	1E-06	2.08E-06	1.1	10	0.75	70	0.85	2.1E-07	2.1E-01	
357	5.18649	3.9E-04	2.0E-03	1090	1	0.96	1E-06	2.11E-06	1.1	10	0.75	70	0.85	2.1E-07	2.1E-01	
358	5.24862	3.9E-04	2.0E-03	1090	1	0.96	1E-06	2.13E-06	1.1	10	0.75	70	0.85	2.1E-07	2.1E-01	
359	5.29483	3.9E-04	2.1E-03	1090	1	0.96	1E-06	2.15E-06	1.1	10	0.75	70	0.85	2.2E-07	2.2E-01	
360	5.84885	3.9E-04	2.3E-03	1090	1	0.96	1E-06	2.38E-06	1.1	10	0.75	70	0.85	2.4E-07	2.4E-01	
361	5.87902	3.9E-04	2.3E-03	1090	1	0.96	1E-06	2.39E-06	1.1	10	0.75	70	0.85	2.4E-07	2.4E-01	
362	5.99987	3.9E-04	2.3E-03	1090	1	0.96	1E-06	2.44E-06	1.1	10	0.75	70	0.85	2.4E-07	2.4E-01	
363	6.03968	3.9E-04	2.3E-03	1090	1	0.96	1E-06	2.46E-06	1.1	10	0.75	70	0.85	2.5E-07	2.5E-01	
364	11.25254	3.9E-04	4.4E-03	1090	1	0.96	1E-06	4.57E-06	1.1	10	0.75	70	0.85	4.6E-07	4.6E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
365	19.64807	3.9E-04	7.6E-03	1090	1	0.96	1E-06	7.99E-06	1.1	10	0.75	70	0.85	8.0E-07	8.0E-01	
366	5.84158	3.9E-04	2.3E-03	1090	1	0.96	1E-06	2.37E-06	1.1	10	0.75	70	0.85	2.4E-07	2.4E-01	
367	5.19786	3.9E-04	2.0E-03	1090	1	0.96	1E-06	2.11E-06	1.1	10	0.75	70	0.85	2.1E-07	2.1E-01	
368	4.76938	3.9E-04	1.9E-03	1090	1	0.96	1E-06	1.94E-06	1.1	10	0.75	70	0.85	1.9E-07	1.9E-01	
369	2.87895	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.17E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
370	2.5906	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.05E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
371	2.29333	3.9E-04	8.9E-04	1090	1	0.96	1E-06	9.32E-07	1.1	10	0.75	70	0.85	9.3E-08	9.3E-02	
372	2.01085	3.9E-04	7.8E-04	1090	1	0.96	1E-06	8.17E-07	1.1	10	0.75	70	0.85	8.2E-08	8.2E-02	
373	1.75992	3.9E-04	6.8E-04	1090	1	0.96	1E-06	7.15E-07	1.1	10	0.75	70	0.85	7.2E-08	7.2E-02	
374	1.54911	3.9E-04	6.0E-04	1090	1	0.96	1E-06	6.30E-07	1.1	10	0.75	70	0.85	6.3E-08	6.3E-02	
375	1.37188	3.9E-04	5.3E-04	1090	1	0.96	1E-06	5.58E-07	1.1	10	0.75	70	0.85	5.6E-08	5.6E-02	
376	1.22419	3.9E-04	4.8E-04	1090	1	0.96	1E-06	4.98E-07	1.1	10	0.75	70	0.85	5.0E-08	5.0E-02	
377	1.10422	3.9E-04	4.3E-04	1090	1	0.96	1E-06	4.49E-07	1.1	10	0.75	70	0.85	4.5E-08	4.5E-02	
378	1.00943	3.9E-04	3.9E-04	1090	1	0.96	1E-06	4.10E-07	1.1	10	0.75	70	0.85	4.1E-08	4.1E-02	
379	1.13041	3.9E-04	4.4E-04	1090	1	0.96	1E-06	4.60E-07	1.1	10	0.75	70	0.85	4.6E-08	4.6E-02	
380	1.28417	3.9E-04	5.0E-04	1090	1	0.96	1E-06	5.22E-07	1.1	10	0.75	70	0.85	5.2E-08	5.2E-02	
381	1.48477	3.9E-04	5.8E-04	1090	1	0.96	1E-06	6.04E-07	1.1	10	0.75	70	0.85	6.0E-08	6.0E-02	
382	1.75389	3.9E-04	6.8E-04	1090	1	0.96	1E-06	7.13E-07	1.1	10	0.75	70	0.85	7.1E-08	7.1E-02	
383	2.12178	3.9E-04	8.3E-04	1090	1	0.96	1E-06	8.63E-07	1.1	10	0.75	70	0.85	8.6E-08	8.6E-02	
384	5.91565	3.9E-04	2.3E-03	1090	1	0.96	1E-06	2.40E-06	1.1	10	0.75	70	0.85	2.4E-07	2.4E-01	
385	6.0714	3.9E-04	2.4E-03	1090	1	0.96	1E-06	2.47E-06	1.1	10	0.75	70	0.85	2.5E-07	2.5E-01	
386	6.20719	3.9E-04	2.4E-03	1090	1	0.96	1E-06	2.52E-06	1.1	10	0.75	70	0.85	2.5E-07	2.5E-01	
387	6.31584	3.9E-04	2.5E-03	1090	1	0.96	1E-06	2.57E-06	1.1	10	0.75	70	0.85	2.6E-07	2.6E-01	
388	6.42088	3.9E-04	2.5E-03	1090	1	0.96	1E-06	2.61E-06	1.1	10	0.75	70	0.85	2.6E-07	2.6E-01	
389	6.51133	3.9E-04	2.5E-03	1090	1	0.96	1E-06	2.65E-06	1.1	10	0.75	70	0.85	2.6E-07	2.6E-01	
390	6.59453	3.9E-04	2.6E-03	1090	1	0.96	1E-06	2.68E-06	1.1	10	0.75	70	0.85	2.7E-07	2.7E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
391	6.6699	3.9E-04	2.6E-03	1090	1	0.96	1E-06	2.71E-06	1.1	10	0.75	70	0.85	2.7E-07	2.7E-01	
392	6.73952	3.9E-04	2.6E-03	1090	1	0.96	1E-06	2.74E-06	1.1	10	0.75	70	0.85	2.7E-07	2.7E-01	
393	6.80546	3.9E-04	2.6E-03	1090	1	0.96	1E-06	2.77E-06	1.1	10	0.75	70	0.85	2.8E-07	2.8E-01	
394	6.87083	3.9E-04	2.7E-03	1090	1	0.96	1E-06	2.79E-06	1.1	10	0.75	70	0.85	2.8E-07	2.8E-01	
395	6.93316	3.9E-04	2.7E-03	1090	1	0.96	1E-06	2.82E-06	1.1	10	0.75	70	0.85	2.8E-07	2.8E-01	
396	7.72716	3.9E-04	3.0E-03	1090	1	0.96	1E-06	3.14E-06	1.1	10	0.75	70	0.85	3.1E-07	3.1E-01	
397	7.76853	3.9E-04	3.0E-03	1090	1	0.96	1E-06	3.16E-06	1.1	10	0.75	70	0.85	3.2E-07	3.2E-01	
398	7.82615	3.9E-04	3.0E-03	1090	1	0.96	1E-06	3.18E-06	1.1	10	0.75	70	0.85	3.2E-07	3.2E-01	
399	7.8451	3.9E-04	3.1E-03	1090	1	0.96	1E-06	3.19E-06	1.1	10	0.75	70	0.85	3.2E-07	3.2E-01	
400	12.21593	3.9E-04	4.8E-03	1090	1	0.96	1E-06	4.97E-06	1.1	10	0.75	70	0.85	5.0E-07	5.0E-01	
401	20.13681	3.9E-04	7.8E-03	1090	1	0.96	1E-06	8.19E-06	1.1	10	0.75	70	0.85	8.2E-07	8.2E-01	
402	5.28732	3.9E-04	2.1E-03	1090	1	0.96	1E-06	2.15E-06	1.1	10	0.75	70	0.85	2.1E-07	2.1E-01	
403	4.63966	3.9E-04	1.8E-03	1090	1	0.96	1E-06	1.89E-06	1.1	10	0.75	70	0.85	1.9E-07	1.9E-01	
404	4.20748	3.9E-04	1.6E-03	1090	1	0.96	1E-06	1.71E-06	1.1	10	0.75	70	0.85	1.7E-07	1.7E-01	
405	2.45804	3.9E-04	9.6E-04	1090	1	0.96	1E-06	9.99E-07	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
406	2.23776	3.9E-04	8.7E-04	1090	1	0.96	1E-06	9.10E-07	1.1	10	0.75	70	0.85	9.1E-08	9.1E-02	
407	2.01674	3.9E-04	7.8E-04	1090	1	0.96	1E-06	8.20E-07	1.1	10	0.75	70	0.85	8.2E-08	8.2E-02	
408	1.80806	3.9E-04	7.0E-04	1090	1	0.96	1E-06	7.35E-07	1.1	10	0.75	70	0.85	7.3E-08	7.3E-02	
409	1.61514	3.9E-04	6.3E-04	1090	1	0.96	1E-06	6.57E-07	1.1	10	0.75	70	0.85	6.6E-08	6.6E-02	
410	1.44472	3.9E-04	5.6E-04	1090	1	0.96	1E-06	5.87E-07	1.1	10	0.75	70	0.85	5.9E-08	5.9E-02	
411	1.29972	3.9E-04	5.1E-04	1090	1	0.96	1E-06	5.28E-07	1.1	10	0.75	70	0.85	5.3E-08	5.3E-02	
412	1.1724	3.9E-04	4.6E-04	1090	1	0.96	1E-06	4.77E-07	1.1	10	0.75	70	0.85	4.8E-08	4.8E-02	
413	1.06636	3.9E-04	4.1E-04	1090	1	0.96	1E-06	4.34E-07	1.1	10	0.75	70	0.85	4.3E-08	4.3E-02	
414	1.02833	3.9E-04	4.0E-04	1090	1	0.96	1E-06	4.18E-07	1.1	10	0.75	70	0.85	4.2E-08	4.2E-02	
415	1.15854	3.9E-04	4.5E-04	1090	1	0.96	1E-06	4.71E-07	1.1	10	0.75	70	0.85	4.7E-08	4.7E-02	
416	1.32844	3.9E-04	5.2E-04	1090	1	0.96	1E-06	5.40E-07	1.1	10	0.75	70	0.85	5.4E-08	5.4E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
417	1.55983	3.9E-04	6.1E-04	1090	1	0.96	1E-06	6.34E-07	1.1	10	0.75	70	0.85	6.3E-08	6.3E-02	
418	1.89249	3.9E-04	7.4E-04	1090	1	0.96	1E-06	7.69E-07	1.1	10	0.75	70	0.85	7.7E-08	7.7E-02	
419	2.40245	3.9E-04	9.3E-04	1090	1	0.96	1E-06	9.77E-07	1.1	10	0.75	70	0.85	9.8E-08	9.8E-02	
420	8.20844	3.9E-04	3.2E-03	1090	1	0.96	1E-06	3.34E-06	1.1	10	0.75	70	0.85	3.3E-07	3.3E-01	
421	8.52389	3.9E-04	3.3E-03	1090	1	0.96	1E-06	3.47E-06	1.1	10	0.75	70	0.85	3.5E-07	3.5E-01	
422	8.76835	3.9E-04	3.4E-03	1090	1	0.96	1E-06	3.56E-06	1.1	10	0.75	70	0.85	3.6E-07	3.6E-01	
423	8.96964	3.9E-04	3.5E-03	1090	1	0.96	1E-06	3.65E-06	1.1	10	0.75	70	0.85	3.6E-07	3.6E-01	
424	9.14222	3.9E-04	3.6E-03	1090	1	0.96	1E-06	3.72E-06	1.1	10	0.75	70	0.85	3.7E-07	3.7E-01	
425	9.29607	3.9E-04	3.6E-03	1090	1	0.96	1E-06	3.78E-06	1.1	10	0.75	70	0.85	3.8E-07	3.8E-01	
426	9.43789	3.9E-04	3.7E-03	1090	1	0.96	1E-06	3.84E-06	1.1	10	0.75	70	0.85	3.8E-07	3.8E-01	
427	9.56765	3.9E-04	3.7E-03	1090	1	0.96	1E-06	3.89E-06	1.1	10	0.75	70	0.85	3.9E-07	3.9E-01	
428	9.69293	3.9E-04	3.8E-03	1090	1	0.96	1E-06	3.94E-06	1.1	10	0.75	70	0.85	3.9E-07	3.9E-01	
429	9.80901	3.9E-04	3.8E-03	1090	1	0.96	1E-06	3.99E-06	1.1	10	0.75	70	0.85	4.0E-07	4.0E-01	
430	9.92105	3.9E-04	3.9E-03	1090	1	0.96	1E-06	4.03E-06	1.1	10	0.75	70	0.85	4.0E-07	4.0E-01	
431	10.03076	3.9E-04	3.9E-03	1090	1	0.96	1E-06	4.08E-06	1.1	10	0.75	70	0.85	4.1E-07	4.1E-01	
432	10.13769	3.9E-04	3.9E-03	1090	1	0.96	1E-06	4.12E-06	1.1	10	0.75	70	0.85	4.1E-07	4.1E-01	
433	10.24597	3.9E-04	4.0E-03	1090	1	0.96	1E-06	4.17E-06	1.1	10	0.75	70	0.85	4.2E-07	4.2E-01	
434	11.82711	3.9E-04	4.6E-03	1090	1	0.96	1E-06	4.81E-06	1.1	10	0.75	70	0.85	4.8E-07	4.8E-01	
435	11.91592	3.9E-04	4.6E-03	1090	1	0.96	1E-06	4.84E-06	1.1	10	0.75	70	0.85	4.8E-07	4.8E-01	
436	11.81781	3.9E-04	4.6E-03	1090	1	0.96	1E-06	4.80E-06	1.1	10	0.75	70	0.85	4.8E-07	4.8E-01	
437	11.77817	3.9E-04	4.6E-03	1090	1	0.96	1E-06	4.79E-06	1.1	10	0.75	70	0.85	4.8E-07	4.8E-01	
438	11.73957	3.9E-04	4.6E-03	1090	1	0.96	1E-06	4.77E-06	1.1	10	0.75	70	0.85	4.8E-07	4.8E-01	
439	14.6681	3.9E-04	5.7E-03	1090	1	0.96	1E-06	5.96E-06	1.1	10	0.75	70	0.85	6.0E-07	6.0E-01	
440	21.5487	3.9E-04	8.4E-03	1090	1	0.96	1E-06	8.76E-06	1.1	10	0.75	70	0.85	8.8E-07	8.8E-01	
441	4.82568	3.9E-04	1.9E-03	1090	1	0.96	1E-06	1.96E-06	1.1	10	0.75	70	0.85	2.0E-07	2.0E-01	
442	4.20218	3.9E-04	1.6E-03	1090	1	0.96	1E-06	1.71E-06	1.1	10	0.75	70	0.85	1.7E-07	1.7E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
443	3.78265	3.9E-04	1.5E-03	1090	1	0.96	1E-06	1.54E-06	1.1	10	0.75	70	0.85	1.5E-07	1.5E-01	
444	3.47529	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.41E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	
445	3.23451	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.31E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
446	3.03219	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.23E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
447	2.85232	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.16E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
448	2.67314	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
449	2.50607	3.9E-04	9.7E-04	1090	1	0.96	1E-06	1.02E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
450	2.33593	3.9E-04	9.1E-04	1090	1	0.96	1E-06	9.50E-07	1.1	10	0.75	70	0.85	9.5E-08	9.5E-02	
451	2.16292	3.9E-04	8.4E-04	1090	1	0.96	1E-06	8.79E-07	1.1	10	0.75	70	0.85	8.8E-08	8.8E-02	
452	1.98651	3.9E-04	7.7E-04	1090	1	0.96	1E-06	8.08E-07	1.1	10	0.75	70	0.85	8.1E-08	8.1E-02	
453	1.81213	3.9E-04	7.0E-04	1090	1	0.96	1E-06	7.37E-07	1.1	10	0.75	70	0.85	7.4E-08	7.4E-02	
454	1.64539	3.9E-04	6.4E-04	1090	1	0.96	1E-06	6.69E-07	1.1	10	0.75	70	0.85	6.7E-08	6.7E-02	
455	1.49344	3.9E-04	5.8E-04	1090	1	0.96	1E-06	6.07E-07	1.1	10	0.75	70	0.85	6.1E-08	6.1E-02	
456	1.35346	3.9E-04	5.3E-04	1090	1	0.96	1E-06	5.50E-07	1.1	10	0.75	70	0.85	5.5E-08	5.5E-02	
457	1.23158	3.9E-04	4.8E-04	1090	1	0.96	1E-06	5.01E-07	1.1	10	0.75	70	0.85	5.0E-08	5.0E-02	
458	1.12123	3.9E-04	4.4E-04	1090	1	0.96	1E-06	4.56E-07	1.1	10	0.75	70	0.85	4.6E-08	4.6E-02	
459	1.0251	3.9E-04	4.0E-04	1090	1	0.96	1E-06	4.17E-07	1.1	10	0.75	70	0.85	4.2E-08	4.2E-02	
460	1.03856	3.9E-04	4.0E-04	1090	1	0.96	1E-06	4.22E-07	1.1	10	0.75	70	0.85	4.2E-08	4.2E-02	
461	1.17485	3.9E-04	4.6E-04	1090	1	0.96	1E-06	4.78E-07	1.1	10	0.75	70	0.85	4.8E-08	4.8E-02	
462	1.35541	3.9E-04	5.3E-04	1090	1	0.96	1E-06	5.51E-07	1.1	10	0.75	70	0.85	5.5E-08	5.5E-02	
463	1.6086	3.9E-04	6.3E-04	1090	1	0.96	1E-06	6.54E-07	1.1	10	0.75	70	0.85	6.5E-08	6.5E-02	
464	1.99258	3.9E-04	7.8E-04	1090	1	0.96	1E-06	8.10E-07	1.1	10	0.75	70	0.85	8.1E-08	8.1E-02	
465	2.65552	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.08E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
466	16.28903	3.9E-04	6.3E-03	1090	1	0.96	1E-06	6.62E-06	1.1	10	0.75	70	0.85	6.6E-07	6.6E-01	
467	16.8094	3.9E-04	6.5E-03	1090	1	0.96	1E-06	6.83E-06	1.1	10	0.75	70	0.85	6.8E-07	6.8E-01	
468	17.26371	3.9E-04	6.7E-03	1090	1	0.96	1E-06	7.02E-06	1.1	10	0.75	70	0.85	7.0E-07	7.0E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
469	17.67089	3.9E-04	6.9E-03	1090	1	0.96	1E-06	7.18E-06	1.1	10	0.75	70	0.85	7.2E-07	7.2E-01	
470	18.04381	3.9E-04	7.0E-03	1090	1	0.96	1E-06	7.34E-06	1.1	10	0.75	70	0.85	7.3E-07	7.3E-01	
471	18.43174	3.9E-04	7.2E-03	1090	1	0.96	1E-06	7.49E-06	1.1	10	0.75	70	0.85	7.5E-07	7.5E-01	
472	18.80124	3.9E-04	7.3E-03	1090	1	0.96	1E-06	7.64E-06	1.1	10	0.75	70	0.85	7.6E-07	7.6E-01	
473	19.17216	3.9E-04	7.5E-03	1090	1	0.96	1E-06	7.79E-06	1.1	10	0.75	70	0.85	7.8E-07	7.8E-01	
474	19.54785	3.9E-04	7.6E-03	1090	1	0.96	1E-06	7.95E-06	1.1	10	0.75	70	0.85	7.9E-07	7.9E-01	
475	19.92912	3.9E-04	7.8E-03	1090	1	0.96	1E-06	8.10E-06	1.1	10	0.75	70	0.85	8.1E-07	8.1E-01	
476	20.30826	3.9E-04	7.9E-03	1090	1	0.96	1E-06	8.26E-06	1.1	10	0.75	70	0.85	8.3E-07	8.3E-01	
477	20.69762	3.9E-04	8.1E-03	1090	1	0.96	1E-06	8.41E-06	1.1	10	0.75	70	0.85	8.4E-07	8.4E-01	
478	21.10277	3.9E-04	8.2E-03	1090	1	0.96	1E-06	8.58E-06	1.1	10	0.75	70	0.85	8.6E-07	8.6E-01	
479	21.47947	3.9E-04	8.4E-03	1090	1	0.96	1E-06	8.73E-06	1.1	10	0.75	70	0.85	8.7E-07	8.7E-01	
480	21.00215	3.9E-04	8.2E-03	1090	1	0.96	1E-06	8.54E-06	1.1	10	0.75	70	0.85	8.5E-07	8.5E-01	
481	21.52662	3.9E-04	8.4E-03	1090	1	0.96	1E-06	8.75E-06	1.1	10	0.75	70	0.85	8.8E-07	8.8E-01	
482	21.11048	3.9E-04	8.2E-03	1090	1	0.96	1E-06	8.58E-06	1.1	10	0.75	70	0.85	8.6E-07	8.6E-01	
483	4.39966	3.9E-04	1.7E-03	1090	1	0.96	1E-06	1.79E-06	1.1	10	0.75	70	0.85	1.8E-07	1.8E-01	
484	3.82719	3.9E-04	1.5E-03	1090	1	0.96	1E-06	1.56E-06	1.1	10	0.75	70	0.85	1.6E-07	1.6E-01	
485	3.43472	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.40E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	
486	3.14364	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.28E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
487	2.91466	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.18E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
488	2.72277	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.11E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
489	2.55422	3.9E-04	9.9E-04	1090	1	0.96	1E-06	1.04E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
490	2.38919	3.9E-04	9.3E-04	1090	1	0.96	1E-06	9.71E-07	1.1	10	0.75	70	0.85	9.7E-08	9.7E-02	
491	2.2382	3.9E-04	8.7E-04	1090	1	0.96	1E-06	9.10E-07	1.1	10	0.75	70	0.85	9.1E-08	9.1E-02	
492	2.08885	3.9E-04	8.1E-04	1090	1	0.96	1E-06	8.49E-07	1.1	10	0.75	70	0.85	8.5E-08	8.5E-02	
493	1.9409	3.9E-04	7.5E-04	1090	1	0.96	1E-06	7.89E-07	1.1	10	0.75	70	0.85	7.9E-08	7.9E-02	
494	1.79587	3.9E-04	7.0E-04	1090	1	0.96	1E-06	7.30E-07	1.1	10	0.75	70	0.85	7.3E-08	7.3E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
495	1.65252	3.9E-04	6.4E-04	1090	1	0.96	1E-06	6.72E-07	1.1	10	0.75	70	0.85	6.7E-08	6.7E-02	
496	1.51531	3.9E-04	5.9E-04	1090	1	0.96	1E-06	6.16E-07	1.1	10	0.75	70	0.85	6.2E-08	6.2E-02	
497	1.3901	3.9E-04	5.4E-04	1090	1	0.96	1E-06	5.65E-07	1.1	10	0.75	70	0.85	5.7E-08	5.7E-02	
498	1.27238	3.9E-04	4.9E-04	1090	1	0.96	1E-06	5.17E-07	1.1	10	0.75	70	0.85	5.2E-08	5.2E-02	
499	1.1684	3.9E-04	4.5E-04	1090	1	0.96	1E-06	4.75E-07	1.1	10	0.75	70	0.85	4.7E-08	4.7E-02	
500	1.07198	3.9E-04	4.2E-04	1090	1	0.96	1E-06	4.36E-07	1.1	10	0.75	70	0.85	4.4E-08	4.4E-02	
501	0.98832	3.9E-04	3.8E-04	1090	1	0.96	1E-06	4.02E-07	1.1	10	0.75	70	0.85	4.0E-08	4.0E-02	
502	1.03921	3.9E-04	4.0E-04	1090	1	0.96	1E-06	4.22E-07	1.1	10	0.75	70	0.85	4.2E-08	4.2E-02	
503	1.17658	3.9E-04	4.6E-04	1090	1	0.96	1E-06	4.78E-07	1.1	10	0.75	70	0.85	4.8E-08	4.8E-02	
504	19.7394	3.9E-04	7.7E-03	1090	1	0.96	1E-06	8.02E-06	1.1	10	0.75	70	0.85	8.0E-07	8.0E-01	
505	20.03007	3.9E-04	7.8E-03	1090	1	0.96	1E-06	8.14E-06	1.1	10	0.75	70	0.85	8.1E-07	8.1E-01	
506	20.37447	3.9E-04	7.9E-03	1090	1	0.96	1E-06	8.28E-06	1.1	10	0.75	70	0.85	8.3E-07	8.3E-01	
507	20.71009	3.9E-04	8.1E-03	1090	1	0.96	1E-06	8.42E-06	1.1	10	0.75	70	0.85	8.4E-07	8.4E-01	
508	21.07286	3.9E-04	8.2E-03	1090	1	0.96	1E-06	8.57E-06	1.1	10	0.75	70	0.85	8.6E-07	8.6E-01	
509	3.13229	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.27E-06	1.1	10	0.75	70	0.85	1.3E-07	1.3E-01	
510	1.03013	3.9E-04	4.0E-04	1090	1	0.96	1E-06	4.19E-07	1.1	10	0.75	70	0.85	4.2E-08	4.2E-02	
511	1.1633	3.9E-04	4.5E-04	1090	1	0.96	1E-06	4.73E-07	1.1	10	0.75	70	0.85	4.7E-08	4.7E-02	
512	9.6419	3.9E-04	3.8E-03	1090	1	0.96	1E-06	3.92E-06	1.1	10	0.75	70	0.85	3.9E-07	3.9E-01	
513	9.71131	3.9E-04	3.8E-03	1090	1	0.96	1E-06	3.95E-06	1.1	10	0.75	70	0.85	3.9E-07	3.9E-01	
514	9.7921	3.9E-04	3.8E-03	1090	1	0.96	1E-06	3.98E-06	1.1	10	0.75	70	0.85	4.0E-07	4.0E-01	
515	9.87162	3.9E-04	3.8E-03	1090	1	0.96	1E-06	4.01E-06	1.1	10	0.75	70	0.85	4.0E-07	4.0E-01	
516	9.95648	3.9E-04	3.9E-03	1090	1	0.96	1E-06	4.05E-06	1.1	10	0.75	70	0.85	4.0E-07	4.0E-01	
517	2.8603	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.16E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
518	0.99758	3.9E-04	3.9E-04	1090	1	0.96	1E-06	4.06E-07	1.1	10	0.75	70	0.85	4.1E-08	4.1E-02	
519	1.13681	3.9E-04	4.4E-04	1090	1	0.96	1E-06	4.62E-07	1.1	10	0.75	70	0.85	4.6E-08	4.6E-02	
520	6.66431	3.9E-04	2.6E-03	1090	1	0.96	1E-06	2.71E-06	1.1	10	0.75	70	0.85	2.7E-07	2.7E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
521	6.70298	3.9E-04	2.6E-03	1090	1	0.96	1E-06	2.72E-06	1.1	10	0.75	70	0.85	2.7E-07	2.7E-01	
522	6.744	3.9E-04	2.6E-03	1090	1	0.96	1E-06	2.74E-06	1.1	10	0.75	70	0.85	2.7E-07	2.7E-01	
523	6.78567	3.9E-04	2.6E-03	1090	1	0.96	1E-06	2.76E-06	1.1	10	0.75	70	0.85	2.8E-07	2.8E-01	
524	2.613	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.06E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
525	0.91608	3.9E-04	3.6E-04	1090	1	0.96	1E-06	3.72E-07	1.1	10	0.75	70	0.85	3.7E-08	3.7E-02	
526	1.05984	3.9E-04	4.1E-04	1090	1	0.96	1E-06	4.31E-07	1.1	10	0.75	70	0.85	4.3E-08	4.3E-02	
527	2.38876	3.9E-04	9.3E-04	1090	1	0.96	1E-06	9.71E-07	1.1	10	0.75	70	0.85	9.7E-08	9.7E-02	
528	3.62424	3.9E-04	1.4E-03	1090	1	0.96	1E-06	1.47E-06	1.1	10	0.75	70	0.85	1.5E-07	1.5E-01	
529	3.34265	3.9E-04	1.3E-03	1090	1	0.96	1E-06	1.36E-06	1.1	10	0.75	70	0.85	1.4E-07	1.4E-01	
530	3.0583	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.24E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
531	2.79373	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.14E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
532	2.56039	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.04E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
533	2.35984	3.9E-04	9.2E-04	1090	1	0.96	1E-06	9.59E-07	1.1	10	0.75	70	0.85	9.6E-08	9.6E-02	
534	2.18697	3.9E-04	8.5E-04	1090	1	0.96	1E-06	8.89E-07	1.1	10	0.75	70	0.85	8.9E-08	8.9E-02	
535	3.06504	3.9E-04	1.2E-03	1090	1	0.96	1E-06	1.25E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
536	2.87259	3.9E-04	1.1E-03	1090	1	0.96	1E-06	1.17E-06	1.1	10	0.75	70	0.85	1.2E-07	1.2E-01	
537	2.67475	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.09E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
538	2.48308	3.9E-04	9.7E-04	1090	1	0.96	1E-06	1.01E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
539	2.30642	3.9E-04	9.0E-04	1090	1	0.96	1E-06	9.38E-07	1.1	10	0.75	70	0.85	9.4E-08	9.4E-02	
540	2.14823	3.9E-04	8.4E-04	1090	1	0.96	1E-06	8.73E-07	1.1	10	0.75	70	0.85	8.7E-08	8.7E-02	
541	2.00665	3.9E-04	7.8E-04	1090	1	0.96	1E-06	8.16E-07	1.1	10	0.75	70	0.85	8.2E-08	8.2E-02	
542	2.65651	3.9E-04	1.0E-03	1090	1	0.96	1E-06	1.08E-06	1.1	10	0.75	70	0.85	1.1E-07	1.1E-01	
543	2.51638	3.9E-04	9.8E-04	1090	1	0.96	1E-06	1.02E-06	1.1	10	0.75	70	0.85	1.0E-07	1.0E-01	
544	2.37103	3.9E-04	9.2E-04	1090	1	0.96	1E-06	9.64E-07	1.1	10	0.75	70	0.85	9.6E-08	9.6E-02	
545	2.22654	3.9E-04	8.7E-04	1090	1	0.96	1E-06	9.05E-07	1.1	10	0.75	70	0.85	9.1E-08	9.1E-02	
546	2.09061	3.9E-04	8.1E-04	1090	1	0.96	1E-06	8.50E-07	1.1	10	0.75	70	0.85	8.5E-08	8.5E-02	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Risk from Birth to 2 Years

Receptor #	Conc	g/sec	Cair	DBR	A	EF	Constant1	DOSE	CPF	ASF	ED	AT	FAH	RISK (0-2)	(Risk/Mill)	MAX
547	1.9629	3.9E-04	7.6E-04	1090	1	0.96	1E-06	7.98E-07	1.1	10	0.75	70	0.85	8.0E-08	8.0E-02	
548	1.8463	3.9E-04	7.2E-04	1090	1	0.96	1E-06	7.51E-07	1.1	10	0.75	70	0.85	7.5E-08	7.5E-02	
549	2.34332	3.9E-04	9.1E-04	1090	1	0.96	1E-06	9.53E-07	1.1	10	0.75	70	0.85	9.5E-08	9.5E-02	
550	2.23648	3.9E-04	8.7E-04	1090	1	0.96	1E-06	9.09E-07	1.1	10	0.75	70	0.85	9.1E-08	9.1E-02	
551	2.1252	3.9E-04	8.3E-04	1090	1	0.96	1E-06	8.64E-07	1.1	10	0.75	70	0.85	8.6E-08	8.6E-02	
552	2.01258	3.9E-04	7.8E-04	1090	1	0.96	1E-06	8.18E-07	1.1	10	0.75	70	0.85	8.2E-08	8.2E-02	
553	1.90474	3.9E-04	7.4E-04	1090	1	0.96	1E-06	7.74E-07	1.1	10	0.75	70	0.85	7.7E-08	7.7E-02	
554	1.80083	3.9E-04	7.0E-04	1090	1	0.96	1E-06	7.32E-07	1.1	10	0.75	70	0.85	7.3E-08	7.3E-02	
555	1.70437	3.9E-04	6.6E-04	1090	1	0.96	1E-06	6.93E-07	1.1	10	0.75	70	0.85	6.9E-08	6.9E-02	
556	27.1114	3.9E-04	1.1E-02	1090	1	0.96	1E-06	1.10E-05	1.1	10	0.75	70	0.85	1.1E-06	1.1E+00	
557	21.37182	3.9E-04	8.3E-03	1090	1	0.96	1E-06	8.69E-06	1.1	10	0.75	70	0.85	8.7E-07	8.7E-01	
558	12.07993	3.9E-04	4.7E-03	1090	1	0.96	1E-06	4.91E-06	1.1	10	0.75	70	0.85	4.9E-07	4.9E-01	
559	12.48322	3.9E-04	4.9E-03	1090	1	0.96	1E-06	5.07E-06	1.1	10	0.75	70	0.85	5.1E-07	5.1E-01	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI	
1	7.69E-04	5	1.54E-04	**Max**
2	7.95E-04	5	1.59E-04	2.11E-03
3	8.22E-04	5	1.64E-04	
4	8.54E-04	5	1.71E-04	
5	8.87E-04	5	1.77E-04	
6	9.24E-04	5	1.85E-04	
7	9.61E-04	5	1.92E-04	
8	9.99E-04	5	2.00E-04	
9	1.03E-03	5	2.07E-04	
10	1.06E-03	5	2.12E-04	
11	1.08E-03	5	2.16E-04	
12	1.09E-03	5	2.18E-04	
13	1.09E-03	5	2.18E-04	
14	1.08E-03	5	2.16E-04	
15	1.06E-03	5	2.12E-04	
16	1.03E-03	5	2.07E-04	
17	1.00E-03	5	2.01E-04	
18	9.70E-04	5	1.94E-04	
19	9.32E-04	5	1.86E-04	
20	8.89E-04	5	1.78E-04	
21	8.43E-04	5	1.69E-04	
22	7.94E-04	5	1.59E-04	
23	7.41E-04	5	1.48E-04	
24	6.86E-04	5	1.37E-04	
25	6.29E-04	5	1.26E-04	
26	5.74E-04	5	1.15E-04	

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
27	5.20E-04	5	1.04E-04
28	4.71E-04	5	9.42E-05
29	4.28E-04	5	8.55E-05
30	3.89E-04	5	7.78E-05
31	8.32E-04	5	1.66E-04
32	8.63E-04	5	1.73E-04
33	8.99E-04	5	1.80E-04
34	9.41E-04	5	1.88E-04
35	9.87E-04	5	1.97E-04
36	1.04E-03	5	2.07E-04
37	1.09E-03	5	2.18E-04
38	1.14E-03	5	2.29E-04
39	1.19E-03	5	2.39E-04
40	1.23E-03	5	2.46E-04
41	1.26E-03	5	2.52E-04
42	1.27E-03	5	2.54E-04
43	1.26E-03	5	2.53E-04
44	1.25E-03	5	2.50E-04
45	1.22E-03	5	2.45E-04
46	1.19E-03	5	2.39E-04
47	1.16E-03	5	2.31E-04
48	1.12E-03	5	2.23E-04
49	1.07E-03	5	2.14E-04
50	1.02E-03	5	2.04E-04
51	9.63E-04	5	1.93E-04
52	9.01E-04	5	1.80E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
53	8.34E-04	5	1.67E-04
54	7.63E-04	5	1.53E-04
55	6.92E-04	5	1.38E-04
56	6.21E-04	5	1.24E-04
57	5.55E-04	5	1.11E-04
58	4.97E-04	5	9.94E-05
59	4.46E-04	5	8.92E-05
60	4.03E-04	5	8.06E-05
61	9.02E-04	5	1.80E-04
62	9.41E-04	5	1.88E-04
63	9.88E-04	5	1.98E-04
64	1.04E-03	5	2.09E-04
65	1.11E-03	5	2.22E-04
66	1.18E-03	5	2.36E-04
67	1.26E-03	5	2.52E-04
68	1.34E-03	5	2.67E-04
69	1.41E-03	5	2.82E-04
70	1.46E-03	5	2.93E-04
71	1.50E-03	5	2.99E-04
72	1.50E-03	5	3.01E-04
73	1.50E-03	5	2.99E-04
74	1.47E-03	5	2.95E-04
75	1.44E-03	5	2.89E-04
76	1.41E-03	5	2.81E-04
77	1.36E-03	5	2.72E-04
78	1.31E-03	5	2.62E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
79	1.26E-03	5	2.51E-04
80	1.19E-03	5	2.39E-04
81	1.12E-03	5	2.25E-04
82	1.04E-03	5	2.09E-04
83	9.57E-04	5	1.91E-04
84	8.64E-04	5	1.73E-04
85	7.68E-04	5	1.54E-04
86	6.76E-04	5	1.35E-04
87	5.93E-04	5	1.19E-04
88	5.23E-04	5	1.05E-04
89	4.65E-04	5	9.30E-05
90	4.17E-04	5	8.34E-05
91	9.79E-04	5	1.96E-04
92	1.03E-03	5	2.06E-04
93	1.09E-03	5	2.18E-04
94	1.17E-03	5	2.33E-04
95	1.26E-03	5	2.51E-04
96	1.36E-03	5	2.73E-04
97	1.48E-03	5	2.97E-04
98	1.61E-03	5	3.22E-04
99	1.72E-03	5	3.44E-04
100	1.79E-03	5	3.59E-04
101	1.83E-03	5	3.66E-04
102	1.83E-03	5	3.67E-04
103	1.82E-03	5	3.63E-04
104	1.79E-03	5	3.57E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
105	1.74E-03	5	3.49E-04
106	1.70E-03	5	3.40E-04
107	1.65E-03	5	3.29E-04
108	1.59E-03	5	3.18E-04
109	1.52E-03	5	3.04E-04
110	1.45E-03	5	2.89E-04
111	1.36E-03	5	2.71E-04
112	1.25E-03	5	2.50E-04
113	1.13E-03	5	2.26E-04
114	9.99E-04	5	2.00E-04
115	8.63E-04	5	1.73E-04
116	7.39E-04	5	1.48E-04
117	6.34E-04	5	1.27E-04
118	5.50E-04	5	1.10E-04
119	4.83E-04	5	9.66E-05
120	4.31E-04	5	8.62E-05
121	1.07E-03	5	2.13E-04
122	1.13E-03	5	2.25E-04
123	1.21E-03	5	2.41E-04
124	1.31E-03	5	2.62E-04
125	1.44E-03	5	2.89E-04
126	1.61E-03	5	3.22E-04
127	1.81E-03	5	3.62E-04
128	2.03E-03	5	4.05E-04
129	2.20E-03	5	4.41E-04
130	2.31E-03	5	4.61E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
131	2.34E-03	5	4.68E-04
132	2.33E-03	5	4.65E-04
133	2.29E-03	5	4.59E-04
134	2.25E-03	5	4.50E-04
135	2.20E-03	5	4.39E-04
136	2.14E-03	5	4.28E-04
137	2.08E-03	5	4.16E-04
138	2.01E-03	5	4.02E-04
139	1.93E-03	5	3.86E-04
140	1.84E-03	5	3.67E-04
141	1.72E-03	5	3.44E-04
142	1.57E-03	5	3.15E-04
143	1.40E-03	5	2.79E-04
144	1.19E-03	5	2.38E-04
145	9.85E-04	5	1.97E-04
146	8.09E-04	5	1.62E-04
147	6.74E-04	5	1.35E-04
148	5.75E-04	5	1.15E-04
149	5.01E-04	5	1.00E-04
150	4.43E-04	5	8.86E-05
151	1.16E-03	5	2.32E-04
152	1.24E-03	5	2.47E-04
153	1.34E-03	5	2.68E-04
154	1.48E-03	5	2.96E-04
155	1.68E-03	5	3.35E-04
156	1.95E-03	5	3.91E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
157	2.33E-03	5	4.66E-04
158	2.76E-03	5	5.52E-04
159	3.08E-03	5	6.15E-04
160	3.19E-03	5	6.39E-04
161	3.20E-03	5	6.39E-04
162	3.15E-03	5	6.31E-04
163	3.09E-03	5	6.19E-04
164	3.03E-03	5	6.06E-04
165	2.96E-03	5	5.93E-04
166	2.90E-03	5	5.79E-04
167	2.82E-03	5	5.64E-04
168	2.74E-03	5	5.48E-04
169	2.65E-03	5	5.29E-04
170	2.53E-03	5	5.06E-04
171	2.37E-03	5	4.75E-04
172	2.16E-03	5	4.32E-04
173	1.86E-03	5	3.73E-04
174	1.49E-03	5	2.99E-04
175	1.14E-03	5	2.28E-04
176	8.83E-04	5	1.77E-04
177	7.13E-04	5	1.43E-04
178	5.98E-04	5	1.20E-04
179	5.16E-04	5	1.03E-04
180	4.54E-04	5	9.08E-05
181	1.27E-03	5	2.53E-04
182	1.35E-03	5	2.71E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
183	1.48E-03	5	2.96E-04
184	1.67E-03	5	3.33E-04
185	1.96E-03	5	3.91E-04
186	2.44E-03	5	4.88E-04
187	3.30E-03	5	6.59E-04
188	4.49E-03	5	8.99E-04
189	5.08E-03	5	1.02E-03
190	5.12E-03	5	1.02E-03
191	5.03E-03	5	1.01E-03
192	4.93E-03	5	9.86E-04
193	4.83E-03	5	9.66E-04
194	4.73E-03	5	9.47E-04
195	4.64E-03	5	9.28E-04
196	4.55E-03	5	9.09E-04
197	4.45E-03	5	8.90E-04
198	4.35E-03	5	8.69E-04
199	4.23E-03	5	8.45E-04
200	4.08E-03	5	8.15E-04
201	2.05E-03	5	4.10E-04
202	1.32E-03	5	2.64E-04
203	9.48E-04	5	1.90E-04
204	7.45E-04	5	1.49E-04
205	6.17E-04	5	1.23E-04
206	5.28E-04	5	1.06E-04
207	4.62E-04	5	9.24E-05
208	1.38E-03	5	2.76E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
209	1.48E-03	5	2.97E-04
210	1.63E-03	5	3.26E-04
211	1.86E-03	5	3.73E-04
212	2.26E-03	5	4.52E-04
213	3.05E-03	5	6.11E-04
214	5.38E-03	5	1.08E-03
215	9.67E-03	5	1.93E-03
216	7.32E-03	5	1.46E-03
217	7.00E-03	5	1.40E-03
218	9.20E-03	5	1.84E-03
219	6.60E-03	5	1.32E-03
220	6.50E-03	5	1.30E-03
221	8.67E-03	5	1.73E-03
222	6.23E-03	5	1.25E-03
223	8.56E-03	5	1.71E-03
224	8.24E-03	5	1.65E-03
225	5.91E-03	5	1.18E-03
226	8.03E-03	5	1.61E-03
227	7.72E-03	5	1.54E-03
228	3.17E-03	5	6.35E-04
229	1.46E-03	5	2.92E-04
230	9.88E-04	5	1.98E-04
231	7.62E-04	5	1.52E-04
232	6.27E-04	5	1.25E-04
233	5.34E-04	5	1.07E-04
234	4.67E-04	5	9.35E-05

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
235	3.31E-04	5	6.63E-05
236	3.57E-04	5	7.15E-05
237	3.86E-04	5	7.73E-05
238	4.19E-04	5	8.38E-05
239	4.55E-04	5	9.09E-05
240	4.94E-04	5	9.88E-05
241	8.51E-04	5	1.70E-04
242	8.84E-04	5	1.77E-04
243	9.13E-04	5	1.83E-04
244	9.54E-04	5	1.91E-04
245	9.63E-04	5	1.93E-04
246	9.84E-04	5	1.97E-04
247	1.00E-03	5	2.01E-04
248	1.02E-03	5	2.04E-04
249	1.03E-03	5	2.07E-04
250	1.05E-03	5	2.09E-04
251	1.06E-03	5	2.12E-04
252	1.07E-03	5	2.14E-04
253	3.57E-03	5	7.14E-04
254	7.21E-03	5	1.44E-03
255	7.29E-03	5	1.46E-03
256	7.29E-03	5	1.46E-03
257	7.27E-03	5	1.45E-03
258	7.26E-03	5	1.45E-03
259	7.21E-03	5	1.44E-03
260	7.08E-03	5	1.42E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
261	6.77E-03	5	1.35E-03
262	5.69E-03	5	1.14E-03
263	3.45E-04	5	6.89E-05
264	3.74E-04	5	7.49E-05
265	4.08E-04	5	8.16E-05
266	4.46E-04	5	8.92E-05
267	4.89E-04	5	9.78E-05
268	5.37E-04	5	1.07E-04
269	1.01E-03	5	2.03E-04
270	1.07E-03	5	2.15E-04
271	1.11E-03	5	2.23E-04
272	1.10E-03	5	2.20E-04
273	1.12E-03	5	2.25E-04
274	1.14E-03	5	2.29E-04
275	1.16E-03	5	2.32E-04
276	1.18E-03	5	2.35E-04
277	1.19E-03	5	2.38E-04
278	1.21E-03	5	2.41E-04
279	1.22E-03	5	2.44E-04
280	3.86E-03	5	7.72E-04
281	7.48E-03	5	1.50E-03
282	3.62E-03	5	7.23E-04
283	3.55E-03	5	7.09E-04
284	3.47E-03	5	6.95E-04
285	3.39E-03	5	6.78E-04
286	3.28E-03	5	6.56E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
287	3.12E-03	5	6.23E-04
288	2.84E-03	5	5.69E-04
289	2.37E-03	5	4.74E-04
290	3.58E-04	5	7.16E-05
291	3.92E-04	5	7.83E-05
292	4.31E-04	5	8.62E-05
293	4.76E-04	5	9.53E-05
294	5.29E-04	5	1.06E-04
295	5.90E-04	5	1.18E-04
296	1.19E-03	5	2.38E-04
297	1.27E-03	5	2.54E-04
298	1.29E-03	5	2.59E-04
299	1.28E-03	5	2.56E-04
300	1.31E-03	5	2.62E-04
301	1.33E-03	5	2.66E-04
302	1.37E-03	5	2.73E-04
303	1.36E-03	5	2.73E-04
304	1.38E-03	5	2.76E-04
305	1.40E-03	5	2.79E-04
306	1.41E-03	5	2.82E-04
307	1.64E-03	5	3.28E-04
308	1.66E-03	5	3.32E-04
309	4.03E-03	5	8.05E-04
310	7.53E-03	5	1.51E-03
311	2.51E-03	5	5.02E-04
312	2.43E-03	5	4.86E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
313	2.35E-03	5	4.70E-04
314	2.26E-03	5	4.52E-04
315	2.15E-03	5	4.31E-04
316	2.02E-03	5	4.03E-04
317	1.83E-03	5	3.66E-04
318	1.57E-03	5	3.15E-04
319	3.71E-04	5	7.42E-05
320	4.09E-04	5	8.18E-05
321	4.55E-04	5	9.09E-05
322	5.09E-04	5	1.02E-04
323	5.75E-04	5	1.15E-04
324	6.53E-04	5	1.31E-04
325	1.43E-03	5	2.86E-04
326	1.47E-03	5	2.93E-04
327	1.50E-03	5	3.00E-04
328	1.53E-03	5	3.06E-04
329	1.56E-03	5	3.12E-04
330	1.58E-03	5	3.17E-04
331	1.60E-03	5	3.21E-04
332	1.62E-03	5	3.24E-04
333	1.64E-03	5	3.28E-04
334	1.66E-03	5	3.31E-04
335	1.67E-03	5	3.34E-04
336	1.92E-03	5	3.83E-04
337	1.94E-03	5	3.87E-04
338	4.17E-03	5	8.35E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
339	7.56E-03	5	1.51E-03
340	1.37E-03	5	2.75E-04
341	1.22E-03	5	2.43E-04
342	3.83E-04	5	7.65E-05
343	4.25E-04	5	8.51E-05
344	4.78E-04	5	9.56E-05
345	5.44E-04	5	1.09E-04
346	6.26E-04	5	1.25E-04
347	7.31E-04	5	1.46E-04
348	1.73E-03	5	3.46E-04
349	1.78E-03	5	3.57E-04
350	1.83E-03	5	3.66E-04
351	1.86E-03	5	3.73E-04
352	1.90E-03	5	3.80E-04
353	1.93E-03	5	3.86E-04
354	1.96E-03	5	3.91E-04
355	1.98E-03	5	3.96E-04
356	1.99E-03	5	3.99E-04
357	2.02E-03	5	4.03E-04
358	2.04E-03	5	4.08E-04
359	2.06E-03	5	4.12E-04
360	2.27E-03	5	4.55E-04
361	2.29E-03	5	4.57E-04
362	2.33E-03	5	4.67E-04
363	2.35E-03	5	4.70E-04
364	4.38E-03	5	8.75E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
365	7.64E-03	5	1.53E-03
366	2.27E-03	5	4.54E-04
367	2.02E-03	5	4.04E-04
368	1.86E-03	5	3.71E-04
369	1.12E-03	5	2.24E-04
370	1.01E-03	5	2.02E-04
371	8.92E-04	5	1.78E-04
372	7.82E-04	5	1.56E-04
373	6.85E-04	5	1.37E-04
374	6.03E-04	5	1.21E-04
375	5.34E-04	5	1.07E-04
376	4.76E-04	5	9.52E-05
377	4.29E-04	5	8.59E-05
378	3.93E-04	5	7.85E-05
379	4.40E-04	5	8.79E-05
380	4.99E-04	5	9.99E-05
381	5.77E-04	5	1.15E-04
382	6.82E-04	5	1.36E-04
383	8.25E-04	5	1.65E-04
384	2.30E-03	5	4.60E-04
385	2.36E-03	5	4.72E-04
386	2.41E-03	5	4.83E-04
387	2.46E-03	5	4.91E-04
388	2.50E-03	5	4.99E-04
389	2.53E-03	5	5.07E-04
390	2.56E-03	5	5.13E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
391	2.59E-03	5	5.19E-04
392	2.62E-03	5	5.24E-04
393	2.65E-03	5	5.29E-04
394	2.67E-03	5	5.34E-04
395	2.70E-03	5	5.39E-04
396	3.01E-03	5	6.01E-04
397	3.02E-03	5	6.04E-04
398	3.04E-03	5	6.09E-04
399	3.05E-03	5	6.10E-04
400	4.75E-03	5	9.50E-04
401	7.83E-03	5	1.57E-03
402	2.06E-03	5	4.11E-04
403	1.80E-03	5	3.61E-04
404	1.64E-03	5	3.27E-04
405	9.56E-04	5	1.91E-04
406	8.70E-04	5	1.74E-04
407	7.84E-04	5	1.57E-04
408	7.03E-04	5	1.41E-04
409	6.28E-04	5	1.26E-04
410	5.62E-04	5	1.12E-04
411	5.06E-04	5	1.01E-04
412	4.56E-04	5	9.12E-05
413	4.15E-04	5	8.30E-05
414	4.00E-04	5	8.00E-05
415	4.51E-04	5	9.01E-05
416	5.17E-04	5	1.03E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
417	6.07E-04	5	1.21E-04
418	7.36E-04	5	1.47E-04
419	9.34E-04	5	1.87E-04
420	3.19E-03	5	6.39E-04
421	3.32E-03	5	6.63E-04
422	3.41E-03	5	6.82E-04
423	3.49E-03	5	6.98E-04
424	3.56E-03	5	7.11E-04
425	3.62E-03	5	7.23E-04
426	3.67E-03	5	7.34E-04
427	3.72E-03	5	7.44E-04
428	3.77E-03	5	7.54E-04
429	3.82E-03	5	7.63E-04
430	3.86E-03	5	7.72E-04
431	3.90E-03	5	7.80E-04
432	3.94E-03	5	7.89E-04
433	3.99E-03	5	7.97E-04
434	4.60E-03	5	9.20E-04
435	4.63E-03	5	9.27E-04
436	4.60E-03	5	9.19E-04
437	4.58E-03	5	9.16E-04
438	4.57E-03	5	9.13E-04
439	5.71E-03	5	1.14E-03
440	8.38E-03	5	1.68E-03
441	1.88E-03	5	3.75E-04
442	1.63E-03	5	3.27E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
443	1.47E-03	5	2.94E-04
444	1.35E-03	5	2.70E-04
445	1.26E-03	5	2.52E-04
446	1.18E-03	5	2.36E-04
447	1.11E-03	5	2.22E-04
448	1.04E-03	5	2.08E-04
449	9.75E-04	5	1.95E-04
450	9.09E-04	5	1.82E-04
451	8.41E-04	5	1.68E-04
452	7.73E-04	5	1.55E-04
453	7.05E-04	5	1.41E-04
454	6.40E-04	5	1.28E-04
455	5.81E-04	5	1.16E-04
456	5.26E-04	5	1.05E-04
457	4.79E-04	5	9.58E-05
458	4.36E-04	5	8.72E-05
459	3.99E-04	5	7.97E-05
460	4.04E-04	5	8.08E-05
461	4.57E-04	5	9.14E-05
462	5.27E-04	5	1.05E-04
463	6.26E-04	5	1.25E-04
464	7.75E-04	5	1.55E-04
465	1.03E-03	5	2.07E-04
466	6.34E-03	5	1.27E-03
467	6.54E-03	5	1.31E-03
468	6.71E-03	5	1.34E-03

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
469	6.87E-03	5	1.37E-03
470	7.02E-03	5	1.40E-03
471	7.17E-03	5	1.43E-03
472	7.31E-03	5	1.46E-03
473	7.46E-03	5	1.49E-03
474	7.60E-03	5	1.52E-03
475	7.75E-03	5	1.55E-03
476	7.90E-03	5	1.58E-03
477	8.05E-03	5	1.61E-03
478	8.21E-03	5	1.64E-03
479	8.35E-03	5	1.67E-03
480	8.17E-03	5	1.63E-03
481	8.37E-03	5	1.67E-03
482	8.21E-03	5	1.64E-03
483	1.71E-03	5	3.42E-04
484	1.49E-03	5	2.98E-04
485	1.34E-03	5	2.67E-04
486	1.22E-03	5	2.45E-04
487	1.13E-03	5	2.27E-04
488	1.06E-03	5	2.12E-04
489	9.93E-04	5	1.99E-04
490	9.29E-04	5	1.86E-04
491	8.71E-04	5	1.74E-04
492	8.12E-04	5	1.62E-04
493	7.55E-04	5	1.51E-04
494	6.99E-04	5	1.40E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
495	6.43E-04	5	1.29E-04
496	5.89E-04	5	1.18E-04
497	5.41E-04	5	1.08E-04
498	4.95E-04	5	9.90E-05
499	4.54E-04	5	9.09E-05
500	4.17E-04	5	8.34E-05
501	3.84E-04	5	7.69E-05
502	4.04E-04	5	8.08E-05
503	4.58E-04	5	9.15E-05
504	7.68E-03	5	1.54E-03
505	7.79E-03	5	1.56E-03
506	7.92E-03	5	1.58E-03
507	8.06E-03	5	1.61E-03
508	8.20E-03	5	1.64E-03
509	1.22E-03	5	2.44E-04
510	4.01E-04	5	8.01E-05
511	4.52E-04	5	9.05E-05
512	3.75E-03	5	7.50E-04
513	3.78E-03	5	7.55E-04
514	3.81E-03	5	7.62E-04
515	3.84E-03	5	7.68E-04
516	3.87E-03	5	7.75E-04
517	1.11E-03	5	2.23E-04
518	3.88E-04	5	7.76E-05
519	4.42E-04	5	8.84E-05
520	2.59E-03	5	5.18E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
521	2.61E-03	5	5.21E-04
522	2.62E-03	5	5.25E-04
523	2.64E-03	5	5.28E-04
524	1.02E-03	5	2.03E-04
525	3.56E-04	5	7.13E-05
526	4.12E-04	5	8.24E-05
527	9.29E-04	5	1.86E-04
528	1.41E-03	5	2.82E-04
529	1.30E-03	5	2.60E-04
530	1.19E-03	5	2.38E-04
531	1.09E-03	5	2.17E-04
532	9.96E-04	5	1.99E-04
533	9.18E-04	5	1.84E-04
534	8.51E-04	5	1.70E-04
535	1.19E-03	5	2.38E-04
536	1.12E-03	5	2.23E-04
537	1.04E-03	5	2.08E-04
538	9.66E-04	5	1.93E-04
539	8.97E-04	5	1.79E-04
540	8.36E-04	5	1.67E-04
541	7.80E-04	5	1.56E-04
542	1.03E-03	5	2.07E-04
543	9.79E-04	5	1.96E-04
544	9.22E-04	5	1.84E-04
545	8.66E-04	5	1.73E-04
546	8.13E-04	5	1.63E-04

EMWD San Jacinto Valley Raw Water Conveyance Facility

Mitigated Risk from Pipeline Installation

Non Cancer Risk

Receptor #	Conc	REL	HI
547	7.63E-04	5	1.53E-04
548	7.18E-04	5	1.44E-04
549	9.11E-04	5	1.82E-04
550	8.70E-04	5	1.74E-04
551	8.27E-04	5	1.65E-04
552	7.83E-04	5	1.57E-04
553	7.41E-04	5	1.48E-04
554	7.00E-04	5	1.40E-04
555	6.63E-04	5	1.33E-04
556	1.05E-02	5	2.11E-03
557	8.31E-03	5	1.66E-03
558	4.70E-03	5	9.40E-04
559	4.86E-03	5	9.71E-04

AERMOD Output

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** AERMOD Input Produced by:
** AERMOD View Ver. 9.5.0
** Lakes Environmental Software Inc.
** Date: 1/4/2019
** File: C:\Lakes\AERMOD View\AERMOD Projects\EMWD SJVRWC\EMWD SJVRWC.ADI
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** AERMOD Control Pathway
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CO STARTING
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   MODELOPT DFAULT CONC
   AVERTIME 1 24 ANNUAL
   URBANOPT 2189641
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "EMWD SJVRWC.err"
CO FINISHED
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** AERMOD Source Pathway
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**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = PIPELINE
** DESCRSRC
** PREFIX
** Length of Side = 10.67
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 6
** 496904.662, 3736983.692, 459.20, 3.66, 9.92
** 498573.782, 3736958.014, 461.35, 3.66, 9.92
** 499383.519, 3736968.285, 463.48, 3.66, 9.92
** 499381.807, 3736554.001, 464.09, 3.66, 9.92
** 500100.813, 3736560.849, 466.23, 3.66, 9.92
** 500184.697, 3736560.849, 466.53, 3.66, 9.92
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   LOCATION L0000002     VOLUME   496931.328 3736983.282 458.92
   LOCATION L0000003     VOLUME   496952.662 3736982.954 458.91
   LOCATION L0000004     VOLUME   496973.995 3736982.626 458.91
   LOCATION L0000005     VOLUME   496995.329 3736982.298 458.81
   LOCATION L0000006     VOLUME   497016.662 3736981.969 458.92
   LOCATION L0000007     VOLUME   497037.996 3736981.641 458.83
   LOCATION L0000008     VOLUME   497059.329 3736981.313 458.59
   LOCATION L0000009     VOLUME   497080.663 3736980.985 458.60
   LOCATION L0000010     VOLUME   497101.996 3736980.656 458.60
   LOCATION L0000011     VOLUME   497123.330 3736980.328 458.59
   LOCATION L0000012     VOLUME   497144.663 3736980.000 458.59
   LOCATION L0000013     VOLUME   497165.997 3736979.672 458.65
   LOCATION L0000014     VOLUME   497187.330 3736979.344 458.90
   LOCATION L0000015     VOLUME   497208.664 3736979.015 458.62
   LOCATION L0000016     VOLUME   497229.997 3736978.687 458.60
   LOCATION L0000017     VOLUME   497251.331 3736978.359 458.60
   LOCATION L0000018     VOLUME   497272.664 3736978.031 458.74
   LOCATION L0000019     VOLUME   497293.998 3736977.703 458.91
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   LOCATION L0000024     VOLUME   497400.665 3736976.062 459.54
   LOCATION L0000025     VOLUME   497421.998 3736975.733 459.51
   LOCATION L0000026     VOLUME   497443.332 3736975.405 459.57
   LOCATION L0000027     VOLUME   497464.665 3736975.077 459.69
   LOCATION L0000028     VOLUME   497485.999 3736974.749 460.10
   LOCATION L0000029     VOLUME   497507.332 3736974.421 460.12
   LOCATION L0000030     VOLUME   497528.666 3736974.092 459.93
   LOCATION L0000031     VOLUME   497549.999 3736973.764 459.95
   LOCATION L0000032     VOLUME   497571.333 3736973.436 460.10
   LOCATION L0000033     VOLUME   497592.666 3736973.108 460.13
   LOCATION L0000034     VOLUME   497614.000 3736972.780 460.11
   LOCATION L0000035     VOLUME   497635.333 3736972.451 460.19
   LOCATION L0000036     VOLUME   497656.667 3736972.123 460.26
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LOCATION L0000038     VOLUME   497699.334 3736971.467 460.13
LOCATION L0000039     VOLUME   497720.667 3736971.138 460.31
LOCATION L0000040     VOLUME   497742.000 3736970.810 460.13
LOCATION L0000041     VOLUME   497763.334 3736970.482 460.12
LOCATION L0000042     VOLUME   497784.667 3736970.154 460.11
LOCATION L0000043     VOLUME   497806.001 3736969.826 460.12
LOCATION L0000044     VOLUME   497827.334 3736969.497 460.13
LOCATION L0000045     VOLUME   497848.668 3736969.169 460.13
LOCATION L0000046     VOLUME   497870.001 3736968.841 460.13
LOCATION L0000047     VOLUME   497891.335 3736968.513 460.33
LOCATION L0000048     VOLUME   497912.668 3736968.185 460.43
LOCATION L0000049     VOLUME   497934.002 3736967.856 460.43
LOCATION L0000050     VOLUME   497955.335 3736967.528 460.43
LOCATION L0000051     VOLUME   497976.669 3736967.200 460.43
LOCATION L0000052     VOLUME   497998.002 3736966.872 460.43
LOCATION L0000053     VOLUME   498019.336 3736966.544 460.43
LOCATION L0000054     VOLUME   498040.669 3736966.215 460.43
LOCATION L0000055     VOLUME   498062.003 3736965.887 460.43
LOCATION L0000056     VOLUME   498083.336 3736965.559 460.39
LOCATION L0000057     VOLUME   498104.670 3736965.231 460.43
LOCATION L0000058     VOLUME   498126.003 3736964.903 460.43
LOCATION L0000059     VOLUME   498147.337 3736964.574 460.43
LOCATION L0000060     VOLUME   498168.670 3736964.246 460.43
LOCATION L0000061     VOLUME   498190.003 3736963.918 460.43
LOCATION L0000062     VOLUME   498211.337 3736963.590 460.29
LOCATION L0000063     VOLUME   498232.670 3736963.261 460.21
LOCATION L0000064     VOLUME   498254.004 3736962.933 460.43
LOCATION L0000065     VOLUME   498275.337 3736962.605 460.43
LOCATION L0000066     VOLUME   498296.671 3736962.277 460.43
LOCATION L0000067     VOLUME   498318.004 3736961.949 460.43
LOCATION L0000068     VOLUME   498339.338 3736961.620 460.43
LOCATION L0000069     VOLUME   498360.671 3736961.292 460.68
LOCATION L0000070     VOLUME   498382.005 3736960.964 460.74
LOCATION L0000071     VOLUME   498403.338 3736960.636 460.74
LOCATION L0000072     VOLUME   498424.672 3736960.308 460.74
LOCATION L0000073     VOLUME   498446.005 3736959.979 460.76
LOCATION L0000074     VOLUME   498467.339 3736959.651 461.04
LOCATION L0000075     VOLUME   498488.672 3736959.323 461.04
LOCATION L0000076     VOLUME   498510.006 3736958.995 461.04
LOCATION L0000077     VOLUME   498531.339 3736958.667 461.04
LOCATION L0000078     VOLUME   498552.673 3736958.338 461.15
LOCATION L0000079     VOLUME   498574.006 3736958.016 461.35
LOCATION L0000080     VOLUME   498595.340 3736958.287 461.35
LOCATION L0000081     VOLUME   498616.675 3736958.558 461.35
LOCATION L0000082     VOLUME   498638.009 3736958.828 461.35
LOCATION L0000083     VOLUME   498659.343 3736959.099 461.58
LOCATION L0000084     VOLUME   498680.677 3736959.370 461.65
LOCATION L0000085     VOLUME   498702.012 3736959.640 461.65
LOCATION L0000086     VOLUME   498723.346 3736959.911 461.65
LOCATION L0000087     VOLUME   498744.680 3736960.181 461.66
LOCATION L0000088     VOLUME   498766.015 3736960.452 461.90
LOCATION L0000089     VOLUME   498787.349 3736960.723 461.96
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LOCATION L0000092     VOLUME   498851.352 3736961.535 461.96
LOCATION L0000093     VOLUME   498872.686 3736961.805 461.96
LOCATION L0000094     VOLUME   498894.020 3736962.076 462.24
LOCATION L0000095     VOLUME   498915.355 3736962.346 462.26
LOCATION L0000096     VOLUME   498936.689 3736962.617 462.26
LOCATION L0000097     VOLUME   498958.023 3736962.888 462.26
LOCATION L0000098     VOLUME   498979.357 3736963.158 462.31
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LOCATION L0000100     VOLUME   499022.026 3736963.700 462.57
LOCATION L0000101     VOLUME   499043.360 3736963.970 462.57
LOCATION L0000102     VOLUME   499064.695 3736964.241 462.57
LOCATION L0000103     VOLUME   499086.029 3736964.511 462.57
LOCATION L0000104     VOLUME   499107.363 3736964.782 462.59
LOCATION L0000105     VOLUME   499128.697 3736965.053 462.80
LOCATION L0000106     VOLUME   499150.032 3736965.323 462.87
LOCATION L0000107     VOLUME   499171.366 3736965.594 462.87
LOCATION L0000108     VOLUME   499192.700 3736965.865 462.87
LOCATION L0000109     VOLUME   499214.035 3736966.135 462.87
LOCATION L0000110     VOLUME   499235.369 3736966.406 463.16
LOCATION L0000111     VOLUME   499256.703 3736966.676 463.17
LOCATION L0000112     VOLUME   499278.037 3736966.947 463.17
LOCATION L0000113     VOLUME   499299.372 3736967.218 463.17
LOCATION L0000114     VOLUME   499320.706 3736967.488 463.17
LOCATION L0000115     VOLUME   499342.040 3736967.759 463.27
LOCATION L0000116     VOLUME   499363.375 3736968.030 463.48
LOCATION L0000117     VOLUME   499383.514 3736967.095 463.48
LOCATION L0000118     VOLUME   499383.426 3736945.760 463.48
LOCATION L0000119     VOLUME   499383.338 3736924.424 463.48
LOCATION L0000120     VOLUME   499383.250 3736903.088 463.48
LOCATION L0000121     VOLUME   499383.162 3736881.752 463.48
LOCATION L0000122     VOLUME   499383.073 3736860.416 463.48
LOCATION L0000123     VOLUME   499382.985 3736839.080 463.48
LOCATION L0000124     VOLUME   499382.897 3736817.745 463.48
LOCATION L0000125     VOLUME   499382.809 3736796.409 463.48
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   LOCATION L0000126     VOLUME   499382.721 3736775.073 463.49
   LOCATION L0000127     VOLUME   499382.633 3736753.737 463.76
   LOCATION L0000128     VOLUME   499382.544 3736732.401 463.78
   LOCATION L0000129     VOLUME   499382.456 3736711.066 463.78
   LOCATION L0000130     VOLUME   499382.368 3736689.730 463.79
   LOCATION L0000131     VOLUME   499382.280 3736668.394 463.89
   LOCATION L0000132     VOLUME   499382.192 3736647.058 464.08
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   LOCATION L0000134     VOLUME   499382.015 3736604.386 464.09
   LOCATION L0000135     VOLUME   499381.927 3736583.051 464.09
   LOCATION L0000136     VOLUME   499381.839 3736561.715 464.09
   LOCATION L0000137     VOLUME   499395.429 3736554.131 464.09
   LOCATION L0000138     VOLUME   499416.764 3736554.334 464.15
   LOCATION L0000139     VOLUME   499438.099 3736554.537 464.39
   LOCATION L0000140     VOLUME   499459.434 3736554.740 464.39
   LOCATION L0000141     VOLUME   499480.769 3736554.943 464.39
   LOCATION L0000142     VOLUME   499502.104 3736555.147 464.39
   LOCATION L0000143     VOLUME   499523.439 3736555.350 464.39
   LOCATION L0000144     VOLUME   499544.774 3736555.553 464.39
   LOCATION L0000145     VOLUME   499566.109 3736555.756 464.41
   LOCATION L0000146     VOLUME   499587.444 3736555.959 464.52
   LOCATION L0000147     VOLUME   499608.779 3736556.163 464.42
   LOCATION L0000148     VOLUME   499630.114 3736556.366 464.70
   LOCATION L0000149     VOLUME   499651.449 3736556.569 464.70
   LOCATION L0000150     VOLUME   499672.784 3736556.772 464.70
   LOCATION L0000151     VOLUME   499694.119 3736556.975 464.70
   LOCATION L0000152     VOLUME   499715.454 3736557.179 464.72
   LOCATION L0000153     VOLUME   499736.789 3736557.382 465.00
   LOCATION L0000154     VOLUME   499758.124 3736557.585 465.00
   LOCATION L0000155     VOLUME   499779.459 3736557.788 465.00
   LOCATION L0000156     VOLUME   499800.794 3736557.991 465.05
   LOCATION L0000157     VOLUME   499822.129 3736558.194 465.29
   LOCATION L0000158     VOLUME   499843.464 3736558.398 465.29
   LOCATION L0000159     VOLUME   499864.799 3736558.601 465.28
   LOCATION L0000160     VOLUME   499886.134 3736558.804 465.39
   LOCATION L0000161     VOLUME   499907.469 3736559.007 465.72
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   LOCATION L0000163     VOLUME   499950.139 3736559.414 465.67
   LOCATION L0000164     VOLUME   499971.475 3736559.617 465.70
   LOCATION L0000165     VOLUME   499992.810 3736559.820 465.93
   LOCATION L0000166     VOLUME   500014.145 3736560.023 465.94
   LOCATION L0000167     VOLUME   500035.480 3736560.226 465.94
   LOCATION L0000168     VOLUME   500056.815 3736560.430 465.96
   LOCATION L0000169     VOLUME   500078.150 3736560.633 466.19
   LOCATION L0000170     VOLUME   500099.485 3736560.836 466.22
   LOCATION L0000171     VOLUME   500120.821 3736560.849 466.23
   LOCATION L0000172     VOLUME   500142.157 3736560.849 466.23
   LOCATION L0000173     VOLUME   500163.493 3736560.849 466.43
** End of LINE VOLUME Source ID = PIPELINE
** ------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = FAC1
** DESCRSRC
** PREFIX
** Length of Side = 6.10
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 14
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** 497023.572, 3737087.228, 458.41, 3.66, 5.67
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** 497048.296, 3736985.999, 458.58, 3.66, 5.67
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   LOCATION L0000612     VOLUME   497002.002 3737023.755 458.68
   LOCATION L0000613     VOLUME   497002.111 3737035.947 458.59
   LOCATION L0000614     VOLUME   497002.220 3737048.138 458.60
   LOCATION L0000615     VOLUME   497002.330 3737060.330 458.60
   LOCATION L0000616     VOLUME   497002.439 3737072.521 458.60
   LOCATION L0000617     VOLUME   497002.548 3737084.713 458.60
   LOCATION L0000618     VOLUME   497011.287 3737087.370 458.48
   LOCATION L0000619     VOLUME   497012.842 3737076.598 458.60
   LOCATION L0000620     VOLUME   497012.842 3737064.406 458.61
   LOCATION L0000621     VOLUME   497012.842 3737052.214 458.60
   LOCATION L0000622     VOLUME   497012.842 3737040.022 458.61
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   LOCATION L0000623     VOLUME   497012.842 3737027.830 458.60
   LOCATION L0000624     VOLUME   497012.842 3737015.638 458.64
   LOCATION L0000625     VOLUME   497012.842 3737003.446 458.84
   LOCATION L0000626     VOLUME   497012.842 3736991.254 458.90
   LOCATION L0000627     VOLUME   497019.295 3736985.054 458.94
   LOCATION L0000628     VOLUME   497025.328 3736990.631 458.94
   LOCATION L0000629     VOLUME   497025.106 3737002.821 458.65
   LOCATION L0000630     VOLUME   497024.885 3737015.011 458.59
   LOCATION L0000631     VOLUME   497024.663 3737027.201 458.60
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   LOCATION L0000633     VOLUME   497024.220 3737051.581 458.61
   LOCATION L0000634     VOLUME   497023.998 3737063.771 458.60
   LOCATION L0000635     VOLUME   497023.776 3737075.961 458.47
   LOCATION L0000636     VOLUME   497024.494 3737087.228 458.32
   LOCATION L0000637     VOLUME   497036.633 3737087.175 458.29
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   LOCATION L0000644     VOLUME   497036.238 3737001.832 458.58
   LOCATION L0000645     VOLUME   497036.182 3736989.640 458.76
   LOCATION L0000646     VOLUME   497045.177 3736986.119 458.61
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   LOCATION L0000651     VOLUME   497047.504 3737043.833 458.47
   LOCATION L0000652     VOLUME   497047.337 3737056.023 458.37
   LOCATION L0000653     VOLUME   497047.170 3737068.214 458.30
   LOCATION L0000654     VOLUME   497047.003 3737080.405 458.30
   LOCATION L0000655     VOLUME   497051.317 3737087.808 458.30
   LOCATION L0000656     VOLUME   497058.536 3737082.301 458.30
   LOCATION L0000657     VOLUME   497058.480 3737070.109 458.30
   LOCATION L0000658     VOLUME   497058.424 3737057.917 458.29
   LOCATION L0000659     VOLUME   497058.368 3737045.725 458.30
   LOCATION L0000660     VOLUME   497058.312 3737033.533 458.44
   LOCATION L0000661     VOLUME   497058.256 3737021.341 458.58
   LOCATION L0000662     VOLUME   497058.201 3737009.150 458.60
   LOCATION L0000663     VOLUME   497058.145 3736996.958 458.60
   LOCATION L0000664     VOLUME   497058.859 3736985.532 458.60
   LOCATION L0000665     VOLUME   497068.801 3736987.761 458.60
   LOCATION L0000666     VOLUME   497068.690 3736999.953 458.60
   LOCATION L0000667     VOLUME   497068.580 3737012.144 458.59
   LOCATION L0000668     VOLUME   497068.469 3737024.336 458.44
   LOCATION L0000669     VOLUME   497068.358 3737036.527 458.30
   LOCATION L0000670     VOLUME   497068.247 3737048.719 458.30
   LOCATION L0000671     VOLUME   497068.136 3737060.910 458.30
   LOCATION L0000672     VOLUME   497068.025 3737073.102 458.30
   LOCATION L0000673     VOLUME   497067.915 3737085.293 458.30
** End of LINE VOLUME Source ID = FAC1
** ------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = FAC3
** DESCRSRC
** PREFIX
** Length of Side = 6.10
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 14
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   LOCATION L0000937     VOLUME   497271.169 3737020.956 458.60
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   LOCATION L0000939     VOLUME   497271.388 3737045.339 458.61
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   LOCATION L0000944     VOLUME   497282.010 3737073.799 458.57
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   LOCATION L0000948     VOLUME   497282.010 3737025.031 458.60
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   LOCATION L0000966     VOLUME   497305.575 3737035.609 458.81
   LOCATION L0000967     VOLUME   497305.518 3737023.417 458.77
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   LOCATION L0000976     VOLUME   497316.671 3737041.034 458.86
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   LOCATION L0000983     VOLUME   497327.592 3737055.118 458.83
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   LOCATION L0000986     VOLUME   497327.424 3737018.542 459.12
   LOCATION L0000987     VOLUME   497327.368 3737006.351 459.15
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   LOCATION L0000992     VOLUME   497337.747 3737009.346 459.37
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   LOCATION L0000997     VOLUME   497337.193 3737070.303 458.92
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** End of LINE VOLUME Source ID = FAC3
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** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = FAC2
** DESCRSRC
** PREFIX
** Length of Side = 6.10
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 14
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   LOCATION L0001261     VOLUME   497123.920 3737012.731 458.30
   LOCATION L0001262     VOLUME   497124.030 3737024.922 458.30
   LOCATION L0001263     VOLUME   497124.139 3737037.114 458.29
   LOCATION L0001264     VOLUME   497124.248 3737049.305 458.29
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   LOCATION L0001266     VOLUME   497124.467 3737073.688 458.30
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   LOCATION L0001269     VOLUME   497134.870 3737077.765 458.30
   LOCATION L0001270     VOLUME   497134.870 3737065.573 458.29
   LOCATION L0001271     VOLUME   497134.870 3737053.381 458.35
   LOCATION L0001272     VOLUME   497134.870 3737041.189 458.36
   LOCATION L0001273     VOLUME   497134.870 3737028.997 458.29
   LOCATION L0001274     VOLUME   497134.870 3737016.805 458.29
   LOCATION L0001275     VOLUME   497134.870 3737004.613 458.28
   LOCATION L0001276     VOLUME   497134.870 3736992.421 458.43
   LOCATION L0001277     VOLUME   497141.323 3736986.221 458.55
   LOCATION L0001278     VOLUME   497147.356 3736991.798 458.44
   LOCATION L0001279     VOLUME   497147.134 3737003.988 458.28
   LOCATION L0001280     VOLUME   497146.913 3737016.178 458.34
   LOCATION L0001281     VOLUME   497146.691 3737028.368 458.48
   LOCATION L0001282     VOLUME   497146.469 3737040.558 458.54
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   LOCATION L0001288     VOLUME   497158.605 3737076.151 458.21
   LOCATION L0001289     VOLUME   497158.548 3737063.959 458.41
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   LOCATION L0001294     VOLUME   497158.266 3737002.999 458.56
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   LOCATION L0001297     VOLUME   497170.200 3736996.236 458.82
   LOCATION L0001298     VOLUME   497170.033 3737008.427 458.91
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   LOCATION L0001300     VOLUME   497169.699 3737032.809 458.61
   LOCATION L0001301     VOLUME   497169.532 3737045.000 458.42
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   LOCATION L0001303     VOLUME   497169.198 3737069.381 458.30
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   LOCATION L0001305     VOLUME   497173.345 3737088.975 458.16
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   LOCATION L0001309     VOLUME   497180.396 3737046.892 458.31
   LOCATION L0001310     VOLUME   497180.340 3737034.700 458.36
   LOCATION L0001311     VOLUME   497180.285 3737022.508 458.60
   LOCATION L0001312     VOLUME   497180.229 3737010.317 458.68
   LOCATION L0001313     VOLUME   497180.173 3736998.125 458.87
   LOCATION L0001314     VOLUME   497180.887 3736986.699 458.93
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   LOCATION L0001316     VOLUME   497190.719 3737001.120 458.73
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   LOCATION L0001318     VOLUME   497190.497 3737025.503 458.32
   LOCATION L0001319     VOLUME   497190.386 3737037.695 458.30
   LOCATION L0001320     VOLUME   497190.275 3737049.886 458.30
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** End of LINE VOLUME Source ID = FAC2
** Source Parameters **
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   SRCPARAM L0000137     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000138     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000139     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000140     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000141     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000142     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000143     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000144     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000145     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000146     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000147     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000148     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000149     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000150     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000151     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000152     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000153     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000154     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000155     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000156     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000157     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000158     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000159     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000160     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000161     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000162     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000163     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000164     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000165     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000166     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000167     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000168     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000169     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000170     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000171     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000172     0.0057803468      3.66      9.92      3.40
   SRCPARAM L0000173     0.0057803468      3.66      9.92      3.40
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** LINE VOLUME Source ID = FAC1
   SRCPARAM L0000609     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000610     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000611     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000612     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000613     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000614     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000615     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000616     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000617     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000618     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000619     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000620     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000621     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000622     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000623     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000624     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000625     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000626     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000627     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000628     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000629     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000630     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000631     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000632     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000633     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000634     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000635     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000636     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000637     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000638     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000639     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000640     0.0153846154      3.66      5.67      3.40
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   SRCPARAM L0000641     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000642     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000643     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000644     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000645     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000646     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000647     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000648     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000649     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000650     0.0153846154      3.66      5.67      3.40
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   SRCPARAM L0000652     0.0153846154      3.66      5.67      3.40
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   SRCPARAM L0000654     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000655     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000656     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000657     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000658     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000659     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000660     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000661     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000662     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000663     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000664     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000665     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000666     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000667     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000668     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000669     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000670     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000671     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000672     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000673     0.0153846154      3.66      5.67      3.40
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** LINE VOLUME Source ID = FAC3
   SRCPARAM L0000934     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000935     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000936     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000937     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000938     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000939     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000940     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000941     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000942     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000943     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000944     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000945     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000946     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000947     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000948     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000949     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000950     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000951     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000952     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000953     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000954     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000955     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000956     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000957     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000958     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000959     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000960     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000961     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000962     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000963     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000964     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000965     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000966     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000967     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000968     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000969     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000970     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000971     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000972     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000973     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000974     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000975     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000976     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000977     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000978     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000979     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000980     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000981     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000982     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000983     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000984     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000985     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000986     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000987     0.0153846154      3.66      5.67      3.40
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   SRCPARAM L0000988     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000989     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000990     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000991     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000992     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000993     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000994     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000995     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000996     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000997     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0000998     0.0153846154      3.66      5.67      3.40
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** LINE VOLUME Source ID = FAC2
   SRCPARAM L0001259     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001260     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001261     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001262     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001263     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001264     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001265     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001266     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001267     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001268     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001269     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001270     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001271     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001272     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001273     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001274     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001275     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001276     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001277     0.0153846154      3.66      5.67      3.40
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   SRCPARAM L0001280     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001281     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001282     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001283     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001284     0.0153846154      3.66      5.67      3.40
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   SRCPARAM L0001288     0.0153846154      3.66      5.67      3.40
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   SRCPARAM L0001298     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001299     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001300     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001301     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001302     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001303     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001304     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001305     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001306     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001307     0.0153846154      3.66      5.67      3.40
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   SRCPARAM L0001312     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001313     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001314     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001315     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001316     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001317     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001318     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001319     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001320     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001321     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001322     0.0153846154      3.66      5.67      3.40
   SRCPARAM L0001323     0.0153846154      3.66      5.67      3.40
** ------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP FAC1     L0000609 L0000610 L0000611 L0000612 L0000613 L0000614
   SRCGROUP FAC1     L0000615 L0000616 L0000617 L0000618 L0000619 L0000620
   SRCGROUP FAC1     L0000621 L0000622 L0000623 L0000624 L0000625 L0000626
   SRCGROUP FAC1     L0000627 L0000628 L0000629 L0000630 L0000631 L0000632
   SRCGROUP FAC1     L0000633 L0000634 L0000635 L0000636 L0000637 L0000638
   SRCGROUP FAC1     L0000639 L0000640 L0000641 L0000642 L0000643 L0000644
   SRCGROUP FAC1     L0000645 L0000646 L0000647 L0000648 L0000649 L0000650
   SRCGROUP FAC1     L0000651 L0000652 L0000653 L0000654 L0000655 L0000656
   SRCGROUP FAC1     L0000657 L0000658 L0000659 L0000660 L0000661 L0000662
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   SRCGROUP FAC1     L0000669 L0000670 L0000671 L0000672 L0000673
   SRCGROUP FAC2     L0001259 L0001260 L0001261 L0001262 L0001263 L0001264
   SRCGROUP FAC2     L0001265 L0001266 L0001267 L0001268 L0001269 L0001270
   SRCGROUP FAC2     L0001271 L0001272 L0001273 L0001274 L0001275 L0001276
   SRCGROUP FAC2     L0001277 L0001278 L0001279 L0001280 L0001281 L0001282
   SRCGROUP FAC2     L0001283 L0001284 L0001285 L0001286 L0001287 L0001288
   SRCGROUP FAC2     L0001289 L0001290 L0001291 L0001292 L0001293 L0001294
   SRCGROUP FAC2     L0001295 L0001296 L0001297 L0001298 L0001299 L0001300
   SRCGROUP FAC2     L0001301 L0001302 L0001303 L0001304 L0001305 L0001306
   SRCGROUP FAC2     L0001307 L0001308 L0001309 L0001310 L0001311 L0001312
   SRCGROUP FAC2     L0001313 L0001314 L0001315 L0001316 L0001317 L0001318
   SRCGROUP FAC2     L0001319 L0001320 L0001321 L0001322 L0001323
   SRCGROUP FAC3     L0000934 L0000935 L0000936 L0000937 L0000938 L0000939
   SRCGROUP FAC3     L0000940 L0000941 L0000942 L0000943 L0000944 L0000945
   SRCGROUP FAC3     L0000946 L0000947 L0000948 L0000949 L0000950 L0000951
   SRCGROUP FAC3     L0000952 L0000953 L0000954 L0000955 L0000956 L0000957
   SRCGROUP FAC3     L0000958 L0000959 L0000960 L0000961 L0000962 L0000963
   SRCGROUP FAC3     L0000964 L0000965 L0000966 L0000967 L0000968 L0000969
   SRCGROUP FAC3     L0000970 L0000971 L0000972 L0000973 L0000974 L0000975
   SRCGROUP FAC3     L0000976 L0000977 L0000978 L0000979 L0000980 L0000981
   SRCGROUP FAC3     L0000982 L0000983 L0000984 L0000985 L0000986 L0000987
   SRCGROUP FAC3     L0000988 L0000989 L0000990 L0000991 L0000992 L0000993
   SRCGROUP FAC3     L0000994 L0000995 L0000996 L0000997 L0000998
   SRCGROUP PIPELINE L0000001 L0000002 L0000003 L0000004 L0000005 L0000006
   SRCGROUP PIPELINE L0000007 L0000008 L0000009 L0000010 L0000011 L0000012
   SRCGROUP PIPELINE L0000013 L0000014 L0000015 L0000016 L0000017 L0000018
   SRCGROUP PIPELINE L0000019 L0000020 L0000021 L0000022 L0000023 L0000024
   SRCGROUP PIPELINE L0000025 L0000026 L0000027 L0000028 L0000029 L0000030
   SRCGROUP PIPELINE L0000031 L0000032 L0000033 L0000034 L0000035 L0000036
   SRCGROUP PIPELINE L0000037 L0000038 L0000039 L0000040 L0000041 L0000042
   SRCGROUP PIPELINE L0000043 L0000044 L0000045 L0000046 L0000047 L0000048
   SRCGROUP PIPELINE L0000049 L0000050 L0000051 L0000052 L0000053 L0000054
   SRCGROUP PIPELINE L0000055 L0000056 L0000057 L0000058 L0000059 L0000060
   SRCGROUP PIPELINE L0000061 L0000062 L0000063 L0000064 L0000065 L0000066
   SRCGROUP PIPELINE L0000067 L0000068 L0000069 L0000070 L0000071 L0000072
   SRCGROUP PIPELINE L0000073 L0000074 L0000075 L0000076 L0000077 L0000078
   SRCGROUP PIPELINE L0000079 L0000080 L0000081 L0000082 L0000083 L0000084
   SRCGROUP PIPELINE L0000085 L0000086 L0000087 L0000088 L0000089 L0000090
   SRCGROUP PIPELINE L0000091 L0000092 L0000093 L0000094 L0000095 L0000096
   SRCGROUP PIPELINE L0000097 L0000098 L0000099 L0000100 L0000101 L0000102
   SRCGROUP PIPELINE L0000103 L0000104 L0000105 L0000106 L0000107 L0000108
   SRCGROUP PIPELINE L0000109 L0000110 L0000111 L0000112 L0000113 L0000114
   SRCGROUP PIPELINE L0000115 L0000116 L0000117 L0000118 L0000119 L0000120
   SRCGROUP PIPELINE L0000121 L0000122 L0000123 L0000124 L0000125 L0000126
   SRCGROUP PIPELINE L0000127 L0000128 L0000129 L0000130 L0000131 L0000132
   SRCGROUP PIPELINE L0000133 L0000134 L0000135 L0000136 L0000137 L0000138
   SRCGROUP PIPELINE L0000139 L0000140 L0000141 L0000142 L0000143 L0000144
   SRCGROUP PIPELINE L0000145 L0000146 L0000147 L0000148 L0000149 L0000150
   SRCGROUP PIPELINE L0000151 L0000152 L0000153 L0000154 L0000155 L0000156
   SRCGROUP PIPELINE L0000157 L0000158 L0000159 L0000160 L0000161 L0000162
   SRCGROUP PIPELINE L0000163 L0000164 L0000165 L0000166 L0000167 L0000168
   SRCGROUP PIPELINE L0000169 L0000170 L0000171 L0000172 L0000173
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "EMWD SJVRWC.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010 Perris
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
```

```
   PLOTFILE 1 ALL 1ST "EMWD SJVRWC.AD\01H1GALL.PLT" 31
   PLOTFILE 24 ALL 1ST "EMWD SJVRWC.AD\24H1GALL.PLT" 32
   PLOTFILE 1 FAC1 1ST "EMWD SJVRWC.AD\01H1G001.PLT" 33
   PLOTFILE 24 FAC1 1ST "EMWD SJVRWC.AD\24H1G001.PLT" 34
   PLOTFILE 1 FAC2 1ST "EMWD SJVRWC.AD\01H1G002.PLT" 35
   PLOTFILE 24 FAC2 1ST "EMWD SJVRWC.AD\24H1G002.PLT" 36
   PLOTFILE 1 FAC3 1ST "EMWD SJVRWC.AD\01H1G003.PLT" 37
   PLOTFILE 24 FAC3 1ST "EMWD SJVRWC.AD\24H1G003.PLT" 38
   PLOTFILE 1 PIPELINE 1ST "EMWD SJVRWC.AD\01H1G004.PLT" 39
   PLOTFILE 24 PIPELINE 1ST "EMWD SJVRWC.AD\24H1G004.PLT" 40
   PLOTFILE ANNUAL ALL "EMWD SJVRWC.AD\AN00GALL.PLT" 41
   PLOTFILE ANNUAL FAC1 "EMWD SJVRWC.AD\AN00G001.PLT" 42
   PLOTFILE ANNUAL FAC2 "EMWD SJVRWC.AD\AN00G002.PLT" 43
   PLOTFILE ANNUAL FAC3 "EMWD SJVRWC.AD\AN00G003.PLT" 44
   PLOTFILE ANNUAL PIPELINE "EMWD SJVRWC.AD\AN00G004.PLT" 45
   SUMMFILE "EMWD SJVRWC.sum"
OU FINISHED


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

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

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


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


    ********   WARNING MESSAGES   ********
 ME W186     968       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     968       MEOPEN: ADJ_U* Option for Low Winds used in AERMET

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

 *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\AERMOD Projects\EMWD SJVRWC\EMWD SJVRWC.isc     ***        01/04/19
 *** AERMET - VERSION  16216 ***   ***                                                                    ***        05:48:15
                                                                                                                    PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   368 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2189641.0 ;  Urban Roughness Length =  1.000 m

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

 **Other Options Specified:
        ADJ_U*   - Use ADJ_U* BETA option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  2 Short Term Average(s) of:   1-HR  24-HR
     and Calculates ANNUAL Averages

 **This Run Includes:    368 Source(s);       5 Source Group(s); and     559 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    368 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)
```

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

**The AERMET Input Meteorological Data Version Date: 16216

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   442.00 ; 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 =   3.9 MB of RAM.

**Detailed Error/Message File: EMWD SJVRWC.err
**File for Summary of Results: EMWD SJVRWC.sum

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000001	0	0.57803E-02	496910.0	3736983.6	459.2	3.66	9.92	3.40	YES	
L0000002	0	0.57803E-02	496931.3	3736983.3	458.9	3.66	9.92	3.40	YES	
L0000003	0	0.57803E-02	496952.7	3736983.0	458.9	3.66	9.92	3.40	YES	
L0000004	0	0.57803E-02	496974.0	3736982.6	458.9	3.66	9.92	3.40	YES	
L0000005	0	0.57803E-02	496995.3	3736982.3	458.8	3.66	9.92	3.40	YES	
L0000006	0	0.57803E-02	497016.7	3736982.0	458.9	3.66	9.92	3.40	YES	
L0000007	0	0.57803E-02	497038.0	3736981.6	458.8	3.66	9.92	3.40	YES	
L0000008	0	0.57803E-02	497059.3	3736981.3	458.6	3.66	9.92	3.40	YES	
L0000009	0	0.57803E-02	497080.7	3736981.0	458.6	3.66	9.92	3.40	YES	
L0000010	0	0.57803E-02	497102.0	3736980.7	458.6	3.66	9.92	3.40	YES	
L0000011	0	0.57803E-02	497123.3	3736980.3	458.6	3.66	9.92	3.40	YES	
L0000012	0	0.57803E-02	497144.7	3736980.0	458.6	3.66	9.92	3.40	YES	
L0000013	0	0.57803E-02	497166.0	3736979.7	458.7	3.66	9.92	3.40	YES	
L0000014	0	0.57803E-02	497187.3	3736979.3	458.9	3.66	9.92	3.40	YES	
L0000015	0	0.57803E-02	497208.7	3736979.0	458.6	3.66	9.92	3.40	YES	
L0000016	0	0.57803E-02	497230.0	3736978.7	458.6	3.66	9.92	3.40	YES	
L0000017	0	0.57803E-02	497251.3	3736978.4	458.6	3.66	9.92	3.40	YES	
L0000018	0	0.57803E-02	497272.7	3736978.0	458.7	3.66	9.92	3.40	YES	
L0000019	0	0.57803E-02	497294.0	3736977.7	458.9	3.66	9.92	3.40	YES	
L0000020	0	0.57803E-02	497315.3	3736977.4	458.9	3.66	9.92	3.40	YES	
L0000021	0	0.57803E-02	497336.7	3736977.0	459.5	3.66	9.92	3.40	YES	
L0000022	0	0.57803E-02	497358.0	3736976.7	459.7	3.66	9.92	3.40	YES	
L0000023	0	0.57803E-02	497379.3	3736976.4	459.2	3.66	9.92	3.40	YES	
L0000024	0	0.57803E-02	497400.7	3736976.1	459.5	3.66	9.92	3.40	YES	
L0000025	0	0.57803E-02	497422.0	3736975.7	459.5	3.66	9.92	3.40	YES	
L0000026	0	0.57803E-02	497443.3	3736975.4	459.6	3.66	9.92	3.40	YES	
L0000027	0	0.57803E-02	497464.7	3736975.1	459.7	3.66	9.92	3.40	YES	
L0000028	0	0.57803E-02	497486.0	3736974.7	460.1	3.66	9.92	3.40	YES	
L0000029	0	0.57803E-02	497507.3	3736974.4	460.1	3.66	9.92	3.40	YES	
L0000030	0	0.57803E-02	497528.7	3736974.1	459.9	3.66	9.92	3.40	YES	
L0000031	0	0.57803E-02	497550.0	3736973.8	459.9	3.66	9.92	3.40	YES	
L0000032	0	0.57803E-02	497571.3	3736973.4	460.1	3.66	9.92	3.40	YES	
L0000033	0	0.57803E-02	497592.7	3736973.1	460.1	3.66	9.92	3.40	YES	
L0000034	0	0.57803E-02	497614.0	3736972.8	460.1	3.66	9.92	3.40	YES	
L0000035	0	0.57803E-02	497635.3	3736972.5	460.2	3.66	9.92	3.40	YES	
L0000036	0	0.57803E-02	497656.7	3736972.1	460.3	3.66	9.92	3.40	YES	
L0000037	0	0.57803E-02	497678.0	3736971.8	460.1	3.66	9.92	3.40	YES	
L0000038	0	0.57803E-02	497699.3	3736971.5	460.1	3.66	9.92	3.40	YES	
L0000039	0	0.57803E-02	497720.7	3736971.1	460.3	3.66	9.92	3.40	YES	
L0000040	0	0.57803E-02	497742.0	3736970.8	460.1	3.66	9.92	3.40	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0000041	0	0.57803E-02	497763.3	3736970.5	460.1	3.66	9.92	3.40	YES
L0000042	0	0.57803E-02	497784.7	3736970.2	460.1	3.66	9.92	3.40	YES
L0000043	0	0.57803E-02	497806.0	3736969.8	460.1	3.66	9.92	3.40	YES
L0000044	0	0.57803E-02	497827.3	3736969.5	460.1	3.66	9.92	3.40	YES
L0000045	0	0.57803E-02	497848.7	3736969.2	460.1	3.66	9.92	3.40	YES
L0000046	0	0.57803E-02	497870.0	3736968.8	460.1	3.66	9.92	3.40	YES
L0000047	0	0.57803E-02	497891.3	3736968.5	460.3	3.66	9.92	3.40	YES
L0000048	0	0.57803E-02	497912.7	3736968.2	460.4	3.66	9.92	3.40	YES
L0000049	0	0.57803E-02	497934.0	3736967.9	460.4	3.66	9.92	3.40	YES
L0000050	0	0.57803E-02	497955.3	3736967.5	460.4	3.66	9.92	3.40	YES
L0000051	0	0.57803E-02	497976.7	3736967.2	460.4	3.66	9.92	3.40	YES
L0000052	0	0.57803E-02	497998.0	3736966.9	460.4	3.66	9.92	3.40	YES
L0000053	0	0.57803E-02	498019.3	3736966.5	460.4	3.66	9.92	3.40	YES
L0000054	0	0.57803E-02	498040.7	3736966.2	460.4	3.66	9.92	3.40	YES
L0000055	0	0.57803E-02	498062.0	3736965.9	460.4	3.66	9.92	3.40	YES
L0000056	0	0.57803E-02	498083.3	3736965.6	460.4	3.66	9.92	3.40	YES
L0000057	0	0.57803E-02	498104.7	3736965.2	460.4	3.66	9.92	3.40	YES
L0000058	0	0.57803E-02	498126.0	3736964.9	460.4	3.66	9.92	3.40	YES
L0000059	0	0.57803E-02	498147.3	3736964.6	460.4	3.66	9.92	3.40	YES
L0000060	0	0.57803E-02	498168.7	3736964.2	460.4	3.66	9.92	3.40	YES
L0000061	0	0.57803E-02	498190.0	3736963.9	460.4	3.66	9.92	3.40	YES
L0000062	0	0.57803E-02	498211.3	3736963.6	460.3	3.66	9.92	3.40	YES
L0000063	0	0.57803E-02	498232.7	3736963.3	460.2	3.66	9.92	3.40	YES
L0000064	0	0.57803E-02	498254.0	3736962.9	460.4	3.66	9.92	3.40	YES
L0000065	0	0.57803E-02	498275.3	3736962.6	460.4	3.66	9.92	3.40	YES
L0000066	0	0.57803E-02	498296.7	3736962.3	460.4	3.66	9.92	3.40	YES
L0000067	0	0.57803E-02	498318.0	3736961.9	460.4	3.66	9.92	3.40	YES
L0000068	0	0.57803E-02	498339.3	3736961.6	460.4	3.66	9.92	3.40	YES
L0000069	0	0.57803E-02	498360.7	3736961.3	460.7	3.66	9.92	3.40	YES
L0000070	0	0.57803E-02	498382.0	3736961.0	460.7	3.66	9.92	3.40	YES
L0000071	0	0.57803E-02	498403.3	3736960.6	460.7	3.66	9.92	3.40	YES
L0000072	0	0.57803E-02	498424.7	3736960.3	460.7	3.66	9.92	3.40	YES
L0000073	0	0.57803E-02	498446.0	3736960.0	460.8	3.66	9.92	3.40	YES
L0000074	0	0.57803E-02	498467.3	3736959.7	461.0	3.66	9.92	3.40	YES
L0000075	0	0.57803E-02	498488.7	3736959.3	461.0	3.66	9.92	3.40	YES
L0000076	0	0.57803E-02	498510.0	3736959.0	461.0	3.66	9.92	3.40	YES
L0000077	0	0.57803E-02	498531.3	3736958.7	461.0	3.66	9.92	3.40	YES
L0000078	0	0.57803E-02	498552.7	3736958.3	461.2	3.66	9.92	3.40	YES
L0000079	0	0.57803E-02	498574.0	3736958.0	461.4	3.66	9.92	3.40	YES
L0000080	0	0.57803E-02	498595.3	3736958.3	461.4	3.66	9.92	3.40	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000081	0	0.57803E-02	498616.7	3736958.6	461.4	3.66	9.92	3.40	YES	
L0000082	0	0.57803E-02	498638.0	3736958.8	461.4	3.66	9.92	3.40	YES	
L0000083	0	0.57803E-02	498659.3	3736959.1	461.6	3.66	9.92	3.40	YES	
L0000084	0	0.57803E-02	498680.7	3736959.4	461.7	3.66	9.92	3.40	YES	
L0000085	0	0.57803E-02	498702.0	3736959.6	461.7	3.66	9.92	3.40	YES	
L0000086	0	0.57803E-02	498723.3	3736959.9	461.7	3.66	9.92	3.40	YES	
L0000087	0	0.57803E-02	498744.7	3736960.2	461.7	3.66	9.92	3.40	YES	
L0000088	0	0.57803E-02	498766.0	3736960.5	461.9	3.66	9.92	3.40	YES	
L0000089	0	0.57803E-02	498787.3	3736960.7	462.0	3.66	9.92	3.40	YES	
L0000090	0	0.57803E-02	498808.7	3736961.0	462.0	3.66	9.92	3.40	YES	
L0000091	0	0.57803E-02	498830.0	3736961.3	462.0	3.66	9.92	3.40	YES	
L0000092	0	0.57803E-02	498851.4	3736961.5	462.0	3.66	9.92	3.40	YES	
L0000093	0	0.57803E-02	498872.7	3736961.8	462.0	3.66	9.92	3.40	YES	
L0000094	0	0.57803E-02	498894.0	3736962.1	462.2	3.66	9.92	3.40	YES	
L0000095	0	0.57803E-02	498915.4	3736962.3	462.3	3.66	9.92	3.40	YES	
L0000096	0	0.57803E-02	498936.7	3736962.6	462.3	3.66	9.92	3.40	YES	
L0000097	0	0.57803E-02	498958.0	3736962.9	462.3	3.66	9.92	3.40	YES	
L0000098	0	0.57803E-02	498979.4	3736963.2	462.3	3.66	9.92	3.40	YES	
L0000099	0	0.57803E-02	499000.7	3736963.4	462.6	3.66	9.92	3.40	YES	
L0000100	0	0.57803E-02	499022.0	3736963.7	462.6	3.66	9.92	3.40	YES	
L0000101	0	0.57803E-02	499043.4	3736964.0	462.6	3.66	9.92	3.40	YES	
L0000102	0	0.57803E-02	499064.7	3736964.2	462.6	3.66	9.92	3.40	YES	
L0000103	0	0.57803E-02	499086.0	3736964.5	462.6	3.66	9.92	3.40	YES	
L0000104	0	0.57803E-02	499107.4	3736964.8	462.6	3.66	9.92	3.40	YES	
L0000105	0	0.57803E-02	499128.7	3736965.1	462.8	3.66	9.92	3.40	YES	
L0000106	0	0.57803E-02	499150.0	3736965.3	462.9	3.66	9.92	3.40	YES	
L0000107	0	0.57803E-02	499171.4	3736965.6	462.9	3.66	9.92	3.40	YES	
L0000108	0	0.57803E-02	499192.7	3736965.9	462.9	3.66	9.92	3.40	YES	
L0000109	0	0.57803E-02	499214.0	3736966.1	462.9	3.66	9.92	3.40	YES	
L0000110	0	0.57803E-02	499235.4	3736966.4	463.2	3.66	9.92	3.40	YES	
L0000111	0	0.57803E-02	499256.7	3736966.7	463.2	3.66	9.92	3.40	YES	
L0000112	0	0.57803E-02	499278.0	3736966.9	463.2	3.66	9.92	3.40	YES	
L0000113	0	0.57803E-02	499299.4	3736967.2	463.2	3.66	9.92	3.40	YES	
L0000114	0	0.57803E-02	499320.7	3736967.5	463.2	3.66	9.92	3.40	YES	
L0000115	0	0.57803E-02	499342.0	3736967.8	463.3	3.66	9.92	3.40	YES	

L0000116	0	0.57803E-02	499363.4	3736968.0	463.5	3.66	9.92	3.40	YES
L0000117	0	0.57803E-02	499383.5	3736967.1	463.5	3.66	9.92	3.40	YES
L0000118	0	0.57803E-02	499383.4	3736945.8	463.5	3.66	9.92	3.40	YES
L0000119	0	0.57803E-02	499383.3	3736924.4	463.5	3.66	9.92	3.40	YES
L0000120	0	0.57803E-02	499383.2	3736903.1	463.5	3.66	9.92	3.40	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000121	0	0.57803E-02	499383.2	3736881.8	463.5	3.66	9.92	3.40	YES	
L0000122	0	0.57803E-02	499383.1	3736860.4	463.5	3.66	9.92	3.40	YES	
L0000123	0	0.57803E-02	499383.0	3736839.1	463.5	3.66	9.92	3.40	YES	
L0000124	0	0.57803E-02	499382.9	3736817.7	463.5	3.66	9.92	3.40	YES	
L0000125	0	0.57803E-02	499382.8	3736796.4	463.5	3.66	9.92	3.40	YES	
L0000126	0	0.57803E-02	499382.7	3736775.1	463.5	3.66	9.92	3.40	YES	
L0000127	0	0.57803E-02	499382.6	3736753.7	463.8	3.66	9.92	3.40	YES	
L0000128	0	0.57803E-02	499382.5	3736732.4	463.8	3.66	9.92	3.40	YES	
L0000129	0	0.57803E-02	499382.5	3736711.1	463.8	3.66	9.92	3.40	YES	
L0000130	0	0.57803E-02	499382.4	3736689.7	463.8	3.66	9.92	3.40	YES	
L0000131	0	0.57803E-02	499382.3	3736668.4	463.9	3.66	9.92	3.40	YES	
L0000132	0	0.57803E-02	499382.2	3736647.1	464.1	3.66	9.92	3.40	YES	
L0000133	0	0.57803E-02	499382.1	3736625.7	464.1	3.66	9.92	3.40	YES	
L0000134	0	0.57803E-02	499382.0	3736604.4	464.1	3.66	9.92	3.40	YES	
L0000135	0	0.57803E-02	499381.9	3736583.1	464.1	3.66	9.92	3.40	YES	
L0000136	0	0.57803E-02	499381.8	3736561.7	464.1	3.66	9.92	3.40	YES	
L0000137	0	0.57803E-02	499395.4	3736554.1	464.1	3.66	9.92	3.40	YES	
L0000138	0	0.57803E-02	499416.8	3736554.3	464.2	3.66	9.92	3.40	YES	
L0000139	0	0.57803E-02	499438.1	3736554.5	464.4	3.66	9.92	3.40	YES	
L0000140	0	0.57803E-02	499459.4	3736554.7	464.4	3.66	9.92	3.40	YES	
L0000141	0	0.57803E-02	499480.8	3736554.9	464.4	3.66	9.92	3.40	YES	
L0000142	0	0.57803E-02	499502.1	3736555.1	464.4	3.66	9.92	3.40	YES	
L0000143	0	0.57803E-02	499523.4	3736555.3	464.4	3.66	9.92	3.40	YES	
L0000144	0	0.57803E-02	499544.8	3736555.6	464.4	3.66	9.92	3.40	YES	
L0000145	0	0.57803E-02	499566.1	3736555.8	464.4	3.66	9.92	3.40	YES	
L0000146	0	0.57803E-02	499587.4	3736556.0	464.5	3.66	9.92	3.40	YES	
L0000147	0	0.57803E-02	499608.8	3736556.2	464.4	3.66	9.92	3.40	YES	
L0000148	0	0.57803E-02	499630.1	3736556.4	464.7	3.66	9.92	3.40	YES	
L0000149	0	0.57803E-02	499651.4	3736556.6	464.7	3.66	9.92	3.40	YES	
L0000150	0	0.57803E-02	499672.8	3736556.8	464.7	3.66	9.92	3.40	YES	
L0000151	0	0.57803E-02	499694.1	3736557.0	464.7	3.66	9.92	3.40	YES	
L0000152	0	0.57803E-02	499715.5	3736557.2	464.7	3.66	9.92	3.40	YES	
L0000153	0	0.57803E-02	499736.8	3736557.4	465.0	3.66	9.92	3.40	YES	
L0000154	0	0.57803E-02	499758.1	3736557.6	465.0	3.66	9.92	3.40	YES	
L0000155	0	0.57803E-02	499779.5	3736557.8	465.0	3.66	9.92	3.40	YES	
L0000156	0	0.57803E-02	499800.8	3736558.0	465.1	3.66	9.92	3.40	YES	
L0000157	0	0.57803E-02	499822.1	3736558.2	465.3	3.66	9.92	3.40	YES	
L0000158	0	0.57803E-02	499843.5	3736558.4	465.3	3.66	9.92	3.40	YES	
L0000159	0	0.57803E-02	499864.8	3736558.6	465.3	3.66	9.92	3.40	YES	
L0000160	0	0.57803E-02	499886.1	3736558.8	465.4	3.66	9.92	3.40	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000161	0	0.57803E-02	499907.5	3736559.0	465.7	3.66	9.92	3.40	YES	
L0000162	0	0.57803E-02	499928.8	3736559.2	465.6	3.66	9.92	3.40	YES	
L0000163	0	0.57803E-02	499950.1	3736559.4	465.7	3.66	9.92	3.40	YES	
L0000164	0	0.57803E-02	499971.5	3736559.6	465.7	3.66	9.92	3.40	YES	
L0000165	0	0.57803E-02	499992.8	3736559.8	465.9	3.66	9.92	3.40	YES	
L0000166	0	0.57803E-02	500014.1	3736560.0	465.9	3.66	9.92	3.40	YES	
L0000167	0	0.57803E-02	500035.5	3736560.2	465.9	3.66	9.92	3.40	YES	
L0000168	0	0.57803E-02	500056.8	3736560.4	466.0	3.66	9.92	3.40	YES	
L0000169	0	0.57803E-02	500078.1	3736560.6	466.2	3.66	9.92	3.40	YES	
L0000170	0	0.57803E-02	500099.5	3736560.8	466.2	3.66	9.92	3.40	YES	
L0000171	0	0.57803E-02	500120.8	3736560.8	466.2	3.66	9.92	3.40	YES	
L0000172	0	0.57803E-02	500142.2	3736560.8	466.2	3.66	9.92	3.40	YES	
L0000173	0	0.57803E-02	500163.5	3736560.8	466.4	3.66	9.92	3.40	YES	
L0000609	0	0.15385E-01	497001.7	3736987.2	458.7	3.66	5.67	3.40	YES	
L0000610	0	0.15385E-01	497001.8	3736999.4	458.9	3.66	5.67	3.40	YES	
L0000611	0	0.15385E-01	497001.9	3737011.6	458.9	3.66	5.67	3.40	YES	
L0000612	0	0.15385E-01	497002.0	3737023.8	458.7	3.66	5.67	3.40	YES	
L0000613	0	0.15385E-01	497002.1	3737035.9	458.6	3.66	5.67	3.40	YES	

L0000614	0	0.15385E-01	497002.2	3737048.1	458.6	3.66	5.67	3.40	YES
L0000615	0	0.15385E-01	497002.3	3737060.3	458.6	3.66	5.67	3.40	YES
L0000616	0	0.15385E-01	497002.4	3737072.5	458.6	3.66	5.67	3.40	YES
L0000617	0	0.15385E-01	497002.5	3737084.7	458.6	3.66	5.67	3.40	YES
L0000618	0	0.15385E-01	497011.3	3737087.4	458.5	3.66	5.67	3.40	YES
L0000619	0	0.15385E-01	497012.8	3737076.6	458.6	3.66	5.67	3.40	YES
L0000620	0	0.15385E-01	497012.8	3737064.4	458.6	3.66	5.67	3.40	YES
L0000621	0	0.15385E-01	497012.8	3737052.2	458.6	3.66	5.67	3.40	YES
L0000622	0	0.15385E-01	497012.8	3737040.0	458.6	3.66	5.67	3.40	YES
L0000623	0	0.15385E-01	497012.8	3737027.8	458.6	3.66	5.67	3.40	YES
L0000624	0	0.15385E-01	497012.8	3737015.6	458.6	3.66	5.67	3.40	YES
L0000625	0	0.15385E-01	497012.8	3737003.4	458.8	3.66	5.67	3.40	YES
L0000626	0	0.15385E-01	497012.8	3736991.3	458.9	3.66	5.67	3.40	YES
L0000627	0	0.15385E-01	497019.3	3736985.1	458.9	3.66	5.67	3.40	YES
L0000628	0	0.15385E-01	497025.3	3736990.6	458.9	3.66	5.67	3.40	YES
L0000629	0	0.15385E-01	497025.1	3737002.8	458.7	3.66	5.67	3.40	YES
L0000630	0	0.15385E-01	497024.9	3737015.0	458.6	3.66	5.67	3.40	YES
L0000631	0	0.15385E-01	497024.7	3737027.2	458.6	3.66	5.67	3.40	YES
L0000632	0	0.15385E-01	497024.4	3737039.4	458.6	3.66	5.67	3.40	YES
L0000633	0	0.15385E-01	497024.2	3737051.6	458.6	3.66	5.67	3.40	YES
L0000634	0	0.15385E-01	497024.0	3737063.8	458.6	3.66	5.67	3.40	YES
L0000635	0	0.15385E-01	497023.8	3737076.0	458.5	3.66	5.67	3.40	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000636	0	0.15385E-01	497024.5	3737087.2	458.3	3.66	5.67	3.40	YES	
L0000637	0	0.15385E-01	497036.6	3737087.2	458.3	3.66	5.67	3.40	YES	
L0000638	0	0.15385E-01	497036.6	3737075.0	458.3	3.66	5.67	3.40	YES	
L0000639	0	0.15385E-01	497036.5	3737062.8	458.5	3.66	5.67	3.40	YES	
L0000640	0	0.15385E-01	497036.5	3737050.6	458.6	3.66	5.67	3.40	YES	
L0000641	0	0.15385E-01	497036.4	3737038.4	458.6	3.66	5.67	3.40	YES	
L0000642	0	0.15385E-01	497036.4	3737026.2	458.6	3.66	5.67	3.40	YES	
L0000643	0	0.15385E-01	497036.3	3737014.0	458.6	3.66	5.67	3.40	YES	
L0000644	0	0.15385E-01	497036.2	3737001.8	458.6	3.66	5.67	3.40	YES	
L0000645	0	0.15385E-01	497036.2	3736989.6	458.8	3.66	5.67	3.40	YES	
L0000646	0	0.15385E-01	497045.2	3736986.1	458.6	3.66	5.67	3.40	YES	
L0000647	0	0.15385E-01	497048.2	3736995.1	458.6	3.66	5.67	3.40	YES	
L0000648	0	0.15385E-01	497048.0	3737007.3	458.6	3.66	5.67	3.40	YES	
L0000649	0	0.15385E-01	497047.8	3737019.5	458.6	3.66	5.67	3.40	YES	
L0000650	0	0.15385E-01	497047.7	3737031.6	458.6	3.66	5.67	3.40	YES	
L0000651	0	0.15385E-01	497047.5	3737043.8	458.5	3.66	5.67	3.40	YES	
L0000652	0	0.15385E-01	497047.3	3737056.0	458.4	3.66	5.67	3.40	YES	
L0000653	0	0.15385E-01	497047.2	3737068.2	458.3	3.66	5.67	3.40	YES	
L0000654	0	0.15385E-01	497047.0	3737080.4	458.3	3.66	5.67	3.40	YES	
L0000655	0	0.15385E-01	497051.3	3737087.8	458.3	3.66	5.67	3.40	YES	
L0000656	0	0.15385E-01	497058.5	3737082.3	458.3	3.66	5.67	3.40	YES	
L0000657	0	0.15385E-01	497058.5	3737070.1	458.3	3.66	5.67	3.40	YES	
L0000658	0	0.15385E-01	497058.4	3737057.9	458.3	3.66	5.67	3.40	YES	
L0000659	0	0.15385E-01	497058.4	3737045.7	458.3	3.66	5.67	3.40	YES	
L0000660	0	0.15385E-01	497058.3	3737033.5	458.4	3.66	5.67	3.40	YES	
L0000661	0	0.15385E-01	497058.3	3737021.3	458.6	3.66	5.67	3.40	YES	
L0000662	0	0.15385E-01	497058.2	3737009.1	458.6	3.66	5.67	3.40	YES	
L0000663	0	0.15385E-01	497058.1	3736997.0	458.6	3.66	5.67	3.40	YES	
L0000664	0	0.15385E-01	497058.9	3736985.5	458.6	3.66	5.67	3.40	YES	
L0000665	0	0.15385E-01	497068.8	3736987.8	458.6	3.66	5.67	3.40	YES	
L0000666	0	0.15385E-01	497068.7	3737000.0	458.6	3.66	5.67	3.40	YES	
L0000667	0	0.15385E-01	497068.6	3737012.1	458.6	3.66	5.67	3.40	YES	
L0000668	0	0.15385E-01	497068.5	3737024.3	458.4	3.66	5.67	3.40	YES	
L0000669	0	0.15385E-01	497068.4	3737036.5	458.3	3.66	5.67	3.40	YES	
L0000670	0	0.15385E-01	497068.2	3737048.7	458.3	3.66	5.67	3.40	YES	
L0000671	0	0.15385E-01	497068.1	3737060.9	458.3	3.66	5.67	3.40	YES	
L0000672	0	0.15385E-01	497068.0	3737073.1	458.3	3.66	5.67	3.40	YES	
L0000673	0	0.15385E-01	497067.9	3737085.3	458.3	3.66	5.67	3.40	YES	
L0000934	0	0.15385E-01	497270.8	3736984.4	458.8	3.66	5.67	3.40	YES	
L0000935	0	0.15385E-01	497271.0	3736996.6	458.7	3.66	5.67	3.40	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000936	0	0.15385E-01	497271.1	3737008.8	458.6	3.66	5.67	3.40	YES	

L0000937	0	0.15385E-01	497271.2	3737021.0	458.6	3.66	5.67	3.40	YES
L0000938	0	0.15385E-01	497271.3	3737033.1	458.6	3.66	5.67	3.40	YES
L0000939	0	0.15385E-01	497271.4	3737045.3	458.6	3.66	5.67	3.40	YES
L0000940	0	0.15385E-01	497271.5	3737057.5	458.6	3.66	5.67	3.40	YES
L0000941	0	0.15385E-01	497271.6	3737069.7	458.5	3.66	5.67	3.40	YES
L0000942	0	0.15385E-01	497271.7	3737081.9	458.3	3.66	5.67	3.40	YES
L0000943	0	0.15385E-01	497280.5	3737084.6	458.4	3.66	5.67	3.40	YES
L0000944	0	0.15385E-01	497282.0	3737073.8	458.6	3.66	5.67	3.40	YES
L0000945	0	0.15385E-01	497282.0	3737061.6	458.6	3.66	5.67	3.40	YES
L0000946	0	0.15385E-01	497282.0	3737049.4	458.6	3.66	5.67	3.40	YES
L0000947	0	0.15385E-01	497282.0	3737037.2	458.6	3.66	5.67	3.40	YES
L0000948	0	0.15385E-01	497282.0	3737025.0	458.6	3.66	5.67	3.40	YES
L0000949	0	0.15385E-01	497282.0	3737012.8	458.6	3.66	5.67	3.40	YES
L0000950	0	0.15385E-01	497282.0	3737000.6	458.8	3.66	5.67	3.40	YES
L0000951	0	0.15385E-01	497282.0	3736988.5	458.9	3.66	5.67	3.40	YES
L0000952	0	0.15385E-01	497288.5	3736982.3	458.9	3.66	5.67	3.40	YES
L0000953	0	0.15385E-01	497294.5	3736987.8	458.9	3.66	5.67	3.40	YES
L0000954	0	0.15385E-01	497294.3	3737000.0	458.9	3.66	5.67	3.40	YES
L0000955	0	0.15385E-01	497294.1	3737012.2	458.7	3.66	5.67	3.40	YES
L0000956	0	0.15385E-01	497293.8	3737024.4	458.6	3.66	5.67	3.40	YES
L0000957	0	0.15385E-01	497293.6	3737036.6	458.7	3.66	5.67	3.40	YES
L0000958	0	0.15385E-01	497293.4	3737048.8	458.6	3.66	5.67	3.40	YES
L0000959	0	0.15385E-01	497293.2	3737061.0	458.6	3.66	5.67	3.40	YES
L0000960	0	0.15385E-01	497292.9	3737073.2	458.6	3.66	5.67	3.40	YES
L0000961	0	0.15385E-01	497293.7	3737084.4	458.6	3.66	5.67	3.40	YES
L0000962	0	0.15385E-01	497305.8	3737084.4	458.6	3.66	5.67	3.40	YES
L0000963	0	0.15385E-01	497305.7	3737072.2	458.6	3.66	5.67	3.40	YES
L0000964	0	0.15385E-01	497305.7	3737060.0	458.6	3.66	5.67	3.40	YES
L0000965	0	0.15385E-01	497305.6	3737047.8	458.6	3.66	5.67	3.40	YES
L0000966	0	0.15385E-01	497305.6	3737035.6	458.8	3.66	5.67	3.40	YES
L0000967	0	0.15385E-01	497305.5	3737023.4	458.8	3.66	5.67	3.40	YES
L0000968	0	0.15385E-01	497305.5	3737011.2	458.8	3.66	5.67	3.40	YES
L0000969	0	0.15385E-01	497305.4	3736999.0	458.9	3.66	5.67	3.40	YES
L0000970	0	0.15385E-01	497305.3	3736986.8	458.9	3.66	5.67	3.40	YES
L0000971	0	0.15385E-01	497314.3	3736983.3	458.9	3.66	5.67	3.40	YES
L0000972	0	0.15385E-01	497317.3	3736992.3	458.9	3.66	5.67	3.40	YES
L0000973	0	0.15385E-01	497317.2	3737004.5	458.9	3.66	5.67	3.40	YES
L0000974	0	0.15385E-01	497317.0	3737016.7	458.9	3.66	5.67	3.40	YES
L0000975	0	0.15385E-01	497316.8	3737028.8	458.9	3.66	5.67	3.40	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000976	0	0.15385E-01	497316.7	3737041.0	458.9	3.66	5.67	3.40	YES	
L0000977	0	0.15385E-01	497316.5	3737053.2	458.7	3.66	5.67	3.40	YES	
L0000978	0	0.15385E-01	497316.3	3737065.4	458.6	3.66	5.67	3.40	YES	
L0000979	0	0.15385E-01	497316.2	3737077.6	458.6	3.66	5.67	3.40	YES	
L0000980	0	0.15385E-01	497320.5	3737085.0	458.6	3.66	5.67	3.40	YES	
L0000981	0	0.15385E-01	497327.7	3737079.5	458.8	3.66	5.67	3.40	YES	
L0000982	0	0.15385E-01	497327.6	3737067.3	458.8	3.66	5.67	3.40	YES	
L0000983	0	0.15385E-01	497327.6	3737055.1	458.8	3.66	5.67	3.40	YES	
L0000984	0	0.15385E-01	497327.5	3737042.9	459.0	3.66	5.67	3.40	YES	
L0000985	0	0.15385E-01	497327.5	3737030.7	459.1	3.66	5.67	3.40	YES	
L0000986	0	0.15385E-01	497327.4	3737018.5	459.1	3.66	5.67	3.40	YES	
L0000987	0	0.15385E-01	497327.4	3737006.4	459.2	3.66	5.67	3.40	YES	
L0000988	0	0.15385E-01	497327.3	3736994.2	459.3	3.66	5.67	3.40	YES	
L0000989	0	0.15385E-01	497328.0	3736982.7	459.4	3.66	5.67	3.40	YES	
L0000990	0	0.15385E-01	497338.0	3736985.0	459.6	3.66	5.67	3.40	YES	
L0000991	0	0.15385E-01	497337.9	3736997.2	459.5	3.66	5.67	3.40	YES	
L0000992	0	0.15385E-01	497337.7	3737009.3	459.4	3.66	5.67	3.40	YES	
L0000993	0	0.15385E-01	497337.6	3737021.5	459.2	3.66	5.67	3.40	YES	
L0000994	0	0.15385E-01	497337.5	3737033.7	459.2	3.66	5.67	3.40	YES	
L0000995	0	0.15385E-01	497337.4	3737045.9	459.0	3.66	5.67	3.40	YES	
L0000996	0	0.15385E-01	497337.3	3737058.1	458.9	3.66	5.67	3.40	YES	
L0000997	0	0.15385E-01	497337.2	3737070.3	458.9	3.66	5.67	3.40	YES	
L0000998	0	0.15385E-01	497337.1	3737082.5	458.9	3.66	5.67	3.40	YES	
L0001259	0	0.15385E-01	497123.7	3736988.3	458.5	3.66	5.67	3.40	YES	
L0001260	0	0.15385E-01	497123.8	3737000.5	458.3	3.66	5.67	3.40	YES	
L0001261	0	0.15385E-01	497123.9	3737012.7	458.3	3.66	5.67	3.40	YES	
L0001262	0	0.15385E-01	497124.0	3737024.9	458.3	3.66	5.67	3.40	YES	
L0001263	0	0.15385E-01	497124.1	3737037.1	458.3	3.66	5.67	3.40	YES	
L0001264	0	0.15385E-01	497124.2	3737049.3	458.3	3.66	5.67	3.40	YES	
L0001265	0	0.15385E-01	497124.4	3737061.5	458.3	3.66	5.67	3.40	YES	
L0001266	0	0.15385E-01	497124.5	3737073.7	458.3	3.66	5.67	3.40	YES	
L0001267	0	0.15385E-01	497124.6	3737085.9	458.3	3.66	5.67	3.40	YES	
L0001268	0	0.15385E-01	497133.3	3737088.5	458.3	3.66	5.67	3.40	YES	
L0001269	0	0.15385E-01	497134.9	3737077.8	458.3	3.66	5.67	3.40	YES	
L0001270	0	0.15385E-01	497134.9	3737065.6	458.3	3.66	5.67	3.40	YES	
L0001271	0	0.15385E-01	497134.9	3737053.4	458.4	3.66	5.67	3.40	YES	
L0001272	0	0.15385E-01	497134.9	3737041.2	458.4	3.66	5.67	3.40	YES	

L0001273	0	0.15385E-01	497134.9	3737029.0	458.3	3.66	5.67	3.40	YES
L0001274	0	0.15385E-01	497134.9	3737016.8	458.3	3.66	5.67	3.40	YES
L0001275	0	0.15385E-01	497134.9	3737004.6	458.3	3.66	5.67	3.40	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001276	0	0.15385E-01	497134.9	3736992.4	458.4	3.66	5.67	3.40	YES	
L0001277	0	0.15385E-01	497141.3	3736986.2	458.6	3.66	5.67	3.40	YES	
L0001278	0	0.15385E-01	497147.4	3736991.8	458.4	3.66	5.67	3.40	YES	
L0001279	0	0.15385E-01	497147.1	3737004.0	458.3	3.66	5.67	3.40	YES	
L0001280	0	0.15385E-01	497146.9	3737016.2	458.3	3.66	5.67	3.40	YES	
L0001281	0	0.15385E-01	497146.7	3737028.4	458.5	3.66	5.67	3.40	YES	
L0001282	0	0.15385E-01	497146.5	3737040.6	458.5	3.66	5.67	3.40	YES	
L0001283	0	0.15385E-01	497146.2	3737052.7	458.5	3.66	5.67	3.40	YES	
L0001284	0	0.15385E-01	497146.0	3737064.9	458.4	3.66	5.67	3.40	YES	
L0001285	0	0.15385E-01	497145.8	3737077.1	458.2	3.66	5.67	3.40	YES	
L0001286	0	0.15385E-01	497146.5	3737088.4	458.1	3.66	5.67	3.40	YES	
L0001287	0	0.15385E-01	497158.7	3737088.3	458.0	3.66	5.67	3.40	YES	
L0001288	0	0.15385E-01	497158.6	3737076.2	458.2	3.66	5.67	3.40	YES	
L0001289	0	0.15385E-01	497158.5	3737064.0	458.4	3.66	5.67	3.40	YES	
L0001290	0	0.15385E-01	497158.5	3737051.8	458.6	3.66	5.67	3.40	YES	
L0001291	0	0.15385E-01	497158.4	3737039.6	458.6	3.66	5.67	3.40	YES	
L0001292	0	0.15385E-01	497158.4	3737027.4	458.6	3.66	5.67	3.40	YES	
L0001293	0	0.15385E-01	497158.3	3737015.2	458.8	3.66	5.67	3.40	YES	
L0001294	0	0.15385E-01	497158.3	3737003.0	458.6	3.66	5.67	3.40	YES	
L0001295	0	0.15385E-01	497158.2	3736990.8	458.5	3.66	5.67	3.40	YES	
L0001296	0	0.15385E-01	497167.2	3736987.3	458.8	3.66	5.67	3.40	YES	
L0001297	0	0.15385E-01	497170.2	3736996.2	458.8	3.66	5.67	3.40	YES	
L0001298	0	0.15385E-01	497170.0	3737008.4	458.9	3.66	5.67	3.40	YES	
L0001299	0	0.15385E-01	497169.9	3737020.6	458.9	3.66	5.67	3.40	YES	
L0001300	0	0.15385E-01	497169.7	3737032.8	458.6	3.66	5.67	3.40	YES	
L0001301	0	0.15385E-01	497169.5	3737045.0	458.4	3.66	5.67	3.40	YES	
L0001302	0	0.15385E-01	497169.4	3737057.2	458.4	3.66	5.67	3.40	YES	
L0001303	0	0.15385E-01	497169.2	3737069.4	458.3	3.66	5.67	3.40	YES	
L0001304	0	0.15385E-01	497169.0	3737081.6	458.2	3.66	5.67	3.40	YES	
L0001305	0	0.15385E-01	497173.3	3737089.0	458.2	3.66	5.67	3.40	YES	
L0001306	0	0.15385E-01	497180.6	3737083.5	458.3	3.66	5.67	3.40	YES	
L0001307	0	0.15385E-01	497180.5	3737071.3	458.3	3.66	5.67	3.40	YES	
L0001308	0	0.15385E-01	497180.5	3737059.1	458.3	3.66	5.67	3.40	YES	
L0001309	0	0.15385E-01	497180.4	3737046.9	458.3	3.66	5.67	3.40	YES	
L0001310	0	0.15385E-01	497180.3	3737034.7	458.4	3.66	5.67	3.40	YES	
L0001311	0	0.15385E-01	497180.3	3737022.5	458.6	3.66	5.67	3.40	YES	
L0001312	0	0.15385E-01	497180.2	3737010.3	458.7	3.66	5.67	3.40	YES	
L0001313	0	0.15385E-01	497180.2	3736998.1	458.9	3.66	5.67	3.40	YES	
L0001314	0	0.15385E-01	497180.9	3736986.7	458.9	3.66	5.67	3.40	YES	
L0001315	0	0.15385E-01	497190.8	3736988.9	458.9	3.66	5.67	3.40	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001316	0	0.15385E-01	497190.7	3737001.1	458.7	3.66	5.67	3.40	YES	
L0001317	0	0.15385E-01	497190.6	3737013.3	458.4	3.66	5.67	3.40	YES	
L0001318	0	0.15385E-01	497190.5	3737025.5	458.3	3.66	5.67	3.40	YES	
L0001319	0	0.15385E-01	497190.4	3737037.7	458.3	3.66	5.67	3.40	YES	
L0001320	0	0.15385E-01	497190.3	3737049.9	458.3	3.66	5.67	3.40	YES	
L0001321	0	0.15385E-01	497190.2	3737062.1	458.3	3.66	5.67	3.40	YES	
L0001322	0	0.15385E-01	497190.1	3737074.3	458.3	3.66	5.67	3.40	YES	
L0001323	0	0.15385E-01	497189.9	3737086.5	458.2	3.66	5.67	3.40	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

FAC1 L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 , L0000616 ,
L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , L0000623 , L0000624 ,
L0000625 , L0000626 , L0000627 , L0000628 , L0000629 , L0000630 , L0000631 , L0000632 ,
L0000633 , L0000634 , L0000635 , L0000636 , L0000637 , L0000638 , L0000639 , L0000640 ,
L0000641 , L0000642 , L0000643 , L0000644 , L0000645 , L0000646 , L0000647 , L0000648 ,
L0000649 , L0000650 , L0000651 , L0000652 , L0000653 , L0000654 , L0000655 , L0000656 ,
L0000657 , L0000658 , L0000659 , L0000660 , L0000661 , L0000662 , L0000663 , L0000664 ,
L0000665 , L0000666 , L0000667 , L0000668 , L0000669 , L0000670 , L0000671 , L0000672 ,
L0000673 ,

FAC2 L0001259 , L0001260 , L0001261 , L0001262 , L0001263 , L0001264 , L0001265 , L0001266 ,
L0001267 , L0001268 , L0001269 , L0001270 , L0001271 , L0001272 , L0001273 , L0001274 ,
L0001275 , L0001276 , L0001277 , L0001278 , L0001279 , L0001280 , L0001281 , L0001282 ,
L0001283 , L0001284 , L0001285 , L0001286 , L0001287 , L0001288 , L0001289 , L0001290 ,
L0001291 , L0001292 , L0001293 , L0001294 , L0001295 , L0001296 , L0001297 , L0001298 ,
L0001299 , L0001300 , L0001301 , L0001302 , L0001303 , L0001304 , L0001305 , L0001306 ,
L0001307 , L0001308 , L0001309 , L0001310 , L0001311 , L0001312 , L0001313 , L0001314 ,
L0001315 , L0001316 , L0001317 , L0001318 , L0001319 , L0001320 , L0001321 , L0001322 ,
L0001323 ,

FAC3 L0000934 , L0000935 , L0000936 , L0000937 , L0000938 , L0000939 , L0000940 , L0000941 ,
L0000942 , L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000950 , L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 ,
	L0000958 , L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 ,
	L0000966 , L0000967 , L0000968 , L0000969 , L0000970 , L0000971 , L0000972 , L0000973 ,
	L0000974 , L0000975 , L0000976 , L0000977 , L0000978 , L0000979 , L0000980 , L0000981 ,
	L0000982 , L0000983 , L0000984 , L0000985 , L0000986 , L0000987 , L0000988 , L0000989 ,
	L0000990 , L0000991 , L0000992 , L0000993 , L0000994 , L0000995 , L0000996 , L0000997 ,
	L0000998 ,
PIPELINE	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
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	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
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	L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 , L0000080 ,
	L0000081 , L0000082 , L0000083 , L0000084 , L0000085 , L0000086 , L0000087 , L0000088 ,
	L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 ,

L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 ,
	L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 ,
	L0000121 , L0000122 , L0000123 , L0000124 , L0000125 , L0000126 , L0000127 , L0000128 ,
	L0000129 , L0000130 , L0000131 , L0000132 , L0000133 , L0000134 , L0000135 , L0000136 ,
	L0000137 , L0000138 , L0000139 , L0000140 , L0000141 , L0000142 , L0000143 , L0000144 ,
	L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 ,
	L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 ,
	L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 ,
	L0000169 , L0000170 , L0000171 , L0000172 , L0000173 ,
ALL	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
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	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
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	L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 , L0000072 ,
	L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 , L0000080 ,
	L0000081 , L0000082 , L0000083 , L0000084 , L0000085 , L0000086 , L0000087 , L0000088 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 ,
	L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 ,
	L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 ,
	L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 ,
	L0000121 , L0000122 , L0000123 , L0000124 , L0000125 , L0000126 , L0000127 , L0000128 ,
	L0000129 , L0000130 , L0000131 , L0000132 , L0000133 , L0000134 , L0000135 , L0000136 ,
	L0000137 , L0000138 , L0000139 , L0000140 , L0000141 , L0000142 , L0000143 , L0000144 ,
	L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 ,
	L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 ,
	L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 ,
	L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000609 , L0000610 , L0000611 ,
	L0000612 , L0000613 , L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 ,
	L0000620 , L0000621 , L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 ,

L0000628 , L0000629 , L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 ,

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L0000652 , L0000653 , L0000654 , L0000655 , L0000656 , L0000657 , L0000658 , L0000659 ,

L0000660 , L0000661 , L0000662 , L0000663 , L0000664 , L0000665 , L0000666 , L0000667 ,

L0000668 , L0000669 , L0000670 , L0000671 , L0000672 , L0000673 , L0000934 , L0000935 ,

L0000936 , L0000937 , L0000938 , L0000939 , L0000940 , L0000941 , L0000942 , L0000943 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 , L0000951 ,

L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 , L0000959 ,

L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , L0000966 , L0000967 ,

L0000968 , L0000969 , L0000970 , L0000971 , L0000972 , L0000973 , L0000974 , L0000975 ,

L0000976 , L0000977 , L0000978 , L0000979 , L0000980 , L0000981 , L0000982 , L0000983 ,

L0000984 , L0000985 , L0000986 , L0000987 , L0000988 , L0000989 , L0000990 , L0000991 ,

L0000992 , L0000993 , L0000994 , L0000995 , L0000996 , L0000997 , L0000998 , L0001259 ,

L0001260 , L0001261 , L0001262 , L0001263 , L0001264 , L0001265 , L0001266 , L0001267 ,

L0001268 , L0001269 , L0001270 , L0001271 , L0001272 , L0001273 , L0001274 , L0001275 ,

L0001276 , L0001277 , L0001278 , L0001279 , L0001280 , L0001281 , L0001282 , L0001283 ,

L0001284 , L0001285 , L0001286 , L0001287 , L0001288 , L0001289 , L0001290 , L0001291 ,

L0001292 , L0001293 , L0001294 , L0001295 , L0001296 , L0001297 , L0001298 , L0001299 ,

L0001300 , L0001301 , L0001302 , L0001303 , L0001304 , L0001305 , L0001306 , L0001307 ,

L0001308 , L0001309 , L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 ,

L0001316 , L0001317 , L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

2189641. L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 ,
L0000008 ,

L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,

L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,

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L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 ,

L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 ,

L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 ,

L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 ,

L0000121 , L0000122 , L0000123 , L0000124 , L0000125 , L0000126 , L0000127 , L0000128 ,

L0000129 , L0000130 , L0000131 , L0000132 , L0000133 , L0000134 , L0000135 , L0000136 ,

L0000137 , L0000138 , L0000139 , L0000140 , L0000141 , L0000142 , L0000143 , L0000144 ,

L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 ,

L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 ,

L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000609 , L0000610 , L0000611 ,

L0000612 , L0000613 , L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 ,

L0000620 , L0000621 , L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 ,

L0000628 , L0000629 , L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 ,

L0000636 , L0000637 , L0000638 , L0000639 , L0000640 , L0000641 , L0000642 , L0000643 ,

L0000644 , L0000645 , L0000646 , L0000647 , L0000648 , L0000649 , L0000650 , L0000651 ,

L0000652 , L0000653 , L0000654 , L0000655 , L0000656 , L0000657 , L0000658 , L0000659 ,

L0000660 , L0000661 , L0000662 , L0000663 , L0000664 , L0000665 , L0000666 , L0000667 ,

L0000668 , L0000669 , L0000670 , L0000671 , L0000672 , L0000673 , L0000934 , L0000935 ,

L0000936 , L0000937 , L0000938 , L0000939 , L0000940 , L0000941 , L0000942 , L0000943 ,

L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 , L0000951 ,

L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 , L0000959 ,

L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , L0000966 , L0000967 ,

L0000968 , L0000969 , L0000970 , L0000971 , L0000972 , L0000973 , L0000974 , L0000975 ,

L0000976 , L0000977 , L0000978 , L0000979 , L0000980 , L0000981 , L0000982 , L0000983 ,

L0000984 , L0000985 , L0000986 , L0000987 , L0000988 , L0000989 , L0000990 , L0000991 ,

L0000992 , L0000993 , L0000994 , L0000995 , L0000996 , L0000997 , L0000998 , L0001259 ,

L0001260 , L0001261 , L0001262 , L0001263 , L0001264 , L0001265 , L0001266 , L0001267 ,

L0001268 , L0001269 , L0001270 , L0001271 , L0001272 , L0001273 , L0001274 , L0001275 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0001276 , L0001277 , L0001278 , L0001279 , L0001280 , L0001281 , L0001282 , L0001283 ,

L0001284 , L0001285 , L0001286 , L0001287 , L0001288 , L0001289 , L0001290 , L0001291 ,

L0001292 , L0001293 , L0001294 , L0001295 , L0001296 , L0001297 , L0001298 , L0001299 ,

L0001300 , L0001301 , L0001302 , L0001303 , L0001304 , L0001305 , L0001306 , L0001307 ,

L0001308 , L0001309 , L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 ,

L0001316 , L0001317 , L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(499046.0, 3736191.0,	463.2,	607.3,	0.0);	(499096.0, 3736191.0,	463.5,	607.3,	0.0);
(499146.0, 3736191.0,	463.8,	607.3,	0.0);	(499196.0, 3736191.0,	463.8,	607.3,	0.0);
(499246.0, 3736191.0,	464.1,	464.1,	0.0);	(499296.0, 3736191.0,	464.1,	464.1,	0.0);
(499346.0, 3736191.0,	464.4,	464.4,	0.0);	(499396.0, 3736191.0,	464.4,	464.4,	0.0);
(499446.0, 3736191.0,	464.7,	464.7,	0.0);	(499496.0, 3736191.0,	464.7,	464.7,	0.0);
(499546.0, 3736191.0,	465.0,	465.0,	0.0);	(499596.0, 3736191.0,	464.8,	464.8,	0.0);
(499646.0, 3736191.0,	465.0,	465.0,	0.0);	(499696.0, 3736191.0,	465.3,	465.3,	0.0);
(499746.0, 3736191.0,	465.3,	465.3,	0.0);	(499796.0, 3736191.0,	465.6,	465.6,	0.0);
(499846.0, 3736191.0,	465.9,	465.9,	0.0);	(499896.0, 3736191.0,	465.9,	465.9,	0.0);
(499946.0, 3736191.0,	466.0,	466.0,	0.0);	(499996.0, 3736191.0,	466.3,	466.3,	0.0);
(500046.0, 3736191.0,	466.5,	466.5,	0.0);	(500096.0, 3736191.0,	466.5,	466.5,	0.0);
(500146.0, 3736191.0,	466.8,	466.8,	0.0);	(500196.0, 3736191.0,	467.0,	467.0,	0.0);
(500246.0, 3736191.0,	467.2,	467.2,	0.0);	(500296.0, 3736191.0,	467.4,	467.4,	0.0);
(500346.0, 3736191.0,	467.8,	467.8,	0.0);	(500396.0, 3736191.0,	468.0,	468.0,	0.0);
(500446.0, 3736191.0,	468.1,	468.1,	0.0);	(500496.0, 3736191.0,	468.4,	468.4,	0.0);
(499046.0, 3736241.0,	463.2,	607.3,	0.0);	(499096.0, 3736241.0,	463.5,	607.3,	0.0);
(499146.0, 3736241.0,	463.8,	607.3,	0.0);	(499196.0, 3736241.0,	463.8,	607.3,	0.0);
(499246.0, 3736241.0,	464.1,	464.1,	0.0);	(499296.0, 3736241.0,	464.1,	464.1,	0.0);
(499346.0, 3736241.0,	464.4,	464.4,	0.0);	(499396.0, 3736241.0,	464.4,	464.4,	0.0);
(499446.0, 3736241.0,	464.6,	464.6,	0.0);	(499496.0, 3736241.0,	464.7,	464.7,	0.0);
(499546.0, 3736241.0,	465.0,	465.0,	0.0);	(499596.0, 3736241.0,	464.7,	464.7,	0.0);
(499646.0, 3736241.0,	465.0,	465.0,	0.0);	(499696.0, 3736241.0,	465.0,	465.0,	0.0);
(499746.0, 3736241.0,	465.3,	465.3,	0.0);	(499796.0, 3736241.0,	465.4,	465.4,	0.0);
(499846.0, 3736241.0,	465.7,	465.7,	0.0);	(499896.0, 3736241.0,	465.9,	465.9,	0.0);
(499946.0, 3736241.0,	466.0,	466.0,	0.0);	(499996.0, 3736241.0,	466.3,	466.3,	0.0);
(500046.0, 3736241.0,	466.3,	466.3,	0.0);	(500096.0, 3736241.0,	466.5,	466.5,	0.0);
(500146.0, 3736241.0,	466.8,	466.8,	0.0);	(500196.0, 3736241.0,	467.0,	467.0,	0.0);
(500246.0, 3736241.0,	467.1,	467.1,	0.0);	(500296.0, 3736241.0,	467.4,	467.4,	0.0);
(500346.0, 3736241.0,	467.8,	467.8,	0.0);	(500396.0, 3736241.0,	467.8,	467.8,	0.0);
(500446.0, 3736241.0,	468.1,	468.1,	0.0);	(500496.0, 3736241.0,	468.4,	468.4,	0.0);
(499046.0, 3736291.0,	463.2,	607.3,	0.0);	(499096.0, 3736291.0,	463.5,	607.3,	0.0);
(499146.0, 3736291.0,	463.7,	607.3,	0.0);	(499196.0, 3736291.0,	463.8,	607.3,	0.0);
(499246.0, 3736291.0,	463.9,	463.9,	0.0);	(499296.0, 3736291.0,	464.1,	464.1,	0.0);
(499346.0, 3736291.0,	464.2,	464.2,	0.0);	(499396.0, 3736291.0,	464.4,	464.4,	0.0);
(499446.0, 3736291.0,	464.4,	464.4,	0.0);	(499496.0, 3736291.0,	464.7,	464.7,	0.0);
(499546.0, 3736291.0,	464.7,	464.7,	0.0);	(499596.0, 3736291.0,	464.7,	464.7,	0.0);
(499646.0, 3736291.0,	465.0,	465.0,	0.0);	(499696.0, 3736291.0,	465.0,	465.0,	0.0);
(499746.0, 3736291.0,	465.3,	465.3,	0.0);	(499796.0, 3736291.0,	465.3,	465.3,	0.0);
(499846.0, 3736291.0,	465.6,	465.6,	0.0);	(499896.0, 3736291.0,	465.9,	465.9,	0.0);
(499946.0, 3736291.0,	465.9,	465.9,	0.0);	(499996.0, 3736291.0,	466.2,	466.2,	0.0);
(500046.0, 3736291.0,	466.2,	466.2,	0.0);	(500096.0, 3736291.0,	466.5,	466.5,	0.0);
(500146.0, 3736291.0,	466.7,	466.7,	0.0);	(500196.0, 3736291.0,	466.8,	466.8,	0.0);
(500246.0, 3736291.0,	467.1,	467.1,	0.0);	(500296.0, 3736291.0,	467.4,	467.4,	0.0);
(500346.0, 3736291.0,	467.6,	467.6,	0.0);	(500396.0, 3736291.0,	467.8,	467.8,	0.0);
(500446.0, 3736291.0,	468.1,	468.1,	0.0);	(500496.0, 3736291.0,	468.4,	468.4,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(499046.0, 3736341.0,	463.2,	607.3,	0.0);	(499096.0, 3736341.0,	463.5,	607.3,	0.0);
(499146.0, 3736341.0,	463.5,	607.3,	0.0);	(499196.0, 3736341.0,	463.8,	607.3,	0.0);
(499246.0, 3736341.0,	463.8,	463.8,	0.0);	(499296.0, 3736341.0,	464.1,	464.1,	0.0);
(499346.0, 3736341.0,	464.1,	464.1,	0.0);	(499396.0, 3736341.0,	464.3,	464.3,	0.0);
(499446.0, 3736341.0,	464.4,	464.4,	0.0);	(499496.0, 3736341.0,	464.7,	464.7,	0.0);
(499546.0, 3736341.0,	464.7,	464.7,	0.0);	(499596.0, 3736341.0,	464.7,	464.7,	0.0);
(499646.0, 3736341.0,	464.9,	464.9,	0.0);	(499696.0, 3736341.0,	465.0,	465.0,	0.0);
(499746.0, 3736341.0,	465.3,	465.3,	0.0);	(499796.0, 3736341.0,	465.3,	465.3,	0.0);
(499846.0, 3736341.0,	465.6,	465.6,	0.0);	(499896.0, 3736341.0,	465.9,	465.9,	0.0);
(499946.0, 3736341.0,	465.8,	465.8,	0.0);	(499996.0, 3736341.0,	466.2,	466.2,	0.0);
(500046.0, 3736341.0,	466.2,	466.2,	0.0);	(500096.0, 3736341.0,	466.5,	466.5,	0.0);
(500146.0, 3736341.0,	466.5,	466.5,	0.0);	(500196.0, 3736341.0,	466.8,	466.8,	0.0);
(500246.0, 3736341.0,	467.1,	467.1,	0.0);	(500296.0, 3736341.0,	467.3,	467.3,	0.0);
(500346.0, 3736341.0,	467.4,	467.4,	0.0);	(500396.0, 3736341.0,	467.8,	467.8,	0.0);
(500446.0, 3736341.0,	468.1,	468.1,	0.0);	(500496.0, 3736341.0,	468.1,	468.1,	0.0);
(499046.0, 3736391.0,	463.2,	607.3,	0.0);	(499096.0, 3736391.0,	463.4,	607.3,	0.0);
(499146.0, 3736391.0,	463.5,	607.3,	0.0);	(499196.0, 3736391.0,	463.7,	463.7,	0.0);
(499246.0, 3736391.0,	463.8,	463.8,	0.0);	(499296.0, 3736391.0,	463.9,	463.9,	0.0);
(499346.0, 3736391.0,	464.1,	464.1,	0.0);	(499396.0, 3736391.0,	464.1,	464.1,	0.0);
(499446.0, 3736391.0,	464.4,	464.4,	0.0);	(499496.0, 3736391.0,	464.4,	464.4,	0.0);
(499546.0, 3736391.0,	464.7,	464.7,	0.0);	(499596.0, 3736391.0,	464.7,	464.7,	0.0);
(499646.0, 3736391.0,	465.0,	465.0,	0.0);	(499696.0, 3736391.0,	465.2,	465.2,	0.0);
(499746.0, 3736391.0,	465.3,	465.3,	0.0);	(499796.0, 3736391.0,	465.3,	465.3,	0.0);

(499846.0, 3736391.0, 465.6, 465.6, 0.0); (499896.0, 3736391.0, 465.6, 465.6, 0.0);
(499946.0, 3736391.0, 465.7, 465.7, 0.0); (499996.0, 3736391.0, 466.0, 466.0, 0.0);
(500046.0, 3736391.0, 466.2, 466.2, 0.0); (500096.0, 3736391.0, 466.3, 466.3, 0.0);
(500146.0, 3736391.0, 466.5, 466.5, 0.0); (500196.0, 3736391.0, 466.8, 466.8, 0.0);
(500246.0, 3736391.0, 467.0, 467.0, 0.0); (500296.0, 3736391.0, 467.1, 467.1, 0.0);
(500346.0, 3736391.0, 467.4, 467.4, 0.0); (500396.0, 3736391.0, 467.7, 467.7, 0.0);
(500446.0, 3736391.0, 467.8, 467.8, 0.0); (500496.0, 3736391.0, 468.1, 468.1, 0.0);
(499046.0, 3736441.0, 463.2, 607.3, 0.0); (499096.0, 3736441.0, 463.2, 607.3, 0.0);
(499146.0, 3736441.0, 463.5, 607.3, 0.0); (499196.0, 3736441.0, 463.5, 463.5, 0.0);
(499246.0, 3736441.0, 463.8, 463.8, 0.0); (499296.0, 3736441.0, 463.8, 463.8, 0.0);
(499346.0, 3736441.0, 464.1, 464.1, 0.0); (499396.0, 3736441.0, 464.1, 464.1, 0.0);
(499446.0, 3736441.0, 464.4, 464.4, 0.0); (499496.0, 3736441.0, 464.4, 464.4, 0.0);
(499546.0, 3736441.0, 464.7, 464.7, 0.0); (499596.0, 3736441.0, 464.7, 464.7, 0.0);
(499646.0, 3736441.0, 465.0, 465.0, 0.0); (499696.0, 3736441.0, 465.0, 465.0, 0.0);
(499746.0, 3736441.0, 465.2, 465.2, 0.0); (499796.0, 3736441.0, 465.3, 465.3, 0.0);
(499846.0, 3736441.0, 465.6, 465.6, 0.0); (499896.0, 3736441.0, 465.6, 465.6, 0.0);
(499946.0, 3736441.0, 465.7, 465.7, 0.0); (499996.0, 3736441.0, 466.0, 466.0, 0.0);
(500046.0, 3736441.0, 466.2, 466.2, 0.0); (500096.0, 3736441.0, 466.2, 466.2, 0.0);
(500146.0, 3736441.0, 466.5, 466.5, 0.0); (500196.0, 3736441.0, 466.7, 466.7, 0.0);
(500246.0, 3736441.0, 466.8, 466.8, 0.0); (500296.0, 3736441.0, 467.1, 467.1, 0.0);
(500346.0, 3736441.0, 467.4, 467.4, 0.0); (500396.0, 3736441.0, 467.4, 467.4, 0.0);
(500446.0, 3736441.0, 467.8, 467.8, 0.0); (500496.0, 3736441.0, 468.1, 468.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(499046.0, 3736491.0, 463.2, 607.3, 0.0); (499096.0, 3736491.0, 463.2, 607.3, 0.0);
(499146.0, 3736491.0, 463.5, 463.5, 0.0); (499196.0, 3736491.0, 463.5, 463.5, 0.0);
(499246.0, 3736491.0, 463.8, 463.8, 0.0); (499296.0, 3736491.0, 463.8, 463.8, 0.0);
(499346.0, 3736491.0, 464.0, 464.0, 0.0); (499396.0, 3736491.0, 464.1, 464.1, 0.0);
(499446.0, 3736491.0, 464.4, 464.4, 0.0); (499496.0, 3736491.0, 464.4, 464.4, 0.0);
(499546.0, 3736491.0, 464.7, 464.7, 0.0); (499596.0, 3736491.0, 464.7, 464.7, 0.0);
(499646.0, 3736491.0, 464.9, 464.9, 0.0); (499696.0, 3736491.0, 465.0, 465.0, 0.0);
(499746.0, 3736491.0, 465.0, 465.0, 0.0); (499796.0, 3736491.0, 465.3, 465.3, 0.0);
(499846.0, 3736491.0, 465.3, 465.3, 0.0); (499896.0, 3736491.0, 465.6, 465.6, 0.0);
(499946.0, 3736491.0, 465.7, 465.7, 0.0); (499996.0, 3736491.0, 466.0, 466.0, 0.0);
(500196.0, 3736491.0, 466.5, 466.5, 0.0); (500246.0, 3736491.0, 466.8, 466.8, 0.0);
(500296.0, 3736491.0, 467.1, 467.1, 0.0); (500346.0, 3736491.0, 467.1, 467.1, 0.0);
(500396.0, 3736491.0, 467.4, 467.4, 0.0); (500446.0, 3736491.0, 467.8, 467.8, 0.0);
(500496.0, 3736491.0, 468.1, 468.1, 0.0); (499046.0, 3736541.0, 463.2, 607.3, 0.0);
(499096.0, 3736541.0, 463.2, 607.3, 0.0); (499146.0, 3736541.0, 463.4, 463.4, 0.0);
(499196.0, 3736541.0, 463.5, 463.5, 0.0); (499246.0, 3736541.0, 463.8, 463.8, 0.0);
(499296.0, 3736541.0, 463.8, 463.8, 0.0); (499346.0, 3736541.0, 464.1, 464.1, 0.0);
(499396.0, 3736541.0, 464.1, 464.1, 0.0); (499446.0, 3736541.0, 464.4, 464.4, 0.0);
(499496.0, 3736541.0, 464.4, 464.4, 0.0); (499546.0, 3736541.0, 464.5, 464.5, 0.0);
(499596.0, 3736541.0, 464.7, 464.7, 0.0); (499646.0, 3736541.0, 464.7, 464.7, 0.0);
(499696.0, 3736541.0, 464.8, 464.8, 0.0); (499746.0, 3736541.0, 465.0, 465.0, 0.0);
(499796.0, 3736541.0, 465.0, 465.0, 0.0); (499846.0, 3736541.0, 465.3, 465.3, 0.0);
(499896.0, 3736541.0, 465.6, 465.6, 0.0); (499946.0, 3736541.0, 465.7, 465.7, 0.0);
(499996.0, 3736541.0, 466.0, 466.0, 0.0); (500196.0, 3736541.0, 466.5, 466.5, 0.0);
(500246.0, 3736541.0, 466.8, 466.8, 0.0); (500296.0, 3736541.0, 466.8, 466.8, 0.0);
(500346.0, 3736541.0, 467.1, 467.1, 0.0); (500396.0, 3736541.0, 467.4, 467.4, 0.0);
(500446.0, 3736541.0, 467.8, 467.8, 0.0); (500496.0, 3736541.0, 467.8, 467.8, 0.0);
(496546.0, 3736591.0, 460.7, 753.8, 0.0); (496596.0, 3736591.0, 460.7, 753.8, 0.0);
(496646.0, 3736591.0, 460.4, 753.8, 0.0); (496696.0, 3736591.0, 460.4, 753.8, 0.0);
(496746.0, 3736591.0, 460.4, 753.8, 0.0); (496796.0, 3736591.0, 460.4, 753.8, 0.0);
(497196.0, 3736591.0, 462.5, 753.8, 0.0); (497246.0, 3736591.0, 463.2, 753.8, 0.0);
(497296.0, 3736591.0, 463.5, 753.8, 0.0); (497346.0, 3736591.0, 463.6, 753.8, 0.0);
(497396.0, 3736591.0, 462.9, 753.8, 0.0); (497446.0, 3736591.0, 461.2, 753.8, 0.0);
(497496.0, 3736591.0, 460.9, 753.8, 0.0); (497546.0, 3736591.0, 460.2, 753.8, 0.0);
(497596.0, 3736591.0, 459.8, 753.8, 0.0); (497646.0, 3736591.0, 459.1, 753.8, 0.0);
(497696.0, 3736591.0, 459.5, 753.8, 0.0); (497746.0, 3736591.0, 459.9, 753.8, 0.0);
(499296.0, 3736591.0, 463.8, 463.8, 0.0); (499346.0, 3736591.0, 464.1, 464.1, 0.0);
(499796.0, 3736591.0, 465.0, 465.0, 0.0); (499846.0, 3736591.0, 465.3, 465.3, 0.0);
(499896.0, 3736591.0, 465.3, 465.3, 0.0); (499946.0, 3736591.0, 465.6, 465.6, 0.0);
(499996.0, 3736591.0, 465.9, 465.9, 0.0); (500046.0, 3736591.0, 465.9, 465.9, 0.0);
(500096.0, 3736591.0, 466.2, 466.2, 0.0); (500146.0, 3736591.0, 466.2, 466.2, 0.0);
(496546.0, 3736641.0, 460.9, 753.8, 0.0); (496596.0, 3736641.0, 460.7, 753.8, 0.0);
(496646.0, 3736641.0, 460.6, 753.8, 0.0); (496696.0, 3736641.0, 460.6, 753.8, 0.0);
(496746.0, 3736641.0, 460.6, 753.8, 0.0); (496796.0, 3736641.0, 460.5, 753.8, 0.0);
(497246.0, 3736641.0, 463.6, 753.8, 0.0); (497296.0, 3736641.0, 463.8, 753.8, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(497346.0, 3736641.0, 464.1, 753.8, 0.0); (497396.0, 3736641.0, 463.5, 753.8, 0.0);
(497446.0, 3736641.0, 461.3, 753.8, 0.0); (497496.0, 3736641.0, 461.1, 753.8, 0.0);
(497546.0, 3736641.0, 463.3, 753.8, 0.0); (497596.0, 3736641.0, 461.1, 753.8, 0.0);
(497646.0, 3736641.0, 460.0, 753.8, 0.0); (497696.0, 3736641.0, 460.0, 753.8, 0.0);

(497746.0, 3736641.0, 459.9, 753.8, 0.0); (499296.0, 3736641.0, 463.8, 463.8, 0.0);
(499346.0, 3736641.0, 463.9, 463.9, 0.0); (499796.0, 3736641.0, 465.0, 465.0, 0.0);
(499846.0, 3736641.0, 465.0, 465.0, 0.0); (499896.0, 3736641.0, 465.3, 465.3, 0.0);
(499946.0, 3736641.0, 465.5, 465.5, 0.0); (499996.0, 3736641.0, 465.8, 465.8, 0.0);
(500046.0, 3736641.0, 465.9, 465.9, 0.0); (500096.0, 3736641.0, 466.2, 466.2, 0.0);
(500146.0, 3736641.0, 466.2, 466.2, 0.0); (496546.0, 3736691.0, 460.7, 753.8, 0.0);
(496596.0, 3736691.0, 460.4, 753.8, 0.0); (496646.0, 3736691.0, 460.3, 753.8, 0.0);
(496696.0, 3736691.0, 460.1, 753.8, 0.0); (496746.0, 3736691.0, 460.3, 753.8, 0.0);
(496796.0, 3736691.0, 460.1, 753.8, 0.0); (497246.0, 3736691.0, 462.7, 753.8, 0.0);
(497296.0, 3736691.0, 463.9, 753.8, 0.0); (497346.0, 3736691.0, 464.0, 753.8, 0.0);
(497396.0, 3736691.0, 463.3, 753.8, 0.0); (497446.0, 3736691.0, 461.2, 753.8, 0.0);
(497496.0, 3736691.0, 460.8, 753.8, 0.0); (497546.0, 3736691.0, 465.7, 753.8, 0.0);
(497596.0, 3736691.0, 462.3, 753.8, 0.0); (497646.0, 3736691.0, 460.3, 753.8, 0.0);
(497696.0, 3736691.0, 459.8, 753.8, 0.0); (497746.0, 3736691.0, 460.2, 753.8, 0.0);
(498796.0, 3736691.0, 462.0, 607.3, 0.0); (498846.0, 3736691.0, 462.3, 607.3, 0.0);
(499296.0, 3736691.0, 463.8, 463.8, 0.0); (499346.0, 3736691.0, 463.8, 463.8, 0.0);
(499796.0, 3736691.0, 465.0, 465.0, 0.0); (499846.0, 3736691.0, 465.0, 465.0, 0.0);
(499896.0, 3736691.0, 465.4, 465.4, 0.0); (499946.0, 3736691.0, 465.4, 465.4, 0.0);
(499996.0, 3736691.0, 465.7, 465.7, 0.0); (500046.0, 3736691.0, 465.9, 465.9, 0.0);
(500096.0, 3736691.0, 466.1, 466.1, 0.0); (500146.0, 3736691.0, 466.2, 466.2, 0.0);
(496546.0, 3736741.0, 460.7, 753.8, 0.0); (496596.0, 3736741.0, 460.4, 753.8, 0.0);
(496646.0, 3736741.0, 460.1, 753.8, 0.0); (496696.0, 3736741.0, 460.1, 753.8, 0.0);
(496746.0, 3736741.0, 459.8, 753.8, 0.0); (496796.0, 3736741.0, 459.8, 753.8, 0.0);
(497246.0, 3736741.0, 461.8, 753.8, 0.0); (497296.0, 3736741.0, 462.6, 753.8, 0.0);
(497346.0, 3736741.0, 463.3, 753.8, 0.0); (497396.0, 3736741.0, 462.5, 753.8, 0.0);
(497446.0, 3736741.0, 460.6, 753.8, 0.0); (497496.0, 3736741.0, 461.1, 753.8, 0.0);
(497546.0, 3736741.0, 461.0, 753.8, 0.0); (497596.0, 3736741.0, 463.4, 753.8, 0.0);
(497646.0, 3736741.0, 460.5, 753.8, 0.0); (497696.0, 3736741.0, 459.7, 753.8, 0.0);
(497746.0, 3736741.0, 460.1, 753.8, 0.0); (498796.0, 3736741.0, 462.0, 607.3, 0.0);
(498846.0, 3736741.0, 462.2, 607.3, 0.0); (499296.0, 3736741.0, 463.5, 463.5, 0.0);
(499346.0, 3736741.0, 463.7, 463.7, 0.0); (500096.0, 3736741.0, 466.1, 466.1, 0.0);
(500146.0, 3736741.0, 466.2, 466.2, 0.0); (496546.0, 3736791.0, 460.7, 753.8, 0.0);
(496596.0, 3736791.0, 460.4, 753.8, 0.0); (496646.0, 3736791.0, 460.3, 753.8, 0.0);
(496696.0, 3736791.0, 460.1, 753.8, 0.0); (496746.0, 3736791.0, 459.8, 753.8, 0.0);
(496796.0, 3736791.0, 459.8, 753.8, 0.0); (497196.0, 3736791.0, 460.4, 753.8, 0.0);
(497246.0, 3736791.0, 460.8, 753.8, 0.0); (497296.0, 3736791.0, 461.1, 753.8, 0.0);
(497346.0, 3736791.0, 461.9, 753.8, 0.0); (497396.0, 3736791.0, 461.6, 753.8, 0.0);
(497446.0, 3736791.0, 460.3, 753.8, 0.0); (497496.0, 3736791.0, 460.4, 753.8, 0.0);
(497546.0, 3736791.0, 460.6, 753.8, 0.0); (497596.0, 3736791.0, 465.5, 753.8, 0.0);
(497646.0, 3736791.0, 462.6, 753.8, 0.0); (497696.0, 3736791.0, 460.2, 753.8, 0.0);
(497746.0, 3736791.0, 460.2, 753.8, 0.0); (498496.0, 3736791.0, 461.0, 753.8, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(498546.0, 3736791.0, 461.2, 753.8, 0.0); (498796.0, 3736791.0, 462.0, 607.3, 0.0);
(498846.0, 3736791.0, 462.2, 607.3, 0.0); (499296.0, 3736791.0, 463.5, 463.5, 0.0);
(499346.0, 3736791.0, 463.5, 463.5, 0.0); (499596.0, 3736791.0, 464.1, 464.1, 0.0);
(499646.0, 3736791.0, 464.1, 464.1, 0.0); (499696.0, 3736791.0, 464.4, 464.4, 0.0);
(500096.0, 3736791.0, 466.2, 466.2, 0.0); (500146.0, 3736791.0, 466.3, 466.3, 0.0);
(500196.0, 3736791.0, 466.5, 466.5, 0.0); (500246.0, 3736791.0, 466.8, 466.8, 0.0);
(500296.0, 3736791.0, 467.1, 467.1, 0.0); (500346.0, 3736791.0, 467.2, 467.2, 0.0);
(500396.0, 3736791.0, 467.4, 467.4, 0.0); (500446.0, 3736791.0, 467.8, 467.8, 0.0);
(500496.0, 3736791.0, 467.8, 467.8, 0.0); (496546.0, 3736841.0, 460.7, 753.8, 0.0);
(496596.0, 3736841.0, 460.4, 753.8, 0.0); (496646.0, 3736841.0, 460.1, 753.8, 0.0);
(496696.0, 3736841.0, 459.9, 753.8, 0.0); (496746.0, 3736841.0, 459.8, 753.8, 0.0);
(496796.0, 3736841.0, 459.8, 753.8, 0.0); (497196.0, 3736841.0, 459.7, 753.8, 0.0);
(497246.0, 3736841.0, 460.2, 753.8, 0.0); (497296.0, 3736841.0, 459.9, 753.8, 0.0);
(497346.0, 3736841.0, 460.8, 753.8, 0.0); (497396.0, 3736841.0, 460.3, 753.8, 0.0);
(497446.0, 3736841.0, 460.4, 753.8, 0.0); (497496.0, 3736841.0, 460.4, 753.8, 0.0);
(497546.0, 3736841.0, 460.6, 753.8, 0.0); (497596.0, 3736841.0, 460.9, 753.8, 0.0);
(497646.0, 3736841.0, 461.1, 753.8, 0.0); (497696.0, 3736841.0, 460.0, 753.8, 0.0);
(497746.0, 3736841.0, 460.1, 753.8, 0.0); (498496.0, 3736841.0, 461.0, 753.8, 0.0);
(498546.0, 3736841.0, 461.2, 753.8, 0.0); (498796.0, 3736841.0, 462.0, 753.7, 0.0);
(498846.0, 3736841.0, 462.1, 607.3, 0.0); (499296.0, 3736841.0, 463.4, 463.4, 0.0);
(499346.0, 3736841.0, 463.5, 463.5, 0.0); (499596.0, 3736841.0, 464.1, 464.1, 0.0);
(499646.0, 3736841.0, 464.1, 464.1, 0.0); (499696.0, 3736841.0, 464.4, 464.4, 0.0);
(500096.0, 3736841.0, 466.2, 466.2, 0.0); (500146.0, 3736841.0, 466.5, 466.5, 0.0);
(500196.0, 3736841.0, 466.8, 466.8, 0.0); (500246.0, 3736841.0, 466.9, 466.9, 0.0);
(500296.0, 3736841.0, 467.1, 467.1, 0.0); (500346.0, 3736841.0, 467.4, 467.4, 0.0);
(500396.0, 3736841.0, 467.4, 467.4, 0.0); (500446.0, 3736841.0, 467.8, 467.8, 0.0);
(500496.0, 3736841.0, 467.8, 467.8, 0.0); (496546.0, 3736891.0, 461.0, 753.8, 0.0);
(496596.0, 3736891.0, 460.7, 753.8, 0.0); (496646.0, 3736891.0, 460.4, 753.8, 0.0);
(496696.0, 3736891.0, 460.1, 753.8, 0.0); (496746.0, 3736891.0, 459.9, 753.8, 0.0);
(496796.0, 3736891.0, 459.9, 753.8, 0.0); (497096.0, 3736891.0, 459.2, 753.8, 0.0);
(497146.0, 3736891.0, 459.1, 753.8, 0.0); (497196.0, 3736891.0, 459.1, 753.8, 0.0);
(497246.0, 3736891.0, 459.4, 753.8, 0.0); (497296.0, 3736891.0, 459.2, 753.8, 0.0);
(497346.0, 3736891.0, 460.2, 753.8, 0.0); (497396.0, 3736891.0, 459.8, 753.8, 0.0);
(497446.0, 3736891.0, 460.4, 753.8, 0.0); (497496.0, 3736891.0, 460.2, 753.8, 0.0);
(497546.0, 3736891.0, 460.4, 753.8, 0.0); (497596.0, 3736891.0, 460.7, 753.8, 0.0);
(497646.0, 3736891.0, 460.7, 753.8, 0.0); (497696.0, 3736891.0, 460.8, 753.8, 0.0);
(497746.0, 3736891.0, 460.3, 753.8, 0.0); (498496.0, 3736891.0, 461.0, 753.8, 0.0);
(498546.0, 3736891.0, 461.0, 753.8, 0.0); (498746.0, 3736891.0, 461.7, 753.8, 0.0);
(498796.0, 3736891.0, 462.0, 753.8, 0.0); (498846.0, 3736891.0, 462.0, 607.3, 0.0);

(499296.0, 3736891.0, 463.2, 463.2, 0.0); (499346.0, 3736891.0, 463.5, 463.5, 0.0);
(499596.0, 3736891.0, 464.1, 464.1, 0.0); (499646.0, 3736891.0, 464.2, 464.2, 0.0);
(499696.0, 3736891.0, 464.4, 464.4, 0.0); (499746.0, 3736891.0, 464.7, 464.7, 0.0);
(499796.0, 3736891.0, 464.7, 464.7, 0.0); (499846.0, 3736891.0, 465.0, 465.0, 0.0);
(499896.0, 3736891.0, 464.9, 464.9, 0.0); (499946.0, 3736891.0, 465.8, 465.8, 0.0);
(499996.0, 3736891.0, 465.9, 465.9, 0.0); (500046.0, 3736891.0, 466.1, 466.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(500096.0, 3736891.0, 466.2, 466.2, 0.0); (500146.0, 3736891.0, 466.5, 466.5, 0.0);
(500196.0, 3736891.0, 466.8, 466.8, 0.0); (500246.0, 3736891.0, 467.1, 467.1, 0.0);
(500296.0, 3736891.0, 467.1, 467.1, 0.0); (500346.0, 3736891.0, 467.4, 467.4, 0.0);
(500396.0, 3736891.0, 467.4, 467.4, 0.0); (500446.0, 3736891.0, 467.8, 467.8, 0.0);
(500496.0, 3736891.0, 467.9, 467.9, 0.0); (496546.0, 3736941.0, 461.9, 753.8, 0.0);
(496596.0, 3736941.0, 460.9, 753.8, 0.0); (496646.0, 3736941.0, 460.5, 753.8, 0.0);
(496696.0, 3736941.0, 460.2, 753.8, 0.0); (496746.0, 3736941.0, 460.4, 753.8, 0.0);
(496796.0, 3736941.0, 460.2, 753.8, 0.0); (497096.0, 3736941.0, 458.6, 753.8, 0.0);
(497146.0, 3736941.0, 458.6, 753.8, 0.0); (497196.0, 3736941.0, 459.1, 753.8, 0.0);
(497246.0, 3736941.0, 458.8, 753.8, 0.0); (497296.0, 3736941.0, 458.9, 753.8, 0.0);
(497346.0, 3736941.0, 459.8, 753.8, 0.0); (497396.0, 3736941.0, 459.5, 753.8, 0.0);
(497446.0, 3736941.0, 459.9, 753.8, 0.0); (497496.0, 3736941.0, 460.1, 753.8, 0.0);
(497546.0, 3736941.0, 460.1, 753.8, 0.0); (497596.0, 3736941.0, 460.4, 753.8, 0.0);
(497646.0, 3736941.0, 460.4, 753.8, 0.0); (497696.0, 3736941.0, 460.4, 753.8, 0.0);
(497746.0, 3736941.0, 460.1, 753.8, 0.0); (498746.0, 3736941.0, 461.7, 753.8, 0.0);
(498796.0, 3736941.0, 462.0, 753.8, 0.0); (498846.0, 3736941.0, 462.0, 607.3, 0.0);
(499596.0, 3736941.0, 464.1, 464.1, 0.0); (499646.0, 3736941.0, 464.2, 464.2, 0.0);
(499696.0, 3736941.0, 464.4, 464.4, 0.0); (499746.0, 3736941.0, 464.7, 464.7, 0.0);
(499796.0, 3736941.0, 464.7, 464.7, 0.0); (499846.0, 3736941.0, 465.0, 465.0, 0.0);
(499896.0, 3736941.0, 464.9, 464.9, 0.0); (499946.0, 3736941.0, 465.7, 465.7, 0.0);
(499996.0, 3736941.0, 465.9, 465.9, 0.0); (500046.0, 3736941.0, 466.2, 466.2, 0.0);
(500096.0, 3736941.0, 466.4, 466.4, 0.0); (500146.0, 3736941.0, 466.5, 466.5, 0.0);
(500196.0, 3736941.0, 466.8, 466.8, 0.0); (500246.0, 3736941.0, 467.1, 467.1, 0.0);
(500296.0, 3736941.0, 467.1, 467.1, 0.0); (500346.0, 3736941.0, 467.4, 467.4, 0.0);
(500396.0, 3736941.0, 467.4, 467.4, 0.0); (500446.0, 3736941.0, 467.8, 467.8, 0.0);
(500496.0, 3736941.0, 467.8, 467.8, 0.0); (496546.0, 3736991.0, 462.7, 753.8, 0.0);
(496596.0, 3736991.0, 461.6, 753.8, 0.0); (498696.0, 3736991.0, 461.7, 753.8, 0.0);
(498746.0, 3736991.0, 461.7, 753.8, 0.0); (498796.0, 3736991.0, 462.0, 753.8, 0.0);
(498846.0, 3736991.0, 462.0, 753.6, 0.0); (498896.0, 3736991.0, 462.2, 462.2, 0.0);
(499696.0, 3736991.0, 464.4, 464.4, 0.0); (496546.0, 3737041.0, 463.3, 753.8, 0.0);
(496596.0, 3737041.0, 462.3, 753.8, 0.0); (498696.0, 3737041.0, 461.7, 753.8, 0.0);
(498746.0, 3737041.0, 461.7, 753.8, 0.0); (498796.0, 3737041.0, 462.0, 753.8, 0.0);
(498846.0, 3737041.0, 462.0, 753.8, 0.0); (498896.0, 3737041.0, 462.1, 462.1, 0.0);
(499696.0, 3737041.0, 464.4, 464.4, 0.0); (496546.0, 3737091.0, 463.8, 753.8, 0.0);
(496596.0, 3737091.0, 463.1, 753.8, 0.0); (498746.0, 3737091.0, 461.7, 753.8, 0.0);
(498796.0, 3737091.0, 461.8, 753.8, 0.0); (498846.0, 3737091.0, 462.0, 753.8, 0.0);
(498896.0, 3737091.0, 462.0, 462.0, 0.0); (499696.0, 3737091.0, 464.4, 464.4, 0.0);
(496546.0, 3737141.0, 466.6, 753.8, 0.0); (496596.0, 3737141.0, 464.6, 753.8, 0.0);
(499696.0, 3737141.0, 464.4, 464.4, 0.0); (499396.0, 3737191.0, 463.2, 463.2, 0.0);
(499446.0, 3737191.0, 463.5, 463.5, 0.0); (499496.0, 3737191.0, 463.6, 463.6, 0.0);
(499546.0, 3737191.0, 463.8, 463.8, 0.0); (499596.0, 3737191.0, 464.0, 464.0, 0.0);
(499646.0, 3737191.0, 464.1, 464.1, 0.0); (499696.0, 3737191.0, 464.4, 464.4, 0.0);
(499396.0, 3737241.0, 463.2, 463.2, 0.0); (499446.0, 3737241.0, 463.5, 463.5, 0.0);
(499496.0, 3737241.0, 463.5, 463.5, 0.0); (499546.0, 3737241.0, 463.8, 463.8, 0.0);
(499596.0, 3737241.0, 464.0, 464.0, 0.0); (499646.0, 3737241.0, 464.1, 464.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(499696.0, 3737241.0, 464.4, 464.4, 0.0); (499396.0, 3737291.0, 463.2, 463.2, 0.0);
(499446.0, 3737291.0, 463.5, 463.5, 0.0); (499496.0, 3737291.0, 463.5, 463.5, 0.0);
(499546.0, 3737291.0, 463.8, 463.8, 0.0); (499596.0, 3737291.0, 463.8, 463.8, 0.0);
(499646.0, 3737291.0, 464.1, 464.1, 0.0); (499696.0, 3737291.0, 464.3, 464.3, 0.0);
(499396.0, 3737341.0, 463.2, 463.2, 0.0); (499446.0, 3737341.0, 463.3, 463.3, 0.0);
(499496.0, 3737341.0, 463.5, 463.5, 0.0); (499546.0, 3737341.0, 463.8, 463.8, 0.0);
(499596.0, 3737341.0, 463.8, 463.8, 0.0); (499646.0, 3737341.0, 464.1, 464.1, 0.0);
(499696.0, 3737341.0, 464.1, 464.1, 0.0); (498945.0, 3736941.0, 462.3, 462.3, 0.0);
(498995.0, 3736943.0, 462.6, 462.6, 0.0); (498945.0, 3736894.0, 462.3, 462.3, 0.0);
(498995.0, 3736897.0, 462.6, 462.6, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE - - RECEPTOR LOCATION - - DISTANCE

ID	XR (METERS)	YR (METERS)	(METERS)
L0000087	498746.0	3736941.0	-2.10
L0000089	498796.0	3736941.0	0.21
L0000092	498846.0	3736941.0	-0.11
L0000099	498995.0	3736943.0	-0.12
L0000137	499396.0	3736541.0	-8.18
L0000139	499446.0	3736541.0	-5.65
L0000140	499446.0	3736541.0	-2.11
L0000141	499496.0	3736541.0	-0.68
L0000142	499496.0	3736541.0	-5.92
L0000144	499546.0	3736541.0	-6.72
L0000146	499596.0	3736541.0	-4.09
L0000147	499596.0	3736541.0	-1.50
L0000148	499646.0	3736541.0	0.77
L0000149	499646.0	3736541.0	-4.83
L0000151	499696.0	3736541.0	-5.24
L0000153	499746.0	3736541.0	-2.53
L0000154	499746.0	3736541.0	-0.78
L0000156	499796.0	3736541.0	-3.67
L0000158	499846.0	3736541.0	-3.75
L0000160	499896.0	3736541.0	-0.97
L0000161	499896.0	3736541.0	0.02
L0000163	499946.0	3736541.0	-2.45
L0000165	499996.0	3736541.0	-2.24

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1

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10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30  318.    9.1  284.9    5.5
10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90  196.    9.1  283.1    5.5
10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90  330.    9.1  281.4    5.5
10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30  332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
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*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5 YEARS FOR SOURCE GROUP: FAC1     ***
                                INCLUDING SOURCE(S):     L0000609    , L0000610    , L0000611    , L0000612    , L0000613    ,
                 L0000614    , L0000615    , L0000616    , L0000617    , L0000618    , L0000619    , L0000620    , L0000621    ,
                 L0000622    , L0000623    , L0000624    , L0000625    , L0000626    , L0000627    , L0000628    , L0000629    ,
                 L0000630    , L0000631    , L0000632    , L0000633    , L0000634    , L0000635    , L0000636    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

      X-COORD (M)   Y-COORD (M)        CONC                     X-COORD (M)   Y-COORD (M)        CONC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       499046.00    3736191.00        0.44239                    499096.00    3736191.00        0.42104
       499146.00    3736191.00        0.39428                    499196.00    3736191.00        0.38068
       499246.00    3736191.00        0.36500                    499296.00    3736191.00        0.35285
       499346.00    3736191.00        0.34041                    499396.00    3736191.00        0.32950
       499446.00    3736191.00        0.31826                    499496.00    3736191.00        0.30848
       499546.00    3736191.00        0.29832                    499596.00    3736191.00        0.28995
       499646.00    3736191.00        0.28106                    499696.00    3736191.00        0.27218
       499746.00    3736191.00        0.26459                    499796.00    3736191.00        0.25654
       499846.00    3736191.00        0.24861                    499896.00    3736191.00        0.24183
       499946.00    3736191.00        0.23536                    499996.00    3736191.00        0.22811
       500046.00    3736191.00        0.22114                    500096.00    3736191.00        0.21561
       500146.00    3736191.00        0.20915                    500196.00    3736191.00        0.20350
       500246.00    3736191.00        0.19809                    500296.00    3736191.00        0.19250
       500346.00    3736191.00        0.18715                    500396.00    3736191.00        0.18207
       500446.00    3736191.00        0.17791                    500496.00    3736191.00        0.17321
       499046.00    3736241.00        0.44742                    499096.00    3736241.00        0.42530
       499146.00    3736241.00        0.39756                    499196.00    3736241.00        0.38371
       499246.00    3736241.00        0.36772                    499296.00    3736241.00        0.35544
       499346.00    3736241.00        0.34277                    499396.00    3736241.00        0.33177
       499446.00    3736241.00        0.32052                    499496.00    3736241.00        0.31044
       499546.00    3736241.00        0.30015                    499596.00    3736241.00        0.29208
       499646.00    3736241.00        0.28271                    499696.00    3736241.00        0.27460
       499746.00    3736241.00        0.26605                    499796.00    3736241.00        0.25846
       499846.00    3736241.00        0.25047                    499896.00    3736241.00        0.24336
       499946.00    3736241.00        0.23645                    499996.00    3736241.00        0.22920
       500046.00    3736241.00        0.22305                    500096.00    3736241.00        0.21658
       500146.00    3736241.00        0.21006                    500196.00    3736241.00        0.20440
       500246.00    3736241.00        0.19898                    500296.00    3736241.00        0.19328
       500346.00    3736241.00        0.18788                    500396.00    3736241.00        0.18332
       500446.00    3736241.00        0.17858                    500496.00    3736241.00        0.17384
       499046.00    3736291.00        0.45234                    499096.00    3736291.00        0.42946
       499146.00    3736291.00        0.40254                    499196.00    3736291.00        0.38672
       499246.00    3736291.00        0.37095                    499296.00    3736291.00        0.35797
       499346.00    3736291.00        0.34586                    499396.00    3736291.00        0.33397
       499446.00    3736291.00        0.32341                    499496.00    3736291.00        0.31238
       499546.00    3736291.00        0.30287                    499596.00    3736291.00        0.29382
       499646.00    3736291.00        0.28433                    499696.00    3736291.00        0.27614
       499746.00    3736291.00        0.26750                    499796.00    3736291.00        0.26009
       499846.00    3736291.00        0.25222                    499896.00    3736291.00        0.24442
       499946.00    3736291.00        0.23780                    499996.00    3736291.00        0.23045
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*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5 YEARS FOR SOURCE GROUP: FAC1     ***
                                INCLUDING SOURCE(S):     L0000609    , L0000610    , L0000611    , L0000612    , L0000613    ,
                 L0000614    , L0000615    , L0000616    , L0000617    , L0000618    , L0000619    , L0000620    , L0000621    ,
                 L0000622    , L0000623    , L0000624    , L0000625    , L0000626    , L0000627    , L0000628    , L0000629    ,
                 L0000630    , L0000631    , L0000632    , L0000633    , L0000634    , L0000635    , L0000636    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

      X-COORD (M)   Y-COORD (M)        CONC                     X-COORD (M)   Y-COORD (M)        CONC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       500046.00    3736291.00        0.22446                    500096.00    3736291.00        0.21758
       500146.00    3736291.00        0.21155                    500196.00    3736291.00        0.20581
       500246.00    3736291.00        0.19979                    500296.00    3736291.00        0.19404
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500346.00	3736291.00	0.18902	500396.00	3736291.00	0.18426
500446.00	3736291.00	0.17923	500496.00	3736291.00	0.17445
499046.00	3736341.00	0.45712	499096.00	3736341.00	0.43351
499146.00	3736341.00	0.41808	499196.00	3736341.00	0.38967
499246.00	3736341.00	0.37624	499296.00	3736341.00	0.36046
499346.00	3736341.00	0.34853	499396.00	3736341.00	0.33633
499446.00	3736341.00	0.32546	499496.00	3736341.00	0.31429
499546.00	3736341.00	0.30467	499596.00	3736341.00	0.29552
499646.00	3736341.00	0.28634	499696.00	3736341.00	0.27766
499746.00	3736341.00	0.26895	499796.00	3736341.00	0.26144
499846.00	3736341.00	0.25343	499896.00	3736341.00	0.24540
499946.00	3736341.00	0.23953	499996.00	3736341.00	0.23181
500046.00	3736341.00	0.22547	500096.00	3736341.00	0.21856
500146.00	3736341.00	0.21309	500196.00	3736341.00	0.20664
500246.00	3736341.00	0.20057	500296.00	3736341.00	0.19524
500346.00	3736341.00	0.19022	500396.00	3736341.00	0.18493
500446.00	3736341.00	0.17986	500496.00	3736341.00	0.17580
499046.00	3736391.00	0.46172	499096.00	3736391.00	0.43899
499146.00	3736391.00	0.42172	499196.00	3736391.00	0.39353
499246.00	3736391.00	0.37894	499296.00	3736391.00	0.36545
499346.00	3736391.00	0.35082	499396.00	3736391.00	0.33938
499446.00	3736391.00	0.32746	499496.00	3736391.00	0.31719
499546.00	3736391.00	0.30643	499596.00	3736391.00	0.29718
499646.00	3736391.00	0.28749	499696.00	3736391.00	0.27850
499746.00	3736391.00	0.27030	499796.00	3736391.00	0.26275
499846.00	3736391.00	0.25469	499896.00	3736391.00	0.24787
499946.00	3736391.00	0.24095	499996.00	3736391.00	0.23353
500046.00	3736391.00	0.22644	500096.00	3736391.00	0.22043
500146.00	3736391.00	0.21395	500196.00	3736391.00	0.20745
500246.00	3736391.00	0.20183	500296.00	3736391.00	0.19653
500346.00	3736391.00	0.19089	500396.00	3736391.00	0.18559
500446.00	3736391.00	0.18130	500496.00	3736391.00	0.17639
499046.00	3736441.00	0.46613	499096.00	3736441.00	0.44893
499146.00	3736441.00	0.42522	499196.00	3736441.00	0.41014
499246.00	3736441.00	0.38155	499296.00	3736441.00	0.36852
499346.00	3736441.00	0.35304	499396.00	3736441.00	0.34146
499446.00	3736441.00	0.32940	499496.00	3736441.00	0.31902

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
499546.00	3736441.00	0.30813	499596.00	3736441.00	0.29879
499646.00	3736441.00	0.28899	499696.00	3736441.00	0.28054
499746.00	3736441.00	0.27199	499796.00	3736441.00	0.26403
499846.00	3736441.00	0.25593	499896.00	3736441.00	0.24903
499946.00	3736441.00	0.24195	499996.00	3736441.00	0.23465
500046.00	3736441.00	0.22737	500096.00	3736441.00	0.22157
500146.00	3736441.00	0.21477	500196.00	3736441.00	0.20877
500246.00	3736441.00	0.20315	500296.00	3736441.00	0.19720
500346.00	3736441.00	0.19181	500396.00	3736441.00	0.18707
500446.00	3736441.00	0.18189	500496.00	3736441.00	0.17692
499046.00	3736491.00	0.47032	499096.00	3736491.00	0.45280
499146.00	3736491.00	0.42930	499196.00	3736491.00	0.41322
499246.00	3736491.00	0.38406	499296.00	3736491.00	0.37087
499346.00	3736491.00	0.35541	499396.00	3736491.00	0.34346
499446.00	3736491.00	0.33125	499496.00	3736491.00	0.32076
499546.00	3736491.00	0.30975	499596.00	3736491.00	0.30031
499646.00	3736491.00	0.29069	499696.00	3736491.00	0.28189
499746.00	3736491.00	0.27377	499796.00	3736491.00	0.26520
499846.00	3736491.00	0.25791	499896.00	3736491.00	0.25012
499946.00	3736491.00	0.24292	499996.00	3736491.00	0.23555
500196.00	3736491.00	0.21020	500246.00	3736491.00	0.20383
500296.00	3736491.00	0.19812	500346.00	3736491.00	0.19315
500396.00	3736491.00	0.18762	500446.00	3736491.00	0.18240
500496.00	3736491.00	0.17739	499046.00	3736541.00	0.47425
499096.00	3736541.00	0.45643	499146.00	3736541.00	0.43332
499196.00	3736541.00	0.41613	499246.00	3736541.00	0.38645
499296.00	3736541.00	0.37305	499346.00	3736541.00	0.35719
499396.00	3736541.00	0.34535	499446.00	3736541.00	0.33301
499496.00	3736541.00	0.32240	499546.00	3736541.00	0.31206
499596.00	3736541.00	0.30179	499646.00	3736541.00	0.29269
499696.00	3736541.00	0.28379	499746.00	3736541.00	0.27496
499796.00	3736541.00	0.26717	499846.00	3736541.00	0.25894
499896.00	3736541.00	0.25111	499946.00	3736541.00	0.24386
499996.00	3736541.00	0.23646	500196.00	3736541.00	0.21086
500246.00	3736541.00	0.20444	500296.00	3736541.00	0.19951

500346.00	3736541.00	0.19369	500396.00	3736541.00	0.18812
500446.00	3736541.00	0.18286	500496.00	3736541.00	0.17844
496546.00	3736591.00	3.23780	496596.00	3736591.00	3.56678
496646.00	3736591.00	3.93071	496696.00	3736591.00	4.32763
496746.00	3736591.00	4.75431	496796.00	3736591.00	5.20352

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
497196.00	3736591.00	7.18756	497246.00	3736591.00	6.78311
497296.00	3736591.00	6.52431	497346.00	3736591.00	6.16530
497396.00	3736591.00	5.02479	497446.00	3736591.00	4.45555
497496.00	3736591.00	3.94193	497546.00	3736591.00	3.49640
497596.00	3736591.00	3.11423	497646.00	3736591.00	2.78897
497696.00	3736591.00	2.50993	497746.00	3736591.00	2.27109
499296.00	3736591.00	0.37516	499346.00	3736591.00	0.35908
499796.00	3736591.00	0.26818	499846.00	3736591.00	0.25985
499896.00	3736591.00	0.25261	499946.00	3736591.00	0.24505
499996.00	3736591.00	0.23751	500046.00	3736591.00	0.23117
500096.00	3736591.00	0.22396	500146.00	3736591.00	0.21823
496546.00	3736641.00	3.51616	496596.00	3736641.00	3.91702
496646.00	3736641.00	4.37067	496696.00	3736641.00	4.87851
496746.00	3736641.00	5.43895	496796.00	3736641.00	6.04496
497246.00	3736641.00	8.32796	497296.00	3736641.00	7.93708
497346.00	3736641.00	6.93232	497396.00	3736641.00	5.66407
497446.00	3736641.00	4.81274	497496.00	3736641.00	4.20452
497546.00	3736641.00	3.71115	497596.00	3736641.00	3.26578
497646.00	3736641.00	2.91008	497696.00	3736641.00	2.60823
497746.00	3736641.00	2.35235	499296.00	3736641.00	0.37706
499346.00	3736641.00	0.36308	499796.00	3736641.00	0.26908
499846.00	3736641.00	0.26147	499896.00	3736641.00	0.25341
499946.00	3736641.00	0.24607	499996.00	3736641.00	0.23854
500046.00	3736641.00	0.23188	500096.00	3736641.00	0.22462
500146.00	3736641.00	0.21881	496546.00	3736691.00	3.80744
496596.00	3736691.00	4.29391	496646.00	3736691.00	4.85940
496696.00	3736691.00	5.51364	496746.00	3736691.00	6.25802
496796.00	3736691.00	7.09277	497246.00	3736691.00	9.45037
497296.00	3736691.00	9.03324	497346.00	3736691.00	7.56693
497396.00	3736691.00	6.03607	497446.00	3736691.00	5.17619
497496.00	3736691.00	4.47039	497546.00	3736691.00	3.82768
497596.00	3736691.00	3.41561	497646.00	3736691.00	3.03098
497696.00	3736691.00	2.70667	497746.00	3736691.00	2.43199
498796.00	3736691.00	0.59861	498846.00	3736691.00	0.57247
499296.00	3736691.00	0.37876	499346.00	3736691.00	0.36574
499796.00	3736691.00	0.26990	499846.00	3736691.00	0.26221
499896.00	3736691.00	0.25410	499946.00	3736691.00	0.24701
499996.00	3736691.00	0.23951	500046.00	3736691.00	0.23251
500096.00	3736691.00	0.22579	500146.00	3736691.00	0.21931
496546.00	3736741.00	4.10227	496596.00	3736741.00	4.68612

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
496646.00	3736741.00	5.38718	496696.00	3736741.00	6.22589
496746.00	3736741.00	7.22518	496796.00	3736741.00	8.39251
497246.00	3736741.00	11.24404	497296.00	3736741.00	9.41497
497346.00	3736741.00	7.95533	497396.00	3736741.00	6.55031
497446.00	3736741.00	5.54279	497496.00	3736741.00	4.73155
497546.00	3736741.00	4.08865	497596.00	3736741.00	3.54644
497646.00	3736741.00	3.14983	497696.00	3736741.00	2.80229
497746.00	3736741.00	2.50957	498796.00	3736741.00	0.60282
498846.00	3736741.00	0.57629	499296.00	3736741.00	0.39562
499346.00	3736741.00	0.36811	500096.00	3736741.00	0.22619

500146.00	3736741.00	0.21972	496546.00	3736791.00	4.38948
496596.00	3736791.00	5.07919	496646.00	3736791.00	5.93393
496696.00	3736791.00	7.00004	496746.00	3736791.00	8.33258
496796.00	3736791.00	9.98221	497196.00	3736791.00	16.41979
497246.00	3736791.00	13.35444	497296.00	3736791.00	10.71305
497346.00	3736791.00	8.63697	497396.00	3736791.00	7.07617
497446.00	3736791.00	5.90158	497496.00	3736791.00	4.99146
497546.00	3736791.00	4.28147	497596.00	3736791.00	3.49301
497646.00	3736791.00	3.25845	497696.00	3736791.00	2.89180
497746.00	3736791.00	2.58205	498496.00	3736791.00	0.82003
498546.00	3736791.00	0.77668	498796.00	3736791.00	0.60644
498846.00	3736791.00	0.57957	499296.00	3736791.00	0.39703
499346.00	3736791.00	0.38325	499596.00	3736791.00	0.30916
499646.00	3736791.00	0.29965	499696.00	3736791.00	0.28967
500096.00	3736791.00	0.22588	500146.00	3736791.00	0.21955
500196.00	3736791.00	0.21303	500246.00	3736791.00	0.20642
500296.00	3736791.00	0.20016	500346.00	3736791.00	0.19497
500396.00	3736791.00	0.18960	500446.00	3736791.00	0.18417
500496.00	3736791.00	0.17987	496546.00	3736841.00	4.65465
496596.00	3736841.00	5.45181	496646.00	3736841.00	6.47250
496696.00	3736841.00	7.79760	496746.00	3736841.00	9.54266
496796.00	3736841.00	11.85967	497196.00	3736841.00	20.67767
497246.00	3736841.00	15.70510	497296.00	3736841.00	12.04277
497346.00	3736841.00	9.43300	497396.00	3736841.00	7.59090
497446.00	3736841.00	6.24334	497496.00	3736841.00	5.23551
497546.00	3736841.00	4.46134	497596.00	3736841.00	3.85329
497646.00	3736841.00	3.36716	497696.00	3736841.00	2.97404
497746.00	3736841.00	2.64726	498496.00	3736841.00	0.82580
498546.00	3736841.00	0.78181	498796.00	3736841.00	0.60943
498846.00	3736841.00	0.58230	499296.00	3736841.00	0.40024

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
499346.00	3736841.00	0.38431	499596.00	3736841.00	0.30975
499646.00	3736841.00	0.30016	499696.00	3736841.00	0.29018
500096.00	3736841.00	0.22607	500146.00	3736841.00	0.21879
500196.00	3736841.00	0.21210	500246.00	3736841.00	0.20652
500296.00	3736841.00	0.20028	500346.00	3736841.00	0.19432
500396.00	3736841.00	0.18967	500446.00	3736841.00	0.18422
500496.00	3736841.00	0.17991	496546.00	3736891.00	4.88004
496596.00	3736891.00	5.77641	496646.00	3736891.00	6.95567
496696.00	3736891.00	8.54735	496746.00	3736891.00	10.75591
496796.00	3736891.00	13.91190	497096.00	3736891.00	50.39874
497146.00	3736891.00	37.21175	497196.00	3736891.00	25.75100
497246.00	3736891.00	18.13782	497296.00	3736891.00	13.32213
497346.00	3736891.00	10.17377	497396.00	3736891.00	8.06102
497446.00	3736891.00	6.55537	497496.00	3736891.00	5.45596
497546.00	3736891.00	4.62081	497596.00	3736891.00	3.97181
497646.00	3736891.00	3.45763	497696.00	3736891.00	3.04198
497746.00	3736891.00	2.70153	498496.00	3736891.00	0.83032
498546.00	3736891.00	0.78585	498746.00	3736891.00	0.64127
498796.00	3736891.00	0.61176	498846.00	3736891.00	0.58443
499296.00	3736891.00	0.40700	499346.00	3736891.00	0.38511
499596.00	3736891.00	0.31016	499646.00	3736891.00	0.30005
499696.00	3736891.00	0.29052	499746.00	3736891.00	0.28097
499796.00	3736891.00	0.27274	499846.00	3736891.00	0.26401
499896.00	3736891.00	0.25710	499946.00	3736891.00	0.24751
499996.00	3736891.00	0.24031	500046.00	3736891.00	0.23308
500096.00	3736891.00	0.22620	500146.00	3736891.00	0.21889
500196.00	3736891.00	0.21190	500246.00	3736891.00	0.20559
500296.00	3736891.00	0.20031	500346.00	3736891.00	0.19429
500396.00	3736891.00	0.18967	500446.00	3736891.00	0.18420
500496.00	3736891.00	0.17941	496546.00	3736941.00	5.04719
496596.00	3736941.00	6.02670	496646.00	3736941.00	7.34000
496696.00	3736941.00	9.16560	496746.00	3736941.00	11.80608
496796.00	3736941.00	15.84495	497096.00	3736941.00	93.27452
497146.00	3736941.00	51.92531	497196.00	3736941.00	30.99081
497246.00	3736941.00	20.35874	497296.00	3736941.00	14.43183
497346.00	3736941.00	10.80802	497396.00	3736941.00	8.45272
497446.00	3736941.00	6.81475	497496.00	3736941.00	5.63183
497546.00	3736941.00	4.74674	497596.00	3736941.00	4.06396
497646.00	3736941.00	3.52662	497696.00	3736941.00	3.09474
497746.00	3736941.00	2.74244	498746.00	3736941.00	0.64308

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
498796.00	3736941.00	0.61339	498846.00	3736941.00	0.58590
499596.00	3736941.00	0.31040	499646.00	3736941.00	0.30026
499696.00	3736941.00	0.29071	499746.00	3736941.00	0.28113
499796.00	3736941.00	0.27289	499846.00	3736941.00	0.26420
499896.00	3736941.00	0.25717	499946.00	3736941.00	0.24771
499996.00	3736941.00	0.24033	500046.00	3736941.00	0.23248
500096.00	3736941.00	0.22540	500146.00	3736941.00	0.21889
500196.00	3736941.00	0.21187	500246.00	3736941.00	0.20529
500296.00	3736941.00	0.20026	500346.00	3736941.00	0.19422
500396.00	3736941.00	0.18960	500446.00	3736941.00	0.18411
500496.00	3736941.00	0.17957	496546.00	3736991.00	5.14418
496596.00	3736991.00	6.17411	498696.00	3736991.00	0.67623
498746.00	3736991.00	0.64408	498796.00	3736991.00	0.61429
498846.00	3736991.00	0.58672	498896.00	3736991.00	0.56106
499696.00	3736991.00	0.29074	496546.00	3737041.00	5.10292
496596.00	3737041.00	6.20185	498696.00	3737041.00	0.67644
498746.00	3737041.00	0.64426	498796.00	3737041.00	0.61445
498846.00	3737041.00	0.58687	498896.00	3737041.00	0.56121
499696.00	3737041.00	0.29060	496546.00	3737091.00	4.80074
496596.00	3737091.00	6.10635	498746.00	3737091.00	0.64361
498796.00	3737091.00	0.61389	498846.00	3737091.00	0.58634
498896.00	3737091.00	0.56075	499696.00	3737091.00	0.29031
496546.00	3737141.00	4.45472	496596.00	3737141.00	5.47601
499696.00	3737141.00	0.28987	499396.00	3737191.00	0.37887
499446.00	3737191.00	0.35874	499496.00	3737191.00	0.34622
499546.00	3737191.00	0.32205	499596.00	3737191.00	0.30937
499646.00	3737191.00	0.29937	499696.00	3737191.00	0.28929
499396.00	3737241.00	0.37790	499446.00	3737241.00	0.35781
499496.00	3737241.00	0.34614	499546.00	3737241.00	0.32120
499596.00	3737241.00	0.30856	499646.00	3737241.00	0.29862
499696.00	3737241.00	0.28857	499396.00	3737291.00	0.37667
499446.00	3737291.00	0.35665	499496.00	3737291.00	0.34507
499546.00	3737291.00	0.32018	499596.00	3737291.00	0.31013
499646.00	3737291.00	0.29772	499696.00	3737291.00	0.28790
499396.00	3737341.00	0.37520	499446.00	3737341.00	0.35727
499496.00	3737341.00	0.34379	499546.00	3737341.00	0.31900
499596.00	3737341.00	0.30910	499646.00	3737341.00	0.29669
499696.00	3737341.00	0.28782	498945.00	3736941.00	0.53700
498995.00	3736943.00	0.51479	498945.00	3736894.00	0.53588
498995.00	3736897.00	0.51380			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
499046.00	3736191.00	0.48310	499096.00	3736191.00	0.45301
499146.00	3736191.00	0.43046	499196.00	3736191.00	0.41480
499246.00	3736191.00	0.39709	499296.00	3736191.00	0.38316
499346.00	3736191.00	0.36905	499396.00	3736191.00	0.35663
499446.00	3736191.00	0.34394	499496.00	3736191.00	0.33285
499546.00	3736191.00	0.32143	499596.00	3736191.00	0.31194
499646.00	3736191.00	0.30197	499696.00	3736191.00	0.29204
499746.00	3736191.00	0.28353	499796.00	3736191.00	0.27449
499846.00	3736191.00	0.26554	499896.00	3736191.00	0.25798
499946.00	3736191.00	0.25079	499996.00	3736191.00	0.24277
500046.00	3736191.00	0.23513	500096.00	3736191.00	0.22901
500146.00	3736191.00	0.22195	500196.00	3736191.00	0.21576
500246.00	3736191.00	0.20984	500296.00	3736191.00	0.20375
500346.00	3736191.00	0.19793	500396.00	3736191.00	0.19240
500446.00	3736191.00	0.18785	500496.00	3736191.00	0.18274
499046.00	3736241.00	0.48906	499096.00	3736241.00	0.45754
499146.00	3736241.00	0.43465	499196.00	3736241.00	0.41835

499246.00	3736241.00	0.40023	499296.00	3736241.00	0.38615
499346.00	3736241.00	0.37177	499396.00	3736241.00	0.35922
499446.00	3736241.00	0.34651	499496.00	3736241.00	0.33508
499546.00	3736241.00	0.32350	499596.00	3736241.00	0.31432
499646.00	3736241.00	0.30383	499696.00	3736241.00	0.29471
499746.00	3736241.00	0.28517	499796.00	3736241.00	0.27667
499846.00	3736241.00	0.26765	499896.00	3736241.00	0.25968
499946.00	3736241.00	0.25199	499996.00	3736241.00	0.24397
500046.00	3736241.00	0.23718	500096.00	3736241.00	0.23008
500146.00	3736241.00	0.22296	500196.00	3736241.00	0.21675
500246.00	3736241.00	0.21081	500296.00	3736241.00	0.20460
500346.00	3736241.00	0.19873	500396.00	3736241.00	0.19374
500446.00	3736241.00	0.18858	500496.00	3736241.00	0.18343
499046.00	3736291.00	0.49492	499096.00	3736291.00	0.46200
499146.00	3736291.00	0.43995	499196.00	3736291.00	0.42186
499246.00	3736291.00	0.40392	499296.00	3736291.00	0.38908
499346.00	3736291.00	0.37525	499396.00	3736291.00	0.36176
499446.00	3736291.00	0.34973	499496.00	3736291.00	0.33730
499546.00	3736291.00	0.32652	499596.00	3736291.00	0.31630
499646.00	3736291.00	0.30567	499696.00	3736291.00	0.29646
499746.00	3736291.00	0.28681	499796.00	3736291.00	0.27850
499846.00	3736291.00	0.26967	499896.00	3736291.00	0.26086
499946.00	3736291.00	0.25349	499996.00	3736291.00	0.24535

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
500046.00	3736291.00	0.23872	500096.00	3736291.00	0.23119
500146.00	3736291.00	0.22456	500196.00	3736291.00	0.21827
500246.00	3736291.00	0.21171	500296.00	3736291.00	0.20544
500346.00	3736291.00	0.19996	500396.00	3736291.00	0.19476
500446.00	3736291.00	0.18930	500496.00	3736291.00	0.18411
499046.00	3736341.00	0.50062	499096.00	3736341.00	0.46638
499146.00	3736341.00	0.44874	499196.00	3736341.00	0.42533
499246.00	3736341.00	0.40987	499296.00	3736341.00	0.39197
499346.00	3736341.00	0.37831	499396.00	3736341.00	0.36445
499446.00	3736341.00	0.35209	499496.00	3736341.00	0.33948
499546.00	3736341.00	0.32859	499596.00	3736341.00	0.31825
499646.00	3736341.00	0.30792	499696.00	3736341.00	0.29818
499746.00	3736341.00	0.28845	499796.00	3736341.00	0.28003
499846.00	3736341.00	0.27103	499896.00	3736341.00	0.26196
499946.00	3736341.00	0.25545	499996.00	3736341.00	0.24686
500046.00	3736341.00	0.23984	500096.00	3736341.00	0.23227
500146.00	3736341.00	0.22622	500196.00	3736341.00	0.21920
500246.00	3736341.00	0.21258	500296.00	3736341.00	0.20674
500346.00	3736341.00	0.20125	500396.00	3736341.00	0.19550
500446.00	3736341.00	0.18999	500496.00	3736341.00	0.18555
499046.00	3736391.00	0.50614	499096.00	3736391.00	0.47286
499146.00	3736391.00	0.45271	499196.00	3736391.00	0.43016
499246.00	3736391.00	0.41304	499296.00	3736391.00	0.39722
499346.00	3736391.00	0.38097	499396.00	3736391.00	0.36790
499446.00	3736391.00	0.35440	499496.00	3736391.00	0.34274
499546.00	3736391.00	0.33061	499596.00	3736391.00	0.32015
499646.00	3736391.00	0.30927	499696.00	3736391.00	0.29920
499746.00	3736391.00	0.28999	499796.00	3736391.00	0.28152
499846.00	3736391.00	0.27246	499896.00	3736391.00	0.26487
499946.00	3736391.00	0.25710	499996.00	3736391.00	0.24877
500046.00	3736391.00	0.24093	500096.00	3736391.00	0.23429
500146.00	3736391.00	0.22718	500196.00	3736391.00	0.22009
500246.00	3736391.00	0.21394	500296.00	3736391.00	0.20813
500346.00	3736391.00	0.20200	500396.00	3736391.00	0.19623
500446.00	3736391.00	0.19153	500496.00	3736391.00	0.18621
499046.00	3736441.00	0.51146	499096.00	3736441.00	0.49151
499146.00	3736441.00	0.45656	499196.00	3736441.00	0.43941
499246.00	3736441.00	0.41613	499296.00	3736441.00	0.40114
499346.00	3736441.00	0.38356	499396.00	3736441.00	0.37033
499446.00	3736441.00	0.35665	499496.00	3736441.00	0.34485

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,

L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
499546.00	3736441.00	0.33257	499596.00	3736441.00	0.32200
499646.00	3736441.00	0.31100	499696.00	3736441.00	0.30149
499746.00	3736441.00	0.29191	499796.00	3736441.00	0.28299
499846.00	3736441.00	0.27389	499896.00	3736441.00	0.26618
499946.00	3736441.00	0.25823	499996.00	3736441.00	0.25003
500046.00	3736441.00	0.24197	500096.00	3736441.00	0.23556
500146.00	3736441.00	0.22810	500196.00	3736441.00	0.22153
500246.00	3736441.00	0.21537	500296.00	3736441.00	0.20889
500346.00	3736441.00	0.20301	500396.00	3736441.00	0.19783
500446.00	3736441.00	0.19219	500496.00	3736441.00	0.18680
499046.00	3736491.00	0.51653	499096.00	3736491.00	0.49617
499146.00	3736491.00	0.46030	499196.00	3736491.00	0.44284
499246.00	3736491.00	0.41910	499296.00	3736491.00	0.40391
499346.00	3736491.00	0.38632	499396.00	3736491.00	0.37267
499446.00	3736491.00	0.35882	499496.00	3736491.00	0.34688
499546.00	3736491.00	0.33446	499596.00	3736491.00	0.32377
499646.00	3736491.00	0.31294	499696.00	3736491.00	0.30304
499746.00	3736491.00	0.29391	499796.00	3736491.00	0.28434
499846.00	3736491.00	0.27616	499896.00	3736491.00	0.26743
499946.00	3736491.00	0.25933	499996.00	3736491.00	0.25104
500196.00	3736491.00	0.22307	500246.00	3736491.00	0.21613
500296.00	3736491.00	0.20990	500346.00	3736491.00	0.20445
500396.00	3736491.00	0.19845	500446.00	3736491.00	0.19277
500496.00	3736491.00	0.18734	499046.00	3736541.00	0.52131
499096.00	3736541.00	0.50057	499146.00	3736541.00	0.46570
499196.00	3736541.00	0.44609	499246.00	3736541.00	0.42194
499296.00	3736541.00	0.40651	499346.00	3736541.00	0.38845
499396.00	3736541.00	0.37489	499446.00	3736541.00	0.36087
499496.00	3736541.00	0.34880	499546.00	3736541.00	0.33708
499596.00	3736541.00	0.32548	499646.00	3736541.00	0.31520
499696.00	3736541.00	0.30518	499746.00	3736541.00	0.29529
499796.00	3736541.00	0.28654	499846.00	3736541.00	0.27735
499896.00	3736541.00	0.26858	499946.00	3736541.00	0.26040
499996.00	3736541.00	0.25209	500196.00	3736541.00	0.22383
500246.00	3736541.00	0.21683	500296.00	3736541.00	0.21140
500346.00	3736541.00	0.20506	500396.00	3736541.00	0.19901
500446.00	3736541.00	0.19329	500496.00	3736541.00	0.18847
496546.00	3736591.00	2.56866	496596.00	3736591.00	2.81813
496646.00	3736591.00	3.09827	496696.00	3736591.00	3.41074
496746.00	3736591.00	3.75721	496796.00	3736591.00	4.13749

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
497196.00	3736591.00	7.31075	497246.00	3736591.00	7.41114
497296.00	3736591.00	7.92124	497346.00	3736591.00	7.75508
497396.00	3736591.00	6.47496	497446.00	3736591.00	5.90261
497496.00	3736591.00	5.28843	497546.00	3736591.00	4.69599
497596.00	3736591.00	4.15590	497646.00	3736591.00	3.68202
497696.00	3736591.00	3.27193	497746.00	3736591.00	2.92166
499296.00	3736591.00	0.40902	499346.00	3736591.00	0.39068
499796.00	3736591.00	0.28772	499846.00	3736591.00	0.27842
499896.00	3736591.00	0.27032	499946.00	3736591.00	0.26183
499996.00	3736591.00	0.25329	500046.00	3736591.00	0.24624
500096.00	3736591.00	0.23825	500146.00	3736591.00	0.23192
496546.00	3736641.00	2.73000	496596.00	3736641.00	3.01923
496646.00	3736641.00	3.34983	496696.00	3736641.00	3.72662
496746.00	3736641.00	4.15415	496796.00	3736641.00	4.63543
497246.00	3736641.00	9.82217	497296.00	3736641.00	9.88581
497346.00	3736641.00	9.44404	497396.00	3736641.00	8.10179
497446.00	3736641.00	6.68227	497496.00	3736641.00	5.85589
497546.00	3736641.00	5.24712	497596.00	3736641.00	4.45294
497646.00	3736641.00	3.90525	497696.00	3736641.00	3.44322
497746.00	3736641.00	3.05691	499296.00	3736641.00	0.41131
499346.00	3736641.00	0.39448	499796.00	3736641.00	0.28877
499846.00	3736641.00	0.28025	499896.00	3736641.00	0.27125
499946.00	3736641.00	0.26304	499996.00	3736641.00	0.25448
500046.00	3736641.00	0.24705	500096.00	3736641.00	0.23900

500146.00	3736641.00	0.23258	496546.00	3736691.00	2.89073
496596.00	3736691.00	3.22326	496646.00	3736691.00	3.61061
496696.00	3736691.00	4.06315	496746.00	3736691.00	4.58917
496796.00	3736691.00	5.20007	497246.00	3736691.00	11.38918
497296.00	3736691.00	12.34187	497346.00	3736691.00	11.21351
497396.00	3736691.00	8.94111	497446.00	3736691.00	7.55064
497496.00	3736691.00	6.46019	497546.00	3736691.00	5.70985
497596.00	3736691.00	4.74933	497646.00	3736691.00	4.12897
497696.00	3736691.00	3.61577	497746.00	3736691.00	3.19086
498796.00	3736691.00	0.67084	498846.00	3736691.00	0.63953
499296.00	3736691.00	0.41336	499346.00	3736691.00	0.39837
499796.00	3736691.00	0.28973	499846.00	3736691.00	0.28111
499896.00	3736691.00	0.27206	499946.00	3736691.00	0.26413
499996.00	3736691.00	0.25564	500046.00	3736691.00	0.24777
500096.00	3736691.00	0.24031	500146.00	3736691.00	0.23315
496546.00	3736741.00	3.04570	496596.00	3736741.00	3.42317

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
496646.00	3736741.00	3.87233	496696.00	3736741.00	4.40852
496746.00	3736741.00	5.05256	496796.00	3736741.00	5.82353
497246.00	3736741.00	14.82703	497296.00	3736741.00	13.69186
497346.00	3736741.00	12.59373	497396.00	3736741.00	10.15927
497446.00	3736741.00	8.49375	497496.00	3736741.00	7.07969
497546.00	3736741.00	5.95061	497596.00	3736741.00	5.04500
497646.00	3736741.00	4.35104	497696.00	3736741.00	3.78577
497746.00	3736741.00	3.32349	498796.00	3736741.00	0.67624
498846.00	3736741.00	0.64440	499296.00	3736741.00	0.42291
499346.00	3736741.00	0.40152	500096.00	3736741.00	0.24077
500146.00	3736741.00	0.23362	496546.00	3736791.00	3.18996
496596.00	3736791.00	3.61228	496646.00	3736791.00	4.12406
496696.00	3736791.00	4.75056	496746.00	3736791.00	5.52490
496796.00	3736791.00	6.48649	497196.00	3736791.00	20.99700
497246.00	3736791.00	20.09432	497296.00	3736791.00	17.64735
497346.00	3736791.00	14.58593	497396.00	3736791.00	11.75643
497446.00	3736791.00	9.47431	497496.00	3736791.00	7.70866
497546.00	3736791.00	6.37238	497596.00	3736791.00	5.13287
497646.00	3736791.00	4.55798	497696.00	3736791.00	3.94858
497746.00	3736791.00	3.45042	498496.00	3736791.00	0.94353
498546.00	3736791.00	0.88940	498796.00	3736791.00	0.68091
498846.00	3736791.00	0.64861	499296.00	3736791.00	0.42452
499346.00	3736791.00	0.40897	499596.00	3736791.00	0.33397
499646.00	3736791.00	0.32319	499696.00	3736791.00	0.31198
500096.00	3736791.00	0.24045	500146.00	3736791.00	0.23347
500196.00	3736791.00	0.22631	500246.00	3736791.00	0.21910
500296.00	3736791.00	0.21227	500346.00	3736791.00	0.20657
500396.00	3736791.00	0.20071	500446.00	3736791.00	0.19480
500496.00	3736791.00	0.19009	496546.00	3736841.00	3.31777
496596.00	3736841.00	3.78228	496646.00	3736841.00	4.35555
496696.00	3736841.00	5.07206	496746.00	3736841.00	5.98173
496796.00	3736841.00	7.15434	497196.00	3736841.00	31.59039
497246.00	3736841.00	28.56594	497296.00	3736841.00	23.05947
497346.00	3736841.00	17.64350	497396.00	3736841.00	13.45707
497446.00	3736841.00	10.44724	497496.00	3736841.00	8.31472
497546.00	3736841.00	6.77551	497596.00	3736841.00	5.63571
497646.00	3736841.00	4.77087	497696.00	3736841.00	4.10271
497746.00	3736841.00	3.56802	498496.00	3736841.00	0.95138
498546.00	3736841.00	0.89631	498796.00	3736841.00	0.68478
498846.00	3736841.00	0.65211	499296.00	3736841.00	0.42912

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

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

499346.00	3736841.00	0.41016	499596.00	3736841.00	0.33469
499646.00	3736841.00	0.32382	499696.00	3736841.00	0.31258
500096.00	3736841.00	0.24068	500146.00	3736841.00	0.23269
500196.00	3736841.00	0.22537	500246.00	3736841.00	0.21922
500296.00	3736841.00	0.21241	500346.00	3736841.00	0.20591
500396.00	3736841.00	0.20080	500446.00	3736841.00	0.19487
500496.00	3736841.00	0.19015	496546.00	3736891.00	3.42252
496596.00	3736891.00	3.92354	496646.00	3736891.00	4.55040
496696.00	3736891.00	5.34933	496746.00	3736891.00	6.38855
496796.00	3736891.00	7.77263	497096.00	3736891.00	41.63588
497146.00	3736891.00	52.46873	497196.00	3736891.00	53.56662
497246.00	3736891.00	42.79932	497296.00	3736891.00	30.12604
497346.00	3736891.00	20.95382	497396.00	3736891.00	15.12463
497446.00	3736891.00	11.36684	497496.00	3736891.00	8.88159
497546.00	3736891.00	7.14728	497596.00	3736891.00	5.89226
497646.00	3736891.00	4.95543	497696.00	3736891.00	4.23485
497746.00	3736891.00	3.66911	498496.00	3736891.00	0.95758
498546.00	3736891.00	0.90180	498746.00	3736891.00	0.72359
498796.00	3736891.00	0.68781	498846.00	3736891.00	0.65486
499296.00	3736891.00	0.44414	499346.00	3736891.00	0.41105
499596.00	3736891.00	0.33519	499646.00	3736891.00	0.32376
499696.00	3736891.00	0.31300	499746.00	3736891.00	0.30228
499796.00	3736891.00	0.29301	499846.00	3736891.00	0.28326
499896.00	3736891.00	0.27548	499946.00	3736891.00	0.26463
499996.00	3736891.00	0.25653	500046.00	3736891.00	0.24847
500096.00	3736891.00	0.24084	500146.00	3736891.00	0.23281
500196.00	3736891.00	0.22517	500246.00	3736891.00	0.21826
500296.00	3736891.00	0.21245	500346.00	3736891.00	0.20589
500396.00	3736891.00	0.20081	500446.00	3736891.00	0.19485
500496.00	3736891.00	0.18962	496546.00	3736941.00	3.49780
496596.00	3736941.00	4.02850	496646.00	3736941.00	4.69793
496696.00	3736941.00	5.56252	496746.00	3736941.00	6.70603
496796.00	3736941.00	8.27199	497096.00	3736941.00	76.85512
497146.00	3736941.00	120.94311	497196.00	3736941.00	112.91350
497246.00	3736941.00	66.44562	497296.00	3736941.00	38.23475
497346.00	3736941.00	24.11804	497396.00	3736941.00	16.60642
497446.00	3736941.00	12.17368	497496.00	3736941.00	9.36036
497546.00	3736941.00	7.45716	497596.00	3736941.00	6.10171
497646.00	3736941.00	5.10233	497696.00	3736941.00	4.34113
497746.00	3736941.00	3.74768	498746.00	3736941.00	0.72597

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
498796.00	3736941.00	0.68994	498846.00	3736941.00	0.65677
499596.00	3736941.00	0.33548	499646.00	3736941.00	0.32402
499696.00	3736941.00	0.31324	499746.00	3736941.00	0.30248
499796.00	3736941.00	0.29320	499846.00	3736941.00	0.28348
499896.00	3736941.00	0.27557	499946.00	3736941.00	0.26488
499996.00	3736941.00	0.25656	500046.00	3736941.00	0.24780
500096.00	3736941.00	0.24000	500146.00	3736941.00	0.23282
500196.00	3736941.00	0.22515	500246.00	3736941.00	0.21795
500296.00	3736941.00	0.21240	500346.00	3736941.00	0.20581
500396.00	3736941.00	0.20073	500446.00	3736941.00	0.19476
500496.00	3736941.00	0.18979	496546.00	3736991.00	3.54054
496596.00	3736991.00	4.08849	498696.00	3736991.00	0.76658
498746.00	3736991.00	0.72731	498796.00	3736991.00	0.69114
498846.00	3736991.00	0.65784	498896.00	3736991.00	0.62703
499696.00	3736991.00	0.31328	496546.00	3737041.00	3.45221
496596.00	3737041.00	4.09923	498696.00	3737041.00	0.76688
498746.00	3737041.00	0.72758	498796.00	3737041.00	0.69137
498846.00	3737041.00	0.65806	498896.00	3737041.00	0.62725
499696.00	3737041.00	0.31314	496546.00	3737091.00	3.30815
496596.00	3737091.00	4.05588	498746.00	3737091.00	0.72676
498796.00	3737091.00	0.69066	498846.00	3737091.00	0.65740
498896.00	3737091.00	0.62668	499696.00	3737091.00	0.31281
496546.00	3737141.00	3.09983	496596.00	3737141.00	3.68284
499696.00	3737141.00	0.31230	499396.00	3737191.00	0.41173
499446.00	3737191.00	0.38104	499496.00	3737191.00	0.36583
499546.00	3737191.00	0.34862	499596.00	3737191.00	0.33428
499646.00	3737191.00	0.32297	499696.00	3737191.00	0.31163
499396.00	3737241.00	0.41056	499446.00	3737241.00	0.37990
499496.00	3737241.00	0.36687	499546.00	3737241.00	0.34762
499596.00	3737241.00	0.33333	499646.00	3737241.00	0.32209
499696.00	3737241.00	0.31080	499396.00	3737291.00	0.40908

499446.00	3737291.00	0.37852	499496.00	3737291.00	0.36559
499546.00	3737291.00	0.34642	499596.00	3737291.00	0.33501
499646.00	3737291.00	0.32104	499696.00	3737291.00	0.31000
499396.00	3737341.00	0.40730	499446.00	3737341.00	0.38162
499496.00	3737341.00	0.36408	499546.00	3737341.00	0.34503
499596.00	3737341.00	0.33379	499646.00	3737341.00	0.31983
499696.00	3737341.00	0.30982	498945.00	3736941.00	0.59821
498995.00	3736943.00	0.57181	498945.00	3736894.00	0.59677
498995.00	3736897.00	0.57056			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
499046.00	3736191.00	0.54370	499096.00	3736191.00	0.52175
499146.00	3736191.00	0.49274	499196.00	3736191.00	0.47388
499246.00	3736191.00	0.44790	499296.00	3736191.00	0.43125
499346.00	3736191.00	0.41215	499396.00	3736191.00	0.39741
499446.00	3736191.00	0.38188	499496.00	3736191.00	0.36880
499546.00	3736191.00	0.35545	499596.00	3736191.00	0.34430
499646.00	3736191.00	0.33268	499696.00	3736191.00	0.32118
499746.00	3736191.00	0.31128	499796.00	3736191.00	0.30099
499846.00	3736191.00	0.29110	499896.00	3736191.00	0.28243
499946.00	3736191.00	0.27419	499996.00	3736191.00	0.26531
500046.00	3736191.00	0.25669	500096.00	3736191.00	0.24967
500146.00	3736191.00	0.24164	500196.00	3736191.00	0.23456
500246.00	3736191.00	0.22781	500296.00	3736191.00	0.22087
500346.00	3736191.00	0.21425	500396.00	3736191.00	0.20798
500446.00	3736191.00	0.20283	500496.00	3736191.00	0.19706
499046.00	3736241.00	0.55131	499096.00	3736241.00	0.52871
499146.00	3736241.00	0.49869	499196.00	3736241.00	0.47907
499246.00	3736241.00	0.45207	499296.00	3736241.00	0.43517
499346.00	3736241.00	0.41556	499396.00	3736241.00	0.40063
499446.00	3736241.00	0.38500	499496.00	3736241.00	0.37153
499546.00	3736241.00	0.35796	499596.00	3736241.00	0.34714
499646.00	3736241.00	0.33492	499696.00	3736241.00	0.32428
499746.00	3736241.00	0.31324	499796.00	3736241.00	0.30341
499846.00	3736241.00	0.29333	499896.00	3736241.00	0.28432
499946.00	3736241.00	0.27565	499996.00	3736241.00	0.26674
500046.00	3736241.00	0.25898	500096.00	3736241.00	0.25093
500146.00	3736241.00	0.24281	500196.00	3736241.00	0.23572
500246.00	3736241.00	0.22894	500296.00	3736241.00	0.22186
500346.00	3736241.00	0.21517	500396.00	3736241.00	0.20951
500446.00	3736241.00	0.20367	500496.00	3736241.00	0.19785
499046.00	3736291.00	0.55881	499096.00	3736291.00	0.53556
499146.00	3736291.00	0.50594	499196.00	3736291.00	0.48417
499246.00	3736291.00	0.45742	499296.00	3736291.00	0.43902
499346.00	3736291.00	0.42149	499396.00	3736291.00	0.40379
499446.00	3736291.00	0.38952	499496.00	3736291.00	0.37423
499546.00	3736291.00	0.36154	499596.00	3736291.00	0.34953
499646.00	3736291.00	0.33713	499696.00	3736291.00	0.32638
499746.00	3736291.00	0.31519	499796.00	3736291.00	0.30555
499846.00	3736291.00	0.29549	499896.00	3736291.00	0.28580
499946.00	3736291.00	0.27735	499996.00	3736291.00	0.26833

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
500046.00	3736291.00	0.26072	500096.00	3736291.00	0.25224
500146.00	3736291.00	0.24467	500196.00	3736291.00	0.23748
500246.00	3736291.00	0.22998	500296.00	3736291.00	0.22283
500346.00	3736291.00	0.21659	500396.00	3736291.00	0.21070
500446.00	3736291.00	0.20450	500496.00	3736291.00	0.19863
499046.00	3736341.00	0.56615	499096.00	3736341.00	0.54225

499146.00	3736341.00	0.52061	499196.00	3736341.00	0.48917
499246.00	3736341.00	0.47033	499296.00	3736341.00	0.44281
499346.00	3736341.00	0.42639	499396.00	3736341.00	0.40784
499446.00	3736341.00	0.39244	499496.00	3736341.00	0.37689
499546.00	3736341.00	0.36404	499596.00	3736341.00	0.35189
499646.00	3736341.00	0.33981	499696.00	3736341.00	0.32844
499746.00	3736341.00	0.31714	499796.00	3736341.00	0.30736
499846.00	3736341.00	0.29713	499896.00	3736341.00	0.28720
499946.00	3736341.00	0.27940	499996.00	3736341.00	0.27004
500046.00	3736341.00	0.26205	500096.00	3736341.00	0.25352
500146.00	3736341.00	0.24658	500196.00	3736341.00	0.23858
500246.00	3736341.00	0.23101	500296.00	3736341.00	0.22434
500346.00	3736341.00	0.21809	500396.00	3736341.00	0.21155
500446.00	3736341.00	0.20530	500496.00	3736341.00	0.20029
499046.00	3736391.00	0.57330	499096.00	3736391.00	0.54878
499146.00	3736391.00	0.52659	499196.00	3736391.00	0.49502
499246.00	3736391.00	0.47484	499296.00	3736391.00	0.45394
499346.00	3736391.00	0.42984	499396.00	3736391.00	0.41415
499446.00	3736391.00	0.39530	499496.00	3736391.00	0.38146
499546.00	3736391.00	0.36650	499596.00	3736391.00	0.35419
499646.00	3736391.00	0.34146	499696.00	3736391.00	0.32971
499746.00	3736391.00	0.31899	499796.00	3736391.00	0.30914
499846.00	3736391.00	0.29882	499896.00	3736391.00	0.29000
499946.00	3736391.00	0.28118	499996.00	3736391.00	0.27207
500046.00	3736391.00	0.26335	500096.00	3736391.00	0.25577
500146.00	3736391.00	0.24773	500196.00	3736391.00	0.23964
500246.00	3736391.00	0.23261	500296.00	3736391.00	0.22598
500346.00	3736391.00	0.21897	500396.00	3736391.00	0.21241
500446.00	3736391.00	0.20709	500496.00	3736391.00	0.20106
499046.00	3736441.00	0.58020	499096.00	3736441.00	0.55593
499146.00	3736441.00	0.53235	499196.00	3736441.00	0.51111
499246.00	3736441.00	0.47919	499296.00	3736441.00	0.46083
499346.00	3736441.00	0.43320	499396.00	3736441.00	0.41728
499446.00	3736441.00	0.39809	499496.00	3736441.00	0.38407

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
499546.00	3736441.00	0.36889	499596.00	3736441.00	0.35644
499646.00	3736441.00	0.34355	499696.00	3736441.00	0.33241
499746.00	3736441.00	0.32125	499796.00	3736441.00	0.31089
499846.00	3736441.00	0.30049	499896.00	3736441.00	0.29154
499946.00	3736441.00	0.28255	499996.00	3736441.00	0.27353
500046.00	3736441.00	0.26460	500096.00	3736441.00	0.25722
500146.00	3736441.00	0.24883	500196.00	3736441.00	0.24132
500246.00	3736441.00	0.23429	500296.00	3736441.00	0.22688
500346.00	3736441.00	0.22017	500396.00	3736441.00	0.21427
500446.00	3736441.00	0.20786	500496.00	3736441.00	0.20175
499046.00	3736491.00	0.58681	499096.00	3736491.00	0.56197
499146.00	3736491.00	0.53785	499196.00	3736491.00	0.51616
499246.00	3736491.00	0.48336	499296.00	3736491.00	0.46468
499346.00	3736491.00	0.43669	499396.00	3736491.00	0.42028
499446.00	3736491.00	0.40078	499496.00	3736491.00	0.38658
499546.00	3736491.00	0.37119	499596.00	3736491.00	0.35859
499646.00	3736491.00	0.34588	499696.00	3736491.00	0.33429
499746.00	3736491.00	0.32362	499796.00	3736491.00	0.31250
499846.00	3736491.00	0.30300	499896.00	3736491.00	0.29303
499946.00	3736491.00	0.28388	499996.00	3736491.00	0.27476
500196.00	3736491.00	0.24311	500246.00	3736491.00	0.23520
500296.00	3736491.00	0.22807	500346.00	3736491.00	0.22186
500396.00	3736491.00	0.21501	500446.00	3736491.00	0.20855
500496.00	3736491.00	0.20239	499046.00	3736541.00	0.59307
499096.00	3736541.00	0.56769	499146.00	3736541.00	0.54306
499196.00	3736541.00	0.52092	499246.00	3736541.00	0.48732
499296.00	3736541.00	0.46831	499346.00	3736541.00	0.43952
499396.00	3736541.00	0.42314	499446.00	3736541.00	0.40334
499496.00	3736541.00	0.38897	499546.00	3736541.00	0.37507
499596.00	3736541.00	0.36068	499646.00	3736541.00	0.34858
499696.00	3736541.00	0.33683	499746.00	3736541.00	0.32528
499796.00	3736541.00	0.31509	499846.00	3736541.00	0.30443
499896.00	3736541.00	0.29439	499946.00	3736541.00	0.28516
499996.00	3736541.00	0.27600	500196.00	3736541.00	0.24403
500246.00	3736541.00	0.23604	500296.00	3736541.00	0.22984
500346.00	3736541.00	0.22259	500396.00	3736541.00	0.21569
500446.00	3736541.00	0.20918	500496.00	3736541.00	0.20371
496546.00	3736591.00	1.99204	496596.00	3736591.00	2.16974

496646.00	3736591.00	2.37017	496696.00	3736591.00	2.59589
496746.00	3736591.00	2.85009	496796.00	3736591.00	3.13562

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
497196.00	3736591.00	6.44528	497246.00	3736591.00	6.85419
497296.00	3736591.00	7.21792	497346.00	3736591.00	7.66741
497396.00	3736591.00	7.50071	497446.00	3736591.00	7.38059
497496.00	3736591.00	7.03985	497546.00	3736591.00	6.53349
497596.00	3736591.00	5.92916	497646.00	3736591.00	5.29921
497696.00	3736591.00	4.69679	497746.00	3736591.00	4.15085
499296.00	3736591.00	0.47174	499346.00	3736591.00	0.44242
499796.00	3736591.00	0.31650	499846.00	3736591.00	0.30572
499896.00	3736591.00	0.29633	499946.00	3736591.00	0.28668
499996.00	3736591.00	0.27733	500046.00	3736591.00	0.26925
500096.00	3736591.00	0.26045	500146.00	3736591.00	0.25318
496546.00	3736641.00	2.07984	496596.00	3736641.00	2.27705
496646.00	3736641.00	2.50212	496696.00	3736641.00	2.75943
496746.00	3736641.00	3.05411	496796.00	3736641.00	3.39162
497246.00	3736641.00	8.37771	497296.00	3736641.00	9.12220
497346.00	3736641.00	9.90548	497396.00	3736641.00	9.22724
497446.00	3736641.00	8.94307	497496.00	3736641.00	8.35662
497546.00	3736641.00	7.56309	497596.00	3736641.00	6.70108
497646.00	3736641.00	5.86147	497696.00	3736641.00	5.10218
497746.00	3736641.00	4.44743	499296.00	3736641.00	0.47488
499346.00	3736641.00	0.45285	499796.00	3736641.00	0.31778
499846.00	3736641.00	0.30786	499896.00	3736641.00	0.29744
499946.00	3736641.00	0.28802	499996.00	3736641.00	0.27861
500046.00	3736641.00	0.27022	500096.00	3736641.00	0.26136
500146.00	3736641.00	0.25399	496546.00	3736691.00	2.16403
496596.00	3736691.00	2.38107	496646.00	3736691.00	2.63160
496696.00	3736691.00	2.92264	496746.00	3736691.00	3.26102
496796.00	3736691.00	3.65701	497246.00	3736691.00	10.50516
497296.00	3736691.00	11.76339	497346.00	3736691.00	12.58690
497396.00	3736691.00	11.59136	497446.00	3736691.00	11.04144
497496.00	3736691.00	10.02219	497546.00	3736691.00	9.82609
497596.00	3736691.00	7.54930	497646.00	3736691.00	6.45429
497696.00	3736691.00	5.51881	497746.00	3736691.00	4.74501
498796.00	3736691.00	0.77932	498846.00	3736691.00	0.73963
499296.00	3736691.00	0.47772	499346.00	3736691.00	0.45915
499796.00	3736691.00	0.31895	499846.00	3736691.00	0.30891
499896.00	3736691.00	0.29843	499946.00	3736691.00	0.28927
499996.00	3736691.00	0.27981	500046.00	3736691.00	0.27108
500096.00	3736691.00	0.26274	500146.00	3736691.00	0.25470
496546.00	3736741.00	2.24224	496596.00	3736741.00	2.47850

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
496646.00	3736741.00	2.75471	496696.00	3736741.00	3.07930
496746.00	3736741.00	3.46441	496796.00	3736741.00	3.92283
497246.00	3736741.00	13.67526	497296.00	3736741.00	14.82934
497346.00	3736741.00	15.40613	497396.00	3736741.00	15.10844
497446.00	3736741.00	13.91104	497496.00	3736741.00	12.10442
497546.00	3736741.00	10.19638	497596.00	3736741.00	8.46552
497646.00	3736741.00	7.06357	497696.00	3736741.00	5.93706
497746.00	3736741.00	5.04228	498796.00	3736741.00	0.78668
498846.00	3736741.00	0.74622	499296.00	3736741.00	0.49372
499346.00	3736741.00	0.46250	500096.00	3736741.00	0.26334
500146.00	3736741.00	0.25529	496546.00	3736791.00	2.31252
496596.00	3736791.00	2.56686	496646.00	3736791.00	2.86707
496696.00	3736791.00	3.22484	496746.00	3736791.00	3.65560

496796.00	3736791.00	4.17832	497196.00	3736791.00	16.11361
497246.00	3736791.00	18.68107	497296.00	3736791.00	20.77476
497346.00	3736791.00	21.55977	497396.00	3736791.00	20.49613
497446.00	3736791.00	17.85384	497496.00	3736791.00	14.65921
497546.00	3736791.00	11.75722	497596.00	3736791.00	9.57351
497646.00	3736791.00	7.65035	497696.00	3736791.00	6.34501
497746.00	3736791.00	5.33192	498496.00	3736791.00	1.13880
498546.00	3736791.00	1.06596	498796.00	3736791.00	0.79306
498846.00	3736791.00	0.75191	499296.00	3736791.00	0.49603
499346.00	3736791.00	0.47655	499596.00	3736791.00	0.37461
499646.00	3736791.00	0.36176	499696.00	3736791.00	0.34575
500096.00	3736791.00	0.26321	500146.00	3736791.00	0.25526
500196.00	3736791.00	0.24714	500246.00	3736791.00	0.23889
500296.00	3736791.00	0.23106	500346.00	3736791.00	0.22454
500396.00	3736791.00	0.21783	500446.00	3736791.00	0.21110
500496.00	3736791.00	0.20575	496546.00	3736841.00	2.37275
496596.00	3736841.00	2.64317	496646.00	3736841.00	2.96559
496696.00	3736841.00	3.35368	496746.00	3736841.00	3.82684
496796.00	3736841.00	4.41138	497196.00	3736841.00	22.16059
497246.00	3736841.00	27.29704	497296.00	3736841.00	31.67497
497346.00	3736841.00	32.66177	497396.00	3736841.00	29.14529
497446.00	3736841.00	23.20988	497496.00	3736841.00	17.62945
497546.00	3736841.00	13.38778	497596.00	3736841.00	10.37747
497646.00	3736841.00	8.25590	497696.00	3736841.00	6.73975
497746.00	3736841.00	5.60815	498496.00	3736841.00	1.15037
498546.00	3736841.00	1.07600	498796.00	3736841.00	0.79836
498846.00	3736841.00	0.75665	499296.00	3736841.00	0.49842

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
499346.00	3736841.00	0.47828	499596.00	3736841.00	0.37555
499646.00	3736841.00	0.36258	499696.00	3736841.00	0.34652
500096.00	3736841.00	0.26353	500146.00	3736841.00	0.25453
500196.00	3736841.00	0.24614	500246.00	3736841.00	0.23908
500296.00	3736841.00	0.23126	500346.00	3736841.00	0.22380
500396.00	3736841.00	0.21798	500446.00	3736841.00	0.21121
500496.00	3736841.00	0.20585	496546.00	3736891.00	2.42048
496596.00	3736891.00	2.70415	496646.00	3736891.00	3.04462
496696.00	3736891.00	3.45853	496746.00	3736891.00	3.96873
496796.00	3736891.00	4.60785	497096.00	3736891.00	16.73936
497146.00	3736891.00	22.83863	497196.00	3736891.00	31.91702
497246.00	3736891.00	44.21953	497296.00	3736891.00	55.76471
497346.00	3736891.00	55.85087	497396.00	3736891.00	43.45686
497446.00	3736891.00	30.06712	497496.00	3736891.00	20.80901
497546.00	3736891.00	14.97870	497596.00	3736891.00	11.26587
497646.00	3736891.00	8.80451	497696.00	3736891.00	7.09203
497746.00	3736891.00	5.85521	498496.00	3736891.00	1.15949
498546.00	3736891.00	1.08395	498746.00	3736891.00	0.84860
498796.00	3736891.00	0.80249	498846.00	3736891.00	0.76036
499296.00	3736891.00	0.50037	499346.00	3736891.00	0.47962
499596.00	3736891.00	0.37623	499646.00	3736891.00	0.36082
499696.00	3736891.00	0.34705	499746.00	3736891.00	0.33377
499796.00	3736891.00	0.32292	499846.00	3736891.00	0.31155
499896.00	3736891.00	0.30249	499946.00	3736891.00	0.29044
499996.00	3736891.00	0.28132	500046.00	3736891.00	0.27234
500096.00	3736891.00	0.26376	500146.00	3736891.00	0.25472
500196.00	3736891.00	0.24596	500246.00	3736891.00	0.23801
500296.00	3736891.00	0.23134	500346.00	3736891.00	0.22381
500396.00	3736891.00	0.21802	500446.00	3736891.00	0.21122
500496.00	3736891.00	0.20527	496546.00	3736941.00	2.45352
496596.00	3736941.00	2.74773	496646.00	3736941.00	3.10188
496696.00	3736941.00	3.53494	496746.00	3736941.00	4.07210
496796.00	3736941.00	4.75326	497096.00	3736941.00	19.67633
497146.00	3736941.00	29.15390	497196.00	3736941.00	47.15691
497246.00	3736941.00	84.18762	497296.00	3736941.00	133.97207
497346.00	3736941.00	118.83158	497396.00	3736941.00	66.38775
497446.00	3736941.00	37.69317	497496.00	3736941.00	23.77615
497546.00	3736941.00	16.38058	497596.00	3736941.00	12.02936
497646.00	3736941.00	9.26412	497696.00	3736941.00	7.38810
497746.00	3736941.00	6.05476	498746.00	3736941.00	0.85186

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
498796.00	3736941.00	0.80537	498846.00	3736941.00	0.76293
499596.00	3736941.00	0.37663	499646.00	3736941.00	0.36117
499696.00	3736941.00	0.34736	499746.00	3736941.00	0.33404
499796.00	3736941.00	0.32316	499846.00	3736941.00	0.31183
499896.00	3736941.00	0.30262	499946.00	3736941.00	0.29070
499996.00	3736941.00	0.28142	500046.00	3736941.00	0.27182
500096.00	3736941.00	0.26298	500146.00	3736941.00	0.25477
500196.00	3736941.00	0.24598	500246.00	3736941.00	0.23769
500296.00	3736941.00	0.23132	500346.00	3736941.00	0.22376
500396.00	3736941.00	0.21797	500446.00	3736941.00	0.21115
500496.00	3736941.00	0.20550	496546.00	3736991.00	2.47123
496596.00	3736991.00	2.77116	498696.00	3736991.00	0.90480
498746.00	3736991.00	0.85365	498796.00	3736991.00	0.80695
498846.00	3736991.00	0.76433	498896.00	3736991.00	0.72518
499696.00	3736991.00	0.34743	496546.00	3737041.00	2.47293
496596.00	3737041.00	2.77337	498696.00	3737041.00	0.90510
498746.00	3737041.00	0.85391	498796.00	3737041.00	0.80718
498846.00	3737041.00	0.76453	498896.00	3737041.00	0.72539
499696.00	3737041.00	0.34727	496546.00	3737091.00	2.37443
496596.00	3737091.00	2.75423	498746.00	3737091.00	0.85262
498796.00	3737091.00	0.80607	498846.00	3737091.00	0.76352
498896.00	3737091.00	0.72451	499696.00	3737091.00	0.34689
496546.00	3737141.00	2.19790	496596.00	3737141.00	2.52783
499696.00	3737141.00	0.34628	499396.00	3737191.00	0.46113
499446.00	3737191.00	0.44287	499496.00	3737191.00	0.42614
499546.00	3737191.00	0.39917	499596.00	3737191.00	0.37596
499646.00	3737191.00	0.36178	499696.00	3737191.00	0.34547
499396.00	3737241.00	0.45960	499446.00	3737241.00	0.44145
499496.00	3737241.00	0.42527	499546.00	3737241.00	0.39794
499596.00	3737241.00	0.37480	499646.00	3737241.00	0.36070
499696.00	3737241.00	0.34445	499396.00	3737291.00	0.45768
499446.00	3737291.00	0.43969	499496.00	3737291.00	0.42365
499546.00	3737291.00	0.39643	499596.00	3737291.00	0.38179
499646.00	3737291.00	0.35940	499696.00	3737291.00	0.34418
499396.00	3737341.00	0.45539	499446.00	3737341.00	0.43805
499496.00	3737341.00	0.42171	499546.00	3737341.00	0.39466
499596.00	3737341.00	0.38097	499646.00	3737341.00	0.35789
499696.00	3737341.00	0.34600	498945.00	3736941.00	0.68880
498995.00	3736943.00	0.65572	498945.00	3736894.00	0.68690
498995.00	3736897.00	0.65409			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
499046.00	3736191.00	1.97769	499096.00	3736191.00	2.04271
499146.00	3736191.00	2.11427	499196.00	3736191.00	2.19481
499246.00	3736191.00	2.28147	499296.00	3736191.00	2.37505
499346.00	3736191.00	2.47172	499396.00	3736191.00	2.56790
499446.00	3736191.00	2.65583	499496.00	3736191.00	2.72954
499546.00	3736191.00	2.78021	499596.00	3736191.00	2.80502
499646.00	3736191.00	2.80203	499696.00	3736191.00	2.77251
499746.00	3736191.00	2.72568	499796.00	3736191.00	2.65931
499846.00	3736191.00	2.58161	499896.00	3736191.00	2.49372
499946.00	3736191.00	2.39549	499996.00	3736191.00	2.28616
500046.00	3736191.00	2.16740	500096.00	3736191.00	2.04090
500146.00	3736191.00	1.90487	500196.00	3736191.00	1.76288
500246.00	3736191.00	1.61846	500296.00	3736191.00	1.47457
500346.00	3736191.00	1.33713	500396.00	3736191.00	1.21081
500446.00	3736191.00	1.09931	500496.00	3736191.00	1.00063
499046.00	3736241.00	2.13843	499096.00	3736241.00	2.22008
499146.00	3736241.00	2.31262	499196.00	3736241.00	2.41918
499246.00	3736241.00	2.53710	499296.00	3736241.00	2.66695
499346.00	3736241.00	2.80370	499396.00	3736241.00	2.94102
499446.00	3736241.00	3.06661	499496.00	3736241.00	3.16802

499546.00	3736241.00	3.23373	499596.00	3736241.00	3.26102
499646.00	3736241.00	3.25142	499696.00	3736241.00	3.21279
499746.00	3736241.00	3.14926	499796.00	3736241.00	3.07055
499846.00	3736241.00	2.97497	499896.00	3736241.00	2.86913
499946.00	3736241.00	2.75125	499996.00	3736241.00	2.61922
500046.00	3736241.00	2.47487	500096.00	3736241.00	2.31599
500146.00	3736241.00	2.14418	500196.00	3736241.00	1.96297
500246.00	3736241.00	1.77840	500296.00	3736241.00	1.59656
500346.00	3736241.00	1.42700	500396.00	3736241.00	1.27722
500446.00	3736241.00	1.14726	500496.00	3736241.00	1.03648
499046.00	3736291.00	2.31779	499096.00	3736291.00	2.42044
499146.00	3736291.00	2.54109	499196.00	3736291.00	2.68378
499246.00	3736291.00	2.84771	499296.00	3736291.00	3.03336
499346.00	3736291.00	3.23417	499396.00	3736291.00	3.43762
499446.00	3736291.00	3.62261	499496.00	3736291.00	3.76300
499546.00	3736291.00	3.84534	499596.00	3736291.00	3.86936
499646.00	3736291.00	3.84651	499696.00	3736291.00	3.79057
499746.00	3736291.00	3.70894	499796.00	3736291.00	3.61282
499846.00	3736291.00	3.49860	499896.00	3736291.00	3.37210
499946.00	3736291.00	3.23093	499996.00	3736291.00	3.06995

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
500046.00	3736291.00	2.88972	500096.00	3736291.00	2.68613
500146.00	3736291.00	2.46162	500196.00	3736291.00	2.22155
500246.00	3736291.00	1.97439	500296.00	3736291.00	1.73734
500346.00	3736291.00	1.52499	500396.00	3736291.00	1.34520
500446.00	3736291.00	1.19516	500496.00	3736291.00	1.07168
499046.00	3736341.00	2.51747	499096.00	3736341.00	2.64606
499146.00	3736341.00	2.80439	499196.00	3736341.00	2.99733
499246.00	3736341.00	3.23196	499296.00	3736341.00	3.50706
499346.00	3736341.00	3.81689	499396.00	3736341.00	4.13655
499446.00	3736341.00	4.41943	499496.00	3736341.00	4.61492
499546.00	3736341.00	4.70851	499596.00	3736341.00	4.71763
499646.00	3736341.00	4.67091	499696.00	3736341.00	4.59018
499746.00	3736341.00	4.48583	499796.00	3736341.00	4.36866
499846.00	3736341.00	4.23326	499896.00	3736341.00	4.08347
499946.00	3736341.00	3.91434	499996.00	3736341.00	3.71649
500046.00	3736341.00	3.48598	500096.00	3736341.00	3.21579
500146.00	3736341.00	2.90785	500196.00	3736341.00	2.56740
500246.00	3736341.00	2.21977	500296.00	3736341.00	1.89938
500346.00	3736341.00	1.62980	500396.00	3736341.00	1.41280
500446.00	3736341.00	1.24173	500496.00	3736341.00	1.10771
499046.00	3736391.00	2.73892	499096.00	3736391.00	2.89834
499146.00	3736391.00	3.10359	499196.00	3736391.00	3.36822
499246.00	3736391.00	3.71068	499296.00	3736391.00	4.14228
499346.00	3736391.00	4.65808	499396.00	3736391.00	5.20684
499446.00	3736391.00	5.66645	499496.00	3736391.00	5.93069
499546.00	3736391.00	6.01247	499596.00	3736391.00	5.98269
499646.00	3736391.00	5.89588	499696.00	3736391.00	5.77886
499746.00	3736391.00	5.64844	499796.00	3736391.00	5.50631
499846.00	3736391.00	5.34654	499896.00	3736391.00	5.17139
499946.00	3736391.00	4.96825	499996.00	3736391.00	4.72341
500046.00	3736391.00	4.42142	500096.00	3736391.00	4.04708
500146.00	3736391.00	3.58863	500196.00	3736391.00	3.06265
500246.00	3736391.00	2.53310	500296.00	3736391.00	2.08114
500346.00	3736391.00	1.73415	500396.00	3736391.00	1.47764
500446.00	3736391.00	1.28779	500496.00	3736391.00	1.13934
499046.00	3736441.00	2.98357	499096.00	3736441.00	3.17729
499146.00	3736441.00	3.43944	499196.00	3736441.00	3.80074
499246.00	3736441.00	4.30842	499296.00	3736441.00	5.02588
499346.00	3736441.00	5.99523	499396.00	3736441.00	7.09667
499446.00	3736441.00	7.90598	499496.00	3736441.00	8.20997

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
499546.00	3736441.00	8.21542	499596.00	3736441.00	8.10530
499646.00	3736441.00	7.95561	499696.00	3736441.00	7.79312
499746.00	3736441.00	7.62241	499796.00	3736441.00	7.44741
499846.00	3736441.00	7.25637	499896.00	3736441.00	7.04818
499946.00	3736441.00	6.80417	499996.00	3736441.00	6.50059
500046.00	3736441.00	6.10006	500096.00	3736441.00	5.55013
500146.00	3736441.00	4.79016	500196.00	3736441.00	3.84269
500246.00	3736441.00	2.93365	500296.00	3736441.00	2.26929
500346.00	3736441.00	1.83222	500396.00	3736441.00	1.53866
500446.00	3736441.00	1.32667	500496.00	3736441.00	1.16688
499046.00	3736491.00	3.25346	499096.00	3736491.00	3.48249
499146.00	3736491.00	3.80678	499196.00	3736491.00	4.28416
499246.00	3736491.00	5.02821	499296.00	3736491.00	6.27488
499346.00	3736491.00	8.47263	499396.00	3736491.00	11.55236
499446.00	3736491.00	13.07181	499496.00	3736491.00	13.16285
499546.00	3736491.00	12.94074	499596.00	3736491.00	12.67607
499646.00	3736491.00	12.41598	499696.00	3736491.00	12.16833
499746.00	3736491.00	11.92909	499796.00	3736491.00	11.68968
499846.00	3736491.00	11.44276	499896.00	3736491.00	11.17262
499946.00	3736491.00	10.86481	499996.00	3736491.00	10.47804
500196.00	3736491.00	5.27049	500246.00	3736491.00	3.39911
500296.00	3736491.00	2.43730	500346.00	3736491.00	1.91458
500396.00	3736491.00	1.58526	500446.00	3736491.00	1.35697
500496.00	3736491.00	1.18800	499046.00	3736541.00	3.55284
499096.00	3736541.00	3.81346	499146.00	3736541.00	4.19640
499196.00	3736541.00	4.79186	499246.00	3736541.00	5.80751
499296.00	3736541.00	7.85048	499346.00	3736541.00	13.83126
499396.00	3736541.00	24.85754	499446.00	3736541.00	18.81866
499496.00	3736541.00	17.98868	499546.00	3736541.00	23.65848
499596.00	3736541.00	16.96975	499646.00	3736541.00	16.72203
499696.00	3736541.00	22.27900	499746.00	3736541.00	16.02907
499796.00	3736541.00	21.99734	499846.00	3736541.00	21.17404
499896.00	3736541.00	15.19247	499946.00	3736541.00	20.65646
499996.00	3736541.00	19.83985	500196.00	3736541.00	8.16222
500246.00	3736541.00	3.74737	500296.00	3736541.00	2.54002
500346.00	3736541.00	1.96020	500396.00	3736541.00	1.61133
500446.00	3736541.00	1.37386	500496.00	3736541.00	1.20194
496546.00	3736591.00	0.85184	496596.00	3736591.00	0.91874
496646.00	3736591.00	0.99355	496696.00	3736591.00	1.07675
496746.00	3736591.00	1.16878	496796.00	3736591.00	1.26969

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
497196.00	3736591.00	2.18807	497246.00	3736591.00	2.27275
497296.00	3736591.00	2.34769	497346.00	3736591.00	2.45327
497396.00	3736591.00	2.47478	497446.00	3736591.00	2.53060
497496.00	3736591.00	2.57797	497546.00	3736591.00	2.62053
497596.00	3736591.00	2.65839	497646.00	3736591.00	2.69210
497696.00	3736591.00	2.72497	497746.00	3736591.00	2.75545
499296.00	3736591.00	9.18468	499346.00	3736591.00	18.54581
499796.00	3736591.00	18.74571	499846.00	3736591.00	18.75083
499896.00	3736591.00	18.69138	499946.00	3736591.00	18.65777
499996.00	3736591.00	18.52991	500046.00	3736591.00	18.19698
500096.00	3736591.00	17.39541	500146.00	3736591.00	14.63292
496546.00	3736641.00	0.88626	496596.00	3736641.00	0.96232
496646.00	3736641.00	1.04888	496696.00	3736641.00	1.14707
496746.00	3736641.00	1.25783	496796.00	3736641.00	1.38160
497246.00	3736641.00	2.60724	497296.00	3736641.00	2.76220
497346.00	3736641.00	2.86337	497396.00	3736641.00	2.82726
497446.00	3736641.00	2.89037	497496.00	3736641.00	2.94083
497546.00	3736641.00	2.97945	497596.00	3736641.00	3.02709
497646.00	3736641.00	3.06497	497696.00	3736641.00	3.09949
497746.00	3736641.00	3.13140	499296.00	3736641.00	9.92427
499346.00	3736641.00	19.22080	499796.00	3736641.00	9.29640
499846.00	3736641.00	9.11691	499896.00	3736641.00	8.93361
499946.00	3736641.00	8.71373	499996.00	3736641.00	8.43025
500046.00	3736641.00	8.00921	500096.00	3736641.00	7.31242
500146.00	3736641.00	6.08984	496546.00	3736691.00	0.92061
496596.00	3736691.00	1.00709	496646.00	3736691.00	1.10769
496696.00	3736691.00	1.22484	496746.00	3736691.00	1.36029

496796.00	3736691.00	1.51584	497246.00	3736691.00	3.05432
497296.00	3736691.00	3.25884	497346.00	3736691.00	3.32782
497396.00	3736691.00	3.29231	497446.00	3736691.00	3.36209
497496.00	3736691.00	3.41751	497546.00	3736691.00	3.51398
497596.00	3736691.00	3.50564	497646.00	3736691.00	3.55148
497696.00	3736691.00	3.58795	497746.00	3736691.00	3.62379
498796.00	3736691.00	4.21274	498846.00	3736691.00	4.27041
499296.00	3736691.00	10.35399	499346.00	3736691.00	19.35357
499796.00	3736691.00	6.44868	499846.00	3736691.00	6.24443
499896.00	3736691.00	6.03878	499946.00	3736691.00	5.81350
499996.00	3736691.00	5.53968	500046.00	3736691.00	5.18534
500096.00	3736691.00	4.69863	500146.00	3736691.00	4.04650
496546.00	3736741.00	0.95361	496596.00	3736741.00	1.05149

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
496646.00	3736741.00	1.16854	496696.00	3736741.00	1.30902
496746.00	3736741.00	1.47788	496796.00	3736741.00	1.67866
497246.00	3736741.00	3.67326	497296.00	3736741.00	3.77040
497346.00	3736741.00	3.85278	497396.00	3736741.00	3.93469
497446.00	3736741.00	4.01154	497496.00	3736741.00	4.06934
497546.00	3736741.00	4.12338	497596.00	3736741.00	4.15881
497646.00	3736741.00	4.21862	497696.00	3736741.00	4.25852
497746.00	3736741.00	4.29933	498796.00	3736741.00	4.92738
498846.00	3736741.00	4.97831	499296.00	3736741.00	10.73068
499346.00	3736741.00	19.44776	500096.00	3736741.00	3.53444
500146.00	3736741.00	3.12388	496546.00	3736791.00	0.98382
496596.00	3736791.00	1.09355	496646.00	3736791.00	1.22868
496696.00	3736791.00	1.39750	496746.00	3736791.00	1.61045
496796.00	3736791.00	1.87816	497196.00	3736791.00	4.45123
497246.00	3736791.00	4.58657	497296.00	3736791.00	4.69925
497346.00	3736791.00	4.79102	497396.00	3736791.00	4.87901
497446.00	3736791.00	4.96253	497496.00	3736791.00	5.02997
497546.00	3736791.00	5.09097	497596.00	3736791.00	5.12463
497646.00	3736791.00	5.18649	497696.00	3736791.00	5.24862
497746.00	3736791.00	5.29483	498496.00	3736791.00	5.84885
498546.00	3736791.00	5.87902	498796.00	3736791.00	5.99987
498846.00	3736791.00	6.03968	499296.00	3736791.00	11.25254
499346.00	3736791.00	19.64807	499596.00	3736791.00	5.84158
499646.00	3736791.00	5.19786	499696.00	3736791.00	4.76938
500096.00	3736791.00	2.87895	500146.00	3736791.00	2.59060
500196.00	3736791.00	2.29333	500246.00	3736791.00	2.01085
500296.00	3736791.00	1.75992	500346.00	3736791.00	1.54911
500396.00	3736791.00	1.37188	500446.00	3736791.00	1.22419
500496.00	3736791.00	1.10422	496546.00	3736841.00	1.00943
496596.00	3736841.00	1.13041	496646.00	3736841.00	1.28417
496696.00	3736841.00	1.48477	496746.00	3736841.00	1.75389
496796.00	3736841.00	2.12178	497196.00	3736841.00	5.91565
497246.00	3736841.00	6.07140	497296.00	3736841.00	6.20719
497346.00	3736841.00	6.31584	497396.00	3736841.00	6.42088
497446.00	3736841.00	6.51133	497496.00	3736841.00	6.59453
497546.00	3736841.00	6.66990	497596.00	3736841.00	6.73952
497646.00	3736841.00	6.80546	497696.00	3736841.00	6.87083
497746.00	3736841.00	6.93316	498496.00	3736841.00	7.72716
498546.00	3736841.00	7.76853	498796.00	3736841.00	7.82615
498846.00	3736841.00	7.84510	499296.00	3736841.00	12.21593

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
499346.00	3736841.00	20.13681	499596.00	3736841.00	5.28732
499646.00	3736841.00	4.63966	499696.00	3736841.00	4.20748

500096.00	3736841.00	2.45804	500146.00	3736841.00	2.23776
500196.00	3736841.00	2.01674	500246.00	3736841.00	1.80806
500296.00	3736841.00	1.61514	500346.00	3736841.00	1.44472
500396.00	3736841.00	1.29972	500446.00	3736841.00	1.17240
500496.00	3736841.00	1.06636	496546.00	3736891.00	1.02833
496596.00	3736891.00	1.15854	496646.00	3736891.00	1.32844
496696.00	3736891.00	1.55983	496746.00	3736891.00	1.89249
496796.00	3736891.00	2.40245	497096.00	3736891.00	8.20844
497146.00	3736891.00	8.52389	497196.00	3736891.00	8.76835
497246.00	3736891.00	8.96964	497296.00	3736891.00	9.14222
497346.00	3736891.00	9.29607	497396.00	3736891.00	9.43789
497446.00	3736891.00	9.56765	497496.00	3736891.00	9.69293
497546.00	3736891.00	9.80901	497596.00	3736891.00	9.92105
497646.00	3736891.00	10.03076	497696.00	3736891.00	10.13769
497746.00	3736891.00	10.24597	498496.00	3736891.00	11.82711
498546.00	3736891.00	11.91592	498746.00	3736891.00	11.81781
498796.00	3736891.00	11.77817	498846.00	3736891.00	11.73957
499296.00	3736891.00	14.66810	499346.00	3736891.00	21.54870
499596.00	3736891.00	4.82568	499646.00	3736891.00	4.20218
499696.00	3736891.00	3.78265	499746.00	3736891.00	3.47529
499796.00	3736891.00	3.23451	499846.00	3736891.00	3.03219
499896.00	3736891.00	2.85232	499946.00	3736891.00	2.67314
499996.00	3736891.00	2.50607	500046.00	3736891.00	2.33593
500096.00	3736891.00	2.16292	500146.00	3736891.00	1.98651
500196.00	3736891.00	1.81213	500246.00	3736891.00	1.64539
500296.00	3736891.00	1.49344	500346.00	3736891.00	1.35346
500396.00	3736891.00	1.23158	500446.00	3736891.00	1.12123
500496.00	3736891.00	1.02510	496546.00	3736941.00	1.03856
496596.00	3736941.00	1.17485	496646.00	3736941.00	1.35541
496696.00	3736941.00	1.60860	496746.00	3736941.00	1.99258
496796.00	3736941.00	2.65552	497096.00	3736941.00	16.28903
497146.00	3736941.00	16.80940	497196.00	3736941.00	17.26371
497246.00	3736941.00	17.67089	497296.00	3736941.00	18.04381
497346.00	3736941.00	18.43174	497396.00	3736941.00	18.80124
497446.00	3736941.00	19.17216	497496.00	3736941.00	19.54785
497546.00	3736941.00	19.92912	497596.00	3736941.00	20.30826
497646.00	3736941.00	20.69762	497696.00	3736941.00	21.10277
497746.00	3736941.00	21.47947	498746.00	3736941.00	21.00215

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
498796.00	3736941.00	21.52662	498846.00	3736941.00	21.11048
499596.00	3736941.00	4.39966	499646.00	3736941.00	3.82719
499696.00	3736941.00	3.43472	499746.00	3736941.00	3.14364
499796.00	3736941.00	2.91466	499846.00	3736941.00	2.72277
499896.00	3736941.00	2.55422	499946.00	3736941.00	2.38919
499996.00	3736941.00	2.23820	500046.00	3736941.00	2.08885
500096.00	3736941.00	1.94090	500146.00	3736941.00	1.79587
500196.00	3736941.00	1.65252	500246.00	3736941.00	1.51531
500296.00	3736941.00	1.39010	500346.00	3736941.00	1.27238
500396.00	3736941.00	1.16840	500446.00	3736941.00	1.07198
500496.00	3736941.00	0.98832	496546.00	3736991.00	1.03921
496596.00	3736991.00	1.17658	498696.00	3736991.00	19.73940
498746.00	3736991.00	20.03007	498796.00	3736991.00	20.37447
498846.00	3736991.00	20.71009	498896.00	3736991.00	21.07286
499696.00	3736991.00	3.13229	496546.00	3737041.00	1.03013
496596.00	3737041.00	1.16330	498696.00	3737041.00	9.64190
498746.00	3737041.00	9.71131	498796.00	3737041.00	9.79210
498846.00	3737041.00	9.87162	498896.00	3737041.00	9.95648
499696.00	3737041.00	2.86030	496546.00	3737091.00	0.99758
496596.00	3737091.00	1.13681	498746.00	3737091.00	6.66431
498796.00	3737091.00	6.70298	498846.00	3737091.00	6.74400
498896.00	3737091.00	6.78567	499696.00	3737091.00	2.61300
496546.00	3737141.00	0.91608	496596.00	3737141.00	1.05984
499696.00	3737141.00	2.38876	499396.00	3737191.00	3.62424
499446.00	3737191.00	3.34265	499496.00	3737191.00	3.05830
499546.00	3737191.00	2.79373	499596.00	3737191.00	2.56039
499646.00	3737191.00	2.35984	499696.00	3737191.00	2.18697
499396.00	3737241.00	3.06504	499446.00	3737241.00	2.87259
499496.00	3737241.00	2.67475	499546.00	3737241.00	2.48308
499596.00	3737241.00	2.30642	499646.00	3737241.00	2.14823
499696.00	3737241.00	2.00665	499396.00	3737291.00	2.65651
499446.00	3737291.00	2.51638	499496.00	3737291.00	2.37103
499546.00	3737291.00	2.22654	499596.00	3737291.00	2.09061
499646.00	3737291.00	1.96290	499696.00	3737291.00	1.84630

499396.00	3737341.00	2.34332	499446.00	3737341.00	2.23648
499496.00	3737341.00	2.12520	499546.00	3737341.00	2.01258
499596.00	3737341.00	1.90474	499646.00	3737341.00	1.80083
499696.00	3737341.00	1.70437	498945.00	3736941.00	27.11140
498995.00	3736943.00	21.37182	498945.00	3736894.00	12.07993
498995.00	3736897.00	12.48322			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
499046.00	3736191.00	3.44689	499096.00	3736191.00	3.43851
499146.00	3736191.00	3.43176	499196.00	3736191.00	3.46417
499246.00	3736191.00	3.49145	499296.00	3736191.00	3.54231
499346.00	3736191.00	3.59333	499396.00	3736191.00	3.65144
499446.00	3736191.00	3.69992	499496.00	3736191.00	3.73967
499546.00	3736191.00	3.75540	499596.00	3736191.00	3.75122
499646.00	3736191.00	3.71775	499696.00	3736191.00	3.65791
499746.00	3736191.00	3.58507	499796.00	3736191.00	3.49133
499846.00	3736191.00	3.38688	499896.00	3736191.00	3.27595
499946.00	3736191.00	3.15582	499996.00	3736191.00	3.02235
500046.00	3736191.00	2.88037	500096.00	3736191.00	2.73518
500146.00	3736191.00	2.57760	500196.00	3736191.00	2.41670
500246.00	3736191.00	2.25420	500296.00	3736191.00	2.09170
500346.00	3736191.00	1.93646	500396.00	3736191.00	1.79325
500446.00	3736191.00	1.66791	500496.00	3736191.00	1.55364
499046.00	3736241.00	3.62623	499096.00	3736241.00	3.63163
499146.00	3736241.00	3.64351	499196.00	3736241.00	3.70031
499246.00	3736241.00	3.75713	499296.00	3736241.00	3.84371
499346.00	3736241.00	3.93380	499396.00	3736241.00	4.03264
499446.00	3736241.00	4.11864	499496.00	3736241.00	4.18507
499546.00	3736241.00	4.21534	499596.00	3736241.00	4.21457
499646.00	3736241.00	4.17288	499696.00	3736241.00	4.10638
499746.00	3736241.00	4.01373	499796.00	3736241.00	3.90909
499846.00	3736241.00	3.78642	499896.00	3736241.00	3.65649
499946.00	3736241.00	3.51534	499996.00	3736241.00	3.35913
500046.00	3736241.00	3.19408	500096.00	3736241.00	3.01359
500146.00	3736241.00	2.82001	500196.00	3736241.00	2.61984
500246.00	3736241.00	2.41713	500296.00	3736241.00	2.21631
500346.00	3736241.00	2.02879	500396.00	3736241.00	1.86379
500446.00	3736241.00	1.71810	500496.00	3736241.00	1.59161
499046.00	3736291.00	3.82386	499096.00	3736291.00	3.84746
499146.00	3736291.00	3.88951	499196.00	3736291.00	3.97653
499246.00	3736291.00	4.08000	499296.00	3736291.00	4.21942
499346.00	3736291.00	4.37678	499396.00	3736291.00	4.53715
499446.00	3736291.00	4.68527	499496.00	3736291.00	4.78690
499546.00	3736291.00	4.83626	499596.00	3736291.00	4.82901
499646.00	3736291.00	4.77366	499696.00	3736291.00	4.68955
499746.00	3736291.00	4.57845	499796.00	3736291.00	4.45696
499846.00	3736291.00	4.31598	499896.00	3736291.00	4.16318
499946.00	3736291.00	3.99958	499996.00	3736291.00	3.81408

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
500046.00	3736291.00	3.61363	500096.00	3736291.00	3.38714
500146.00	3736291.00	3.14239	500196.00	3736291.00	2.88311
500246.00	3736291.00	2.61587	500296.00	3736291.00	2.35965
500346.00	3736291.00	2.13056	500396.00	3736291.00	1.93493
500446.00	3736291.00	1.76819	500496.00	3736291.00	1.62888
499046.00	3736341.00	4.04136	499096.00	3736341.00	4.08821
499146.00	3736341.00	4.19181	499196.00	3736341.00	4.30149
499246.00	3736341.00	4.48840	499296.00	3736341.00	4.70230
499346.00	3736341.00	4.97011	499396.00	3736341.00	5.24516

499446.00	3736341.00	5.48942	499496.00	3736341.00	5.64558
499546.00	3736341.00	5.70581	499596.00	3736341.00	5.68329
499646.00	3736341.00	5.60498	499696.00	3736341.00	5.49446
499746.00	3736341.00	5.36037	499796.00	3736341.00	5.21749
499846.00	3736341.00	5.05485	499896.00	3736341.00	4.87804
499946.00	3736341.00	4.68871	499996.00	3736341.00	4.46521
500046.00	3736341.00	4.21334	500096.00	3736341.00	3.92015
500146.00	3736341.00	3.59374	500196.00	3736341.00	3.23182
500246.00	3736341.00	2.86392	500296.00	3736341.00	2.52569
500346.00	3736341.00	2.23937	500396.00	3736341.00	2.00478
500446.00	3736341.00	1.81689	500496.00	3736341.00	1.66935
499046.00	3736391.00	4.28009	499096.00	3736391.00	4.35896
499146.00	3736391.00	4.50462	499196.00	3736391.00	4.68691
499246.00	3736391.00	4.97750	499296.00	3736391.00	5.35890
499346.00	3736391.00	5.81972	499396.00	3736391.00	6.32827
499446.00	3736391.00	6.74361	499496.00	3736391.00	6.97208
499546.00	3736391.00	7.01601	499596.00	3736391.00	6.95422
499646.00	3736391.00	6.83411	499696.00	3736391.00	6.68627
499746.00	3736391.00	6.52773	499796.00	3736391.00	6.35972
499846.00	3736391.00	6.17251	499896.00	3736391.00	5.97413
499946.00	3736391.00	5.74748	499996.00	3736391.00	5.47778
500046.00	3736391.00	5.15213	500096.00	3736391.00	4.75756
500146.00	3736391.00	4.27749	500196.00	3736391.00	3.72984
500246.00	3736391.00	3.18148	500296.00	3736391.00	2.71178
500346.00	3736391.00	2.34602	500396.00	3736391.00	2.07187
500446.00	3736391.00	1.86771	500496.00	3736391.00	1.70300
499046.00	3736441.00	4.54136	499096.00	3736441.00	4.67367
499146.00	3736441.00	4.85357	499196.00	3736441.00	5.16141
499246.00	3736441.00	5.58529	499296.00	3736441.00	6.25637
499346.00	3736441.00	7.16503	499396.00	3736441.00	8.22574
499446.00	3736441.00	8.99012	499496.00	3736441.00	9.25791

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
499546.00	3736441.00	9.22501	499596.00	3736441.00	9.08253
499646.00	3736441.00	8.89914	499696.00	3736441.00	8.70757
499746.00	3736441.00	8.50756	499796.00	3736441.00	8.30532
499846.00	3736441.00	8.08669	499896.00	3736441.00	7.85493
499946.00	3736441.00	7.58690	499996.00	3736441.00	7.25879
500046.00	3736441.00	6.83399	500096.00	3736441.00	6.26448
500146.00	3736441.00	5.48186	500196.00	3736441.00	4.51431
500246.00	3736441.00	3.58646	500296.00	3736441.00	2.90226
500346.00	3736441.00	2.44722	500396.00	3736441.00	2.13782
500446.00	3736441.00	1.90861	500496.00	3736441.00	1.73234
499046.00	3736491.00	4.82712	499096.00	3736491.00	4.99344
499146.00	3736491.00	5.23423	499196.00	3736491.00	5.65638
499246.00	3736491.00	6.31474	499296.00	3736491.00	7.51435
499346.00	3736491.00	9.65106	499396.00	3736491.00	12.68877
499446.00	3736491.00	14.16266	499496.00	3736491.00	14.21706
499546.00	3736491.00	13.95615	499596.00	3736491.00	13.65875
499646.00	3736491.00	13.36549	499696.00	3736491.00	13.08756
499746.00	3736491.00	12.82039	499796.00	3736491.00	12.55172
499846.00	3736491.00	12.27983	499896.00	3736491.00	11.98320
499946.00	3736491.00	11.65095	499996.00	3736491.00	11.23939
500196.00	3736491.00	5.94687	500246.00	3736491.00	4.05427
500296.00	3736491.00	3.07338	500346.00	3736491.00	2.53404
500396.00	3736491.00	2.18634	500446.00	3736491.00	1.94069
500496.00	3736491.00	1.75512	499046.00	3736541.00	5.14148
499096.00	3736541.00	5.33815	499146.00	3736541.00	5.63847
499196.00	3736541.00	6.17500	499246.00	3736541.00	7.10322
499296.00	3736541.00	9.09834	499346.00	3736541.00	15.01643
499396.00	3736541.00	26.00092	499446.00	3736541.00	19.91588
499496.00	3736541.00	19.04885	499546.00	3736541.00	24.68270
499596.00	3736541.00	17.95770	499646.00	3736541.00	17.67850
499696.00	3736541.00	23.20480	499746.00	3736541.00	16.92461
499796.00	3736541.00	22.86614	499846.00	3736541.00	22.01476
499896.00	3736541.00	16.00655	499946.00	3736541.00	21.44588
499996.00	3736541.00	20.60440	500196.00	3736541.00	8.84094
500246.00	3736541.00	4.40469	500296.00	3736541.00	3.18078
500346.00	3736541.00	2.58154	500396.00	3736541.00	2.21415
500446.00	3736541.00	1.95919	500496.00	3736541.00	1.77256
496546.00	3736591.00	8.65034	496596.00	3736591.00	9.47339
496646.00	3736591.00	10.39270	496696.00	3736591.00	11.41101
496746.00	3736591.00	12.53040	496796.00	3736591.00	13.74632

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
497196.00	3736591.00	23.13165	497246.00	3736591.00	23.32120
497296.00	3736591.00	24.01116	497346.00	3736591.00	24.04105
497396.00	3736591.00	21.47523	497446.00	3736591.00	20.26934
497496.00	3736591.00	18.84818	497546.00	3736591.00	17.34642
497596.00	3736591.00	15.85769	497646.00	3736591.00	14.46230
497696.00	3736591.00	13.20361	497746.00	3736591.00	12.09904
499296.00	3736591.00	10.44061	499346.00	3736591.00	19.73799
499796.00	3736591.00	19.61810	499846.00	3736591.00	19.59482
499896.00	3736591.00	19.51064	499946.00	3736591.00	19.45133
499996.00	3736591.00	19.29804	500046.00	3736591.00	18.94363
500096.00	3736591.00	18.11807	500146.00	3736591.00	15.33625
496546.00	3736641.00	9.21227	496596.00	3736641.00	10.17561
496646.00	3736641.00	11.27149	496696.00	3736641.00	12.51162
496746.00	3736641.00	13.90504	496796.00	3736641.00	15.45361
497246.00	3736641.00	29.13508	497296.00	3736641.00	29.70729
497346.00	3736641.00	29.14521	497396.00	3736641.00	25.82037
497446.00	3736641.00	23.32846	497496.00	3736641.00	21.35786
497546.00	3736641.00	19.50081	497596.00	3736641.00	17.44689
497646.00	3736641.00	15.74177	497696.00	3736641.00	14.25311
497746.00	3736641.00	12.98809	499296.00	3736641.00	11.18752
499346.00	3736641.00	20.43120	499796.00	3736641.00	10.17204
499846.00	3736641.00	9.96648	499896.00	3736641.00	9.75571
499946.00	3736641.00	9.51086	499996.00	3736641.00	9.20188
500046.00	3736641.00	8.75837	500096.00	3736641.00	8.03740
500146.00	3736641.00	6.79522	496546.00	3736691.00	9.78281
496596.00	3736691.00	10.90533	496646.00	3736691.00	12.20930
496696.00	3736691.00	13.72426	496746.00	3736691.00	15.46850
496796.00	3736691.00	17.46568	497246.00	3736691.00	34.39902
497296.00	3736691.00	36.39735	497346.00	3736691.00	34.69517
497396.00	3736691.00	29.86084	497446.00	3736691.00	27.13035
497496.00	3736691.00	24.37029	497546.00	3736691.00	22.87761
497596.00	3736691.00	19.21987	497646.00	3736691.00	17.16572
497696.00	3736691.00	15.42920	497746.00	3736691.00	13.99165
498796.00	3736691.00	6.26151	498846.00	3736691.00	6.22204
499296.00	3736691.00	11.62383	499346.00	3736691.00	20.57683
499796.00	3736691.00	7.32726	499846.00	3736691.00	7.09667
499896.00	3736691.00	6.86335	499946.00	3736691.00	6.61391
499996.00	3736691.00	6.31464	500046.00	3736691.00	5.93670
500096.00	3736691.00	5.42748	500146.00	3736691.00	4.75366
496546.00	3736741.00	10.34382	496596.00	3736741.00	11.63928

*** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD View\AERMOD Projects\EMWD SJVRWC\EMWD SJVRWC.isc *** 01/04/19
*** AERMET - VERSION 16216 *** *** *** 05:48:15
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
496646.00	3736741.00	13.18276	496696.00	3736741.00	15.02273
496746.00	3736741.00	17.22004	496796.00	3736741.00	19.81754
497246.00	3736741.00	43.41959	497296.00	3736741.00	41.70658
497346.00	3736741.00	39.80796	497396.00	3736741.00	35.75271
497446.00	3736741.00	31.95911	497496.00	3736741.00	27.98500
497546.00	3736741.00	24.35902	497596.00	3736741.00	21.21577
497646.00	3736741.00	18.78306	497696.00	3736741.00	16.78364
497746.00	3736741.00	15.17467	498796.00	3736741.00	6.99312
498846.00	3736741.00	6.94522	499296.00	3736741.00	12.04293
499346.00	3736741.00	20.67988	500096.00	3736741.00	4.26475
500146.00	3736741.00	3.83251	496546.00	3736791.00	10.87579
496596.00	3736791.00	12.35188	496646.00	3736791.00	14.15374
496696.00	3736791.00	16.37294	496746.00	3736791.00	19.12353
496796.00	3736791.00	22.52518	497196.00	3736791.00	57.98163
497246.00	3736791.00	56.71640	497296.00	3736791.00	53.83440
497346.00	3736791.00	49.57370	497396.00	3736791.00	44.20775

497446.00	3736791.00	38.19225	497496.00	3736791.00	32.38930
497546.00	3736791.00	27.50203	497596.00	3736791.00	23.32402
497646.00	3736791.00	20.65327	497696.00	3736791.00	18.43402
497746.00	3736791.00	16.65922	498496.00	3736791.00	8.75121
498546.00	3736791.00	8.61106	498796.00	3736791.00	8.08028
498846.00	3736791.00	8.01977	499296.00	3736791.00	12.57012
499346.00	3736791.00	20.91684	499596.00	3736791.00	6.85932
499646.00	3736791.00	6.18246	499696.00	3736791.00	5.71679
500096.00	3736791.00	3.60849	500146.00	3736791.00	3.29889
500196.00	3736791.00	2.97981	500246.00	3736791.00	2.67526
500296.00	3736791.00	2.40341	500346.00	3736791.00	2.17519
500396.00	3736791.00	1.98002	500446.00	3736791.00	1.81426
500496.00	3736791.00	1.67994	496546.00	3736841.00	11.35460
496596.00	3736841.00	13.00766	496646.00	3736841.00	15.07780
496696.00	3736841.00	17.70811	496746.00	3736841.00	21.10512
496796.00	3736841.00	25.54717	497196.00	3736841.00	80.34430
497246.00	3736841.00	77.63947	497296.00	3736841.00	72.98440
497346.00	3736841.00	66.05412	497396.00	3736841.00	56.61414
497446.00	3736841.00	46.41178	497496.00	3736841.00	37.77421
497546.00	3736841.00	31.29453	497596.00	3736841.00	26.60600
497646.00	3736841.00	23.19939	497696.00	3736841.00	20.68734
497746.00	3736841.00	18.75658	498496.00	3736841.00	10.65471
498546.00	3736841.00	10.52264	498796.00	3736841.00	9.91872
498846.00	3736841.00	9.83616	499296.00	3736841.00	13.54371

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
499346.00	3736841.00	21.40957	499596.00	3736841.00	6.30731
499646.00	3736841.00	5.62623	499696.00	3736841.00	5.15676
500096.00	3736841.00	3.18831	500146.00	3736841.00	2.94377
500196.00	3736841.00	2.70035	500246.00	3736841.00	2.47289
500296.00	3736841.00	2.25908	500346.00	3736841.00	2.06876
500396.00	3736841.00	1.90817	500446.00	3736841.00	1.76270
500496.00	3736841.00	1.64227	496546.00	3736891.00	11.75138
496596.00	3736891.00	13.56264	496646.00	3736891.00	15.87913
496696.00	3736891.00	18.91504	496746.00	3736891.00	23.00568
496796.00	3736891.00	28.69484	497096.00	3736891.00	116.98242
497146.00	3736891.00	121.04299	497196.00	3736891.00	120.00299
497246.00	3736891.00	114.12630	497296.00	3736891.00	108.35510
497346.00	3736891.00	96.27453	497396.00	3736891.00	76.08041
497446.00	3736891.00	57.55699	497496.00	3736891.00	44.83949
497546.00	3736891.00	36.55580	497596.00	3736891.00	31.05098
497646.00	3736891.00	27.24833	497696.00	3736891.00	24.50656
497746.00	3736891.00	22.47181	498496.00	3736891.00	14.77450
498546.00	3736891.00	14.68752	498746.00	3736891.00	14.03127
498796.00	3736891.00	13.88022	498846.00	3736891.00	13.73922
499296.00	3736891.00	16.01960	499346.00	3736891.00	22.82448
499596.00	3736891.00	5.84726	499646.00	3736891.00	5.18681
499696.00	3736891.00	4.73323	499746.00	3736891.00	4.39231
499796.00	3736891.00	4.12319	499846.00	3736891.00	3.89102
499896.00	3736891.00	3.68740	499946.00	3736891.00	3.47573
499996.00	3736891.00	3.28422	500046.00	3736891.00	3.08981
500096.00	3736891.00	2.89372	500146.00	3736891.00	2.69293
500196.00	3736891.00	2.49516	500246.00	3736891.00	2.30725
500296.00	3736891.00	2.13754	500346.00	3736891.00	1.97744
500396.00	3736891.00	1.84009	500446.00	3736891.00	1.71151
500496.00	3736891.00	1.59940	496546.00	3736941.00	12.03706
496596.00	3736941.00	13.97778	496646.00	3736941.00	16.49522
496696.00	3736941.00	19.87167	496746.00	3736941.00	24.57679
496796.00	3736941.00	31.52572	497096.00	3736941.00	206.09500
497146.00	3736941.00	218.83171	497196.00	3736941.00	208.32494
497246.00	3736941.00	188.66287	497296.00	3736941.00	204.68246
497346.00	3736941.00	172.18939	497396.00	3736941.00	110.24812
497446.00	3736941.00	75.85375	497496.00	3736941.00	58.31619
497546.00	3736941.00	48.51360	497596.00	3736941.00	42.50329
497646.00	3736941.00	38.59070	497696.00	3736941.00	35.92674
497746.00	3736941.00	34.02434	498746.00	3736941.00	23.22306

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,

L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
498796.00	3736941.00	23.63532	498846.00	3736941.00	23.11608
499596.00	3736941.00	5.42216	499646.00	3736941.00	4.81263
499696.00	3736941.00	4.38603	499746.00	3736941.00	4.06129
499796.00	3736941.00	3.80391	499846.00	3736941.00	3.58228
499896.00	3736941.00	3.38958	499946.00	3736941.00	3.19248
499996.00	3736941.00	3.01651	500046.00	3736941.00	2.84095
500096.00	3736941.00	2.66928	500146.00	3736941.00	2.50236
500196.00	3736941.00	2.33552	500246.00	3736941.00	2.17624
500296.00	3736941.00	2.03407	500346.00	3736941.00	1.89617
500396.00	3736941.00	1.77671	500446.00	3736941.00	1.66200
500496.00	3736941.00	1.56318	496546.00	3736991.00	12.19516
496596.00	3736991.00	14.21033	498696.00	3736991.00	22.08701
498746.00	3736991.00	22.25510	498796.00	3736991.00	22.48685
498846.00	3736991.00	22.71898	498896.00	3736991.00	22.98613
499696.00	3736991.00	4.08373	496546.00	3737041.00	12.05819
496596.00	3737041.00	14.23775	498696.00	3737041.00	11.99032
498746.00	3737041.00	11.93705	498796.00	3737041.00	11.90511
498846.00	3737041.00	11.88107	498896.00	3737041.00	11.87033
499696.00	3737041.00	3.81131	496546.00	3737091.00	11.48091
496596.00	3737091.00	14.05327	498746.00	3737091.00	8.88730
498796.00	3737091.00	8.81360	498846.00	3737091.00	8.75125
498896.00	3737091.00	8.69761	499696.00	3737091.00	3.56301
496546.00	3737141.00	10.66853	496596.00	3737141.00	12.74652
499696.00	3737141.00	3.33723	499396.00	3737191.00	4.87598
499446.00	3737191.00	4.52530	499496.00	3737191.00	4.19649
499546.00	3737191.00	3.86357	499596.00	3737191.00	3.57999
499646.00	3737191.00	3.34397	499696.00	3737191.00	3.13336
499396.00	3737241.00	4.31309	499446.00	3737241.00	4.05175
499496.00	3737241.00	3.81304	499546.00	3737241.00	3.54983
499596.00	3737241.00	3.32313	499646.00	3737241.00	3.12963
499696.00	3737241.00	2.95047	499396.00	3737291.00	3.89993
499446.00	3737291.00	3.69124	499496.00	3737291.00	3.50534
499546.00	3737291.00	3.28957	499596.00	3737291.00	3.11754
499646.00	3737291.00	2.94106	499696.00	3737291.00	2.78839
499396.00	3737341.00	3.58121	499446.00	3737341.00	3.41342
499496.00	3737341.00	3.25479	499546.00	3737341.00	3.07127
499596.00	3737341.00	2.92859	499646.00	3737341.00	2.77524
499696.00	3737341.00	2.64802	498945.00	3736941.00	28.93542
498995.00	3736943.00	23.11414	498945.00	3736894.00	13.89948
498995.00	3736897.00	14.22167			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499046.00	3736191.00	3.65695	(15042919)	499096.00	3736191.00	4.29142	(15042919)
499146.00	3736191.00	5.57339	(15042919)	499196.00	3736191.00	5.38557	(14100418)
499246.00	3736191.00	5.49308	(10030518)	499296.00	3736191.00	5.34075	(10030518)
499346.00	3736191.00	5.28947	(15111718)	499396.00	3736191.00	5.18056	(15111718)
499446.00	3736191.00	5.13974	(15111718)	499496.00	3736191.00	5.01502	(15111718)
499546.00	3736191.00	4.95845	(15111718)	499596.00	3736191.00	4.78483	(15111718)
499646.00	3736191.00	4.68824	(15111718)	499696.00	3736191.00	4.62168	(15111718)
499746.00	3736191.00	4.48838	(15121117)	499796.00	3736191.00	4.44946	(15121117)
499846.00	3736191.00	4.40700	(15121117)	499896.00	3736191.00	4.30939	(15121117)
499946.00	3736191.00	4.20835	(15121117)	499996.00	3736191.00	4.20422	(15121107)
500046.00	3736191.00	4.19361	(15121107)	500096.00	3736191.00	4.11607	(15121107)
500146.00	3736191.00	4.10085	(15121107)	500196.00	3736191.00	4.05123	(15121107)
500246.00	3736191.00	3.99836	(15121107)	500296.00	3736191.00	3.98978	(16110721)
500346.00	3736191.00	3.98824	(16110721)	500396.00	3736191.00	3.97863	(16110721)
500446.00	3736191.00	3.90708	(16110721)	500496.00	3736191.00	3.89196	(16110721)
499046.00	3736241.00	3.67371	(15042919)	499096.00	3736241.00	4.29073	(15042919)
499146.00	3736241.00	5.56085	(10030518)	499196.00	3736241.00	5.40249	(15111718)
499246.00	3736241.00	5.57517	(15111718)	499296.00	3736241.00	5.44126	(15111718)
499346.00	3736241.00	5.38511	(15111718)	499396.00	3736241.00	5.23899	(15111718)
499446.00	3736241.00	5.15415	(15111718)	499496.00	3736241.00	5.01539	(15111718)
499546.00	3736241.00	4.93086	(15111718)	499596.00	3736241.00	4.71859	(15121117)
499646.00	3736241.00	4.67551	(15121117)	499696.00	3736241.00	4.56018	(15121117)
499746.00	3736241.00	4.51001	(15121117)	499796.00	3736241.00	4.40936	(15121117)

499846.00	3736241.00	4.40135	(15121107)	499896.00	3736241.00	4.34578	(15121107)
499946.00	3736241.00	4.28953	(15121107)	499996.00	3736241.00	4.26382	(15121107)
500046.00	3736241.00	4.18723	(15121107)	500096.00	3736241.00	4.14046	(15121107)
500146.00	3736241.00	4.11066	(16110721)	500196.00	3736241.00	4.07047	(16110721)
500246.00	3736241.00	4.03127	(15100118)	500296.00	3736241.00	4.03419	(15100118)
500346.00	3736241.00	4.03072	(15100118)	500396.00	3736241.00	3.98922	(15100118)
500446.00	3736241.00	3.96650	(15100118)	500496.00	3736241.00	3.95317	(15100118)
499046.00	3736291.00	3.66745	(14100418)	499096.00	3736291.00	4.29748	(15111718)
499146.00	3736291.00	5.48543	(15111718)	499196.00	3736291.00	5.51455	(15111718)
499246.00	3736291.00	5.60699	(15111718)	499296.00	3736291.00	5.47821	(15111718)
499346.00	3736291.00	5.33043	(15111718)	499396.00	3736291.00	5.21143	(15111718)
499446.00	3736291.00	5.05427	(15121117)	499496.00	3736291.00	5.00323	(15121117)
499546.00	3736291.00	4.87040	(15121117)	499596.00	3736291.00	4.73664	(15121117)
499646.00	3736291.00	4.67067	(15121117)	499696.00	3736291.00	4.55445	(15121107)
499746.00	3736291.00	4.54339	(15121107)	499796.00	3736291.00	4.44693	(15012407)
499846.00	3736291.00	4.42138	(15012407)	499896.00	3736291.00	4.39572	(15012407)
499946.00	3736291.00	4.31418	(15012407)	499996.00	3736291.00	4.27783	(15100118)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
500046.00	3736291.00	4.22335	(15100118)	500096.00	3736291.00	4.22603	(15100118)
500146.00	3736291.00	4.19692	(15100118)	500196.00	3736291.00	4.16279	(15100118)
500246.00	3736291.00	4.15523	(15100118)	500296.00	3736291.00	4.14446	(15100118)
500346.00	3736291.00	4.10281	(15100118)	500396.00	3736291.00	4.05567	(15100118)
500446.00	3736291.00	4.03476	(15100118)	500496.00	3736291.00	4.00865	(15100118)
499046.00	3736341.00	3.71368	(15111718)	499096.00	3736341.00	4.37273	(15111718)
499146.00	3736341.00	4.23791	(15111718)	499196.00	3736341.00	5.52788	(15111718)
499246.00	3736341.00	5.33756	(15111718)	499296.00	3736341.00	5.44313	(15121117)
499346.00	3736341.00	5.29260	(15121117)	499396.00	3736341.00	5.20871	(15121117)
499446.00	3736341.00	5.06757	(15121117)	499496.00	3736341.00	4.99042	(15121117)
499546.00	3736341.00	4.88349	(15012407)	499596.00	3736341.00	4.78730	(15012407)
499646.00	3736341.00	4.72626	(15012407)	499696.00	3736341.00	4.65772	(15012407)
499746.00	3736341.00	4.62182	(15012407)	499796.00	3736341.00	4.51805	(15012407)
499846.00	3736341.00	4.49695	(15100118)	499896.00	3736341.00	4.50936	(15100118)
499946.00	3736341.00	4.39283	(15100118)	499996.00	3736341.00	4.40651	(15100118)
500046.00	3736341.00	4.34985	(15100118)	500096.00	3736341.00	4.33524	(15100118)
500146.00	3736341.00	4.25686	(15100118)	500196.00	3736341.00	4.24275	(15100118)
500246.00	3736341.00	4.22108	(15100118)	500296.00	3736341.00	4.17017	(15100118)
500346.00	3736341.00	4.11193	(15100118)	500396.00	3736341.00	4.08030	(15100118)
500446.00	3736341.00	4.04672	(15100118)	500496.00	3736341.00	3.96289	(15100118)
499046.00	3736391.00	3.73179	(15111718)	499096.00	3736391.00	4.22107	(15111718)
499146.00	3736391.00	4.22143	(15111718)	499196.00	3736391.00	5.42083	(15121117)
499246.00	3736391.00	5.34019	(15121117)	499296.00	3736391.00	5.22455	(15121117)
499346.00	3736391.00	5.29791	(15012407)	499396.00	3736391.00	5.18487	(15012407)
499446.00	3736391.00	5.14948	(15012407)	499496.00	3736391.00	5.03157	(15012407)
499546.00	3736391.00	4.99053	(15012407)	499596.00	3736391.00	4.86969	(15012407)
499646.00	3736391.00	4.81958	(15012407)	499696.00	3736391.00	4.79324	(15100118)
499746.00	3736391.00	4.72979	(15100118)	499796.00	3736391.00	4.63696	(15100118)
499846.00	3736391.00	4.62674	(15100118)	499896.00	3736391.00	4.52623	(15100118)
499946.00	3736391.00	4.46183	(15100118)	499996.00	3736391.00	4.44621	(15100118)
500046.00	3736391.00	4.41232	(15100118)	500096.00	3736391.00	4.33119	(15100118)
500146.00	3736391.00	4.28873	(15100118)	500196.00	3736391.00	4.26055	(15100118)
500246.00	3736391.00	4.19721	(15100118)	500296.00	3736391.00	4.12874	(15100118)
500346.00	3736391.00	4.09043	(15100118)	500396.00	3736391.00	4.04488	(15100118)
500446.00	3736391.00	3.95290	(15100118)	500496.00	3736391.00	3.90600	(15100118)
499046.00	3736441.00	3.69959	(15121117)	499096.00	3736441.00	3.57627	(15121117)
499146.00	3736441.00	4.21236	(15121117)	499196.00	3736441.00	4.09118	(15012407)
499246.00	3736441.00	5.40799	(15012407)	499296.00	3736441.00	5.27411	(15012407)
499346.00	3736441.00	5.42406	(15012407)	499396.00	3736441.00	5.28154	(15012407)
499446.00	3736441.00	5.22091	(15012407)	499496.00	3736441.00	5.08503	(15100118)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499546.00	3736441.00	5.07987	(15100118)	499596.00	3736441.00	4.97230	(15100118)
499646.00	3736441.00	4.95637	(15100118)	499696.00	3736441.00	4.84670	(15100118)
499746.00	3736441.00	4.78974	(15100118)	499796.00	3736441.00	4.71097	(15100118)
499846.00	3736441.00	4.68071	(15100118)	499896.00	3736441.00	4.56483	(15100118)
499946.00	3736441.00	4.49189	(15100118)	499996.00	3736441.00	4.44827	(15100118)
500046.00	3736441.00	4.40691	(15100118)	500096.00	3736441.00	4.29804	(15100118)
500146.00	3736441.00	4.25606	(15100118)	500196.00	3736441.00	4.18538	(15100118)
500246.00	3736441.00	4.10774	(15100118)	500296.00	3736441.00	4.05990	(15100118)
500346.00	3736441.00	3.99449	(15100118)	500396.00	3736441.00	3.91060	(14110104)
500446.00	3736441.00	3.90131	(14110104)	500496.00	3736441.00	3.89020	(14110104)
499046.00	3736491.00	3.75895	(15012407)	499096.00	3736491.00	3.64938	(15012407)
499146.00	3736491.00	4.22552	(15012407)	499196.00	3736491.00	4.17855	(15012407)
499246.00	3736491.00	5.49439	(15012407)	499296.00	3736491.00	5.33156	(15012407)
499346.00	3736491.00	5.46720	(15100118)	499396.00	3736491.00	5.35974	(15100118)
499446.00	3736491.00	5.33662	(15100118)	499496.00	3736491.00	5.20551	(15100118)
499546.00	3736491.00	5.17867	(15100118)	499596.00	3736491.00	5.04756	(15100118)
499646.00	3736491.00	4.98369	(15100118)	499696.00	3736491.00	4.88160	(15100118)
499746.00	3736491.00	4.75371	(15100118)	499796.00	3736491.00	4.71294	(15100118)
499846.00	3736491.00	4.57917	(15100118)	499896.00	3736491.00	4.53009	(15100118)
499946.00	3736491.00	4.44816	(15100118)	499996.00	3736491.00	4.39034	(15100118)
500196.00	3736491.00	4.04420	(15100118)	500246.00	3736491.00	4.01030	(14110104)
500296.00	3736491.00	3.97990	(14110104)	500346.00	3736491.00	3.91211	(14110104)
500396.00	3736491.00	3.89938	(14110104)	500446.00	3736491.00	3.87988	(14110104)
500496.00	3736491.00	3.85876	(14110104)	499046.00	3736541.00	3.81085	(15012407)
499096.00	3736541.00	3.68554	(15012407)	499146.00	3736541.00	4.18338	(15012407)
499196.00	3736541.00	4.19996	(15012407)	499246.00	3736541.00	5.52306	(15100118)
499296.00	3736541.00	5.37619	(15100118)	499346.00	3736541.00	5.58904	(15100118)
499396.00	3736541.00	5.43203	(15100118)	499446.00	3736541.00	5.38557	(15100118)
499496.00	3736541.00	5.23147	(15100118)	499546.00	3736541.00	5.10742	(15100118)
499596.00	3736541.00	5.02992	(15100118)	499646.00	3736541.00	4.88631	(15100118)
499696.00	3736541.00	4.77005	(15100118)	499746.00	3736541.00	4.68990	(15100118)
499796.00	3736541.00	4.54881	(15100118)	499846.00	3736541.00	4.49081	(15100118)
499896.00	3736541.00	4.42527	(15100118)	499946.00	3736541.00	4.33184	(15100118)
499996.00	3736541.00	4.25968	(15100118)	500196.00	3736541.00	4.03252	(11100518)
500246.00	3736541.00	4.00657	(11100518)	500296.00	3736541.00	3.93046	(11100518)
500346.00	3736541.00	3.90072	(11100518)	500396.00	3736541.00	3.88753	(11031324)
500446.00	3736541.00	3.88144	(11031324)	500496.00	3736541.00	3.82681	(11031324)
496546.00	3736591.00	28.36765	(11010316)	496596.00	3736591.00	26.34623	(11010316)
496646.00	3736591.00	23.15052	(11081419)	496696.00	3736591.00	25.14591	(14100219)
496746.00	3736591.00	27.31635	(16012617)	496796.00	3736591.00	28.65047	(10081521)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
497196.00	3736591.00	32.75276	(15062919)	497246.00	3736591.00	30.96008	(11101717)
497296.00	3736591.00	34.12050	(14012917)	497346.00	3736591.00	39.72477	(10071619)
497396.00	3736591.00	28.14945	(10020417)	497446.00	3736591.00	24.93480	(16050618)
497496.00	3736591.00	24.70048	(16050618)	497546.00	3736591.00	22.47608	(16050618)
497596.00	3736591.00	19.28700	(16050618)	497646.00	3736591.00	16.99172	(15031518)
497696.00	3736591.00	15.63351	(15031518)	497746.00	3736591.00	14.18932	(11111508)
499296.00	3736591.00	5.39191	(15100118)	499346.00	3736591.00	5.57806	(15100118)
499796.00	3736591.00	4.51772	(11100518)	499846.00	3736591.00	4.48460	(11100518)
499896.00	3736591.00	4.39494	(11100518)	499946.00	3736591.00	4.35533	(11100518)
499996.00	3736591.00	4.32087	(11100518)	500046.00	3736591.00	4.23453	(11100518)
500096.00	3736591.00	4.19805	(11100518)	500146.00	3736591.00	4.11071	(11100518)
496546.00	3736641.00	32.87773	(11010316)	496596.00	3736641.00	34.76813	(11010316)
496646.00	3736641.00	32.71466	(11010316)	496696.00	3736641.00	27.67325	(11081419)
496746.00	3736641.00	30.34733	(16012617)	496796.00	3736641.00	32.92041	(16012617)
497246.00	3736641.00	41.51012	(14012917)	497296.00	3736641.00	49.68560	(10071619)
497346.00	3736641.00	48.33053	(14102217)	497396.00	3736641.00	31.67838	(15101717)
497446.00	3736641.00	30.51853	(16050618)	497496.00	3736641.00	27.41829	(16050618)
497546.00	3736641.00	23.74698	(15090718)	497596.00	3736641.00	19.40532	(15031518)
497646.00	3736641.00	17.56748	(15031518)	497696.00	3736641.00	16.08099	(11100617)
497746.00	3736641.00	14.88611	(11100617)	499296.00	3736641.00	5.30342	(15100118)
499346.00	3736641.00	5.26452	(11100518)	499796.00	3736641.00	4.58429	(11100518)
499846.00	3736641.00	4.47695	(11100518)	499896.00	3736641.00	4.43793	(11100518)
499946.00	3736641.00	4.36748	(11100518)	499996.00	3736641.00	4.32558	(11100518)
500046.00	3736641.00	4.24317	(11100518)	500096.00	3736641.00	4.19762	(11100518)
500146.00	3736641.00	4.10367	(11100518)	496546.00	3736691.00	32.65002	(11010316)
496596.00	3736691.00	39.42036	(11010316)	496646.00	3736691.00	43.22922	(11010316)
496696.00	3736691.00	41.41381	(11010316)	496746.00	3736691.00	33.92948	(11081419)
496796.00	3736691.00	37.97841	(16012617)	497246.00	3736691.00	42.46706	(10020417)
497296.00	3736691.00	58.30825	(14102217)	497346.00	3736691.00	52.61161	(16102917)
497396.00	3736691.00	39.41076	(16050618)	497446.00	3736691.00	33.74659	(16050618)

497496.00	3736691.00	27.18967	(16050618)	497546.00	3736691.00	38.30321	(11041519)
497596.00	3736691.00	19.89252	(11100617)	497646.00	3736691.00	18.33135	(11100617)
497696.00	3736691.00	16.64986	(11100617)	497746.00	3736691.00	15.13148	(15041619)
498796.00	3736691.00	4.53079	(15012407)	498846.00	3736691.00	4.36756	(11100518)
499296.00	3736691.00	5.44157	(11100518)	499346.00	3736691.00	5.29055	(11100518)
499796.00	3736691.00	4.57454	(11100518)	499846.00	3736691.00	4.45989	(11100518)
499896.00	3736691.00	4.41114	(11100518)	499946.00	3736691.00	4.31010	(11100518)
499996.00	3736691.00	4.26024	(11100518)	500046.00	3736691.00	4.20626	(15050619)
500096.00	3736691.00	4.15333	(15050619)	500146.00	3736691.00	4.10179	(11123020)
496546.00	3736741.00	27.18566	(11010316)	496596.00	3736741.00	37.73744	(11010316)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
496646.00	3736741.00	48.08918	(11010316)	496696.00	3736741.00	55.31294	(11010316)
496746.00	3736741.00	54.32087	(11010316)	496796.00	3736741.00	43.77232	(11010316)
497246.00	3736741.00	60.95357	(10020417)	497296.00	3736741.00	53.57912	(10020417)
497346.00	3736741.00	51.56370	(16050618)	497396.00	3736741.00	43.21332	(16050618)
497446.00	3736741.00	32.62771	(16050618)	497496.00	3736741.00	26.14046	(15031518)
497546.00	3736741.00	23.36052	(11100617)	497596.00	3736741.00	23.72077	(11100617)
497646.00	3736741.00	18.73525	(15041619)	497696.00	3736741.00	17.25156	(15042919)
497746.00	3736741.00	15.84491	(15042919)	498796.00	3736741.00	4.66057	(11100518)
498846.00	3736741.00	4.49543	(11100518)	499296.00	3736741.00	4.05069	(11100518)
499346.00	3736741.00	5.22468	(11100518)	500096.00	3736741.00	4.22758	(11123020)
500146.00	3736741.00	4.17237	(11123020)	496546.00	3736791.00	25.46451	(15090818)
496596.00	3736791.00	29.20616	(15090818)	496646.00	3736791.00	43.66097	(11010316)
496696.00	3736791.00	60.03888	(11010316)	496746.00	3736791.00	72.81461	(11010316)
496796.00	3736791.00	75.13708	(11010316)	497196.00	3736791.00	82.56387	(10020417)
497246.00	3736791.00	75.22225	(10020417)	497296.00	3736791.00	68.31371	(16050618)
497346.00	3736791.00	55.68506	(16050618)	497396.00	3736791.00	40.12758	(16050618)
497446.00	3736791.00	31.32243	(11100617)	497496.00	3736791.00	27.55729	(11100617)
497546.00	3736791.00	24.10106	(15041619)	497596.00	3736791.00	38.08263	(11040419)
497646.00	3736791.00	19.62461	(15042919)	497696.00	3736791.00	17.69794	(15042919)
497746.00	3736791.00	16.05157	(15111718)	498496.00	3736791.00	6.06830	(11100518)
498546.00	3736791.00	5.80932	(11100518)	498796.00	3736791.00	4.72665	(11100518)
498846.00	3736791.00	4.54554	(11100518)	499296.00	3736791.00	4.02465	(11062522)
499346.00	3736791.00	3.91628	(11062522)	499596.00	3736791.00	4.89688	(11062522)
499646.00	3736791.00	4.78024	(11062522)	499696.00	3736791.00	4.73553	(11062522)
500096.00	3736791.00	4.29571	(11062522)	500146.00	3736791.00	4.22399	(11062522)
500196.00	3736791.00	4.17186	(11062522)	500246.00	3736791.00	4.13519	(11062522)
500296.00	3736791.00	4.09693	(11062522)	500346.00	3736791.00	4.02834	(11062522)
500396.00	3736791.00	3.97717	(11123020)	500446.00	3736791.00	3.96270	(10030219)
500496.00	3736791.00	3.88846	(10030219)	496546.00	3736841.00	27.25086	(15031418)
496596.00	3736841.00	31.03258	(15031418)	496646.00	3736841.00	35.13393	(15090818)
496696.00	3736841.00	49.92888	(11010316)	496746.00	3736841.00	75.54895	(11010316)
496796.00	3736841.00	101.26497	(11010316)	497196.00	3736841.00	112.52999	(10020417)
497246.00	3736841.00	96.97176	(16050618)	497296.00	3736841.00	72.41320	(16050618)
497346.00	3736841.00	51.22007	(11091107)	497396.00	3736841.00	41.07916	(11091107)
497446.00	3736841.00	32.87694	(15042919)	497496.00	3736841.00	28.97653	(15042919)
497546.00	3736841.00	25.40426	(15042919)	497596.00	3736841.00	22.33047	(15111718)
497646.00	3736841.00	19.98699	(15111718)	497696.00	3736841.00	17.92369	(15111718)
497746.00	3736841.00	16.25221	(15012407)	498496.00	3736841.00	6.15351	(11100518)
498546.00	3736841.00	5.86858	(11100518)	498796.00	3736841.00	4.76443	(11062522)
498846.00	3736841.00	4.59338	(11062522)	499296.00	3736841.00	3.94378	(11062522)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499346.00	3736841.00	4.01258	(11062522)	499596.00	3736841.00	4.97985	(11062522)
499646.00	3736841.00	4.85584	(11062522)	499696.00	3736841.00	4.80122	(11062522)
500096.00	3736841.00	4.31345	(11062522)	500146.00	3736841.00	4.27093	(11062522)
500196.00	3736841.00	4.21933	(11062522)	500246.00	3736841.00	4.13850	(11062522)
500296.00	3736841.00	4.09429	(11062522)	500346.00	3736841.00	4.05060	(11062522)

500396.00	3736841.00	3.96664	(11062522)	500446.00	3736841.00	3.95345	(10042820)
500496.00	3736841.00	3.87980	(10042820)	496546.00	3736891.00	27.65870	(10011117)
496596.00	3736891.00	31.99013	(14100722)	496646.00	3736891.00	37.65055	(15031418)
496696.00	3736891.00	44.83949	(15031418)	496746.00	3736891.00	55.98729	(11010316)
496796.00	3736891.00	97.42458	(11010316)	497096.00	3736891.00	213.15114	(14021817)
497146.00	3736891.00	188.57557	(10020417)	497196.00	3736891.00	147.14852	(16050618)
497246.00	3736891.00	100.23400	(16050618)	497296.00	3736891.00	73.49165	(11091107)
497346.00	3736891.00	55.52581	(11091107)	497396.00	3736891.00	41.22519	(11091107)
497446.00	3736891.00	34.53832	(14100418)	497496.00	3736891.00	29.71014	(15111718)
497546.00	3736891.00	25.70961	(15111718)	497596.00	3736891.00	22.83735	(15012407)
497646.00	3736891.00	20.39818	(15012407)	497696.00	3736891.00	18.29413	(15012407)
497746.00	3736891.00	16.48229	(15012407)	498496.00	3736891.00	6.27235	(11062522)
498546.00	3736891.00	5.99534	(11062522)	498746.00	3736891.00	5.06275	(11062522)
498796.00	3736891.00	4.86591	(11062522)	498846.00	3736891.00	4.68194	(11062522)
499296.00	3736891.00	3.43276	(11062522)	499346.00	3736891.00	4.04528	(11062522)
499596.00	3736891.00	4.97474	(11062522)	499646.00	3736891.00	4.88064	(11062522)
499696.00	3736891.00	4.78492	(11062522)	499746.00	3736891.00	4.73013	(11062522)
499796.00	3736891.00	4.61271	(11062522)	499846.00	3736891.00	4.56805	(11062522)
499896.00	3736891.00	4.41552	(11062522)	499946.00	3736891.00	4.49072	(11062522)
499996.00	3736891.00	4.40740	(10030218)	500046.00	3736891.00	4.35298	(10030218)
500096.00	3736891.00	4.29523	(10030218)	500146.00	3736891.00	4.27114	(10030218)
500196.00	3736891.00	4.24764	(10030218)	500246.00	3736891.00	4.20751	(10030218)
500296.00	3736891.00	4.13200	(10030218)	500346.00	3736891.00	4.10568	(10030218)
500396.00	3736891.00	4.02281	(10030218)	500446.00	3736891.00	3.99482	(10030218)
500496.00	3736891.00	3.94453	(10030218)	496546.00	3736941.00	28.94442	(10110218)
496596.00	3736941.00	33.20552	(10110218)	496646.00	3736941.00	38.40576	(10110218)
496696.00	3736941.00	46.18971	(10011117)	496746.00	3736941.00	57.00551	(14100722)
496796.00	3736941.00	73.10256	(15031418)	497096.00	3736941.00	404.56331	(10020417)
497146.00	3736941.00	270.29500	(16050618)	497196.00	3736941.00	169.18985	(11091107)
497246.00	3736941.00	111.24247	(11091107)	497296.00	3736941.00	74.72721	(11091107)
497346.00	3736941.00	51.59431	(11091107)	497396.00	3736941.00	42.22030	(15012407)
497446.00	3736941.00	35.57518	(15012407)	497496.00	3736941.00	30.32574	(15012407)
497546.00	3736941.00	26.34267	(11100518)	497596.00	3736941.00	23.33433	(11100518)
497646.00	3736941.00	20.83335	(11100518)	497696.00	3736941.00	18.72709	(11100518)
497746.00	3736941.00	16.94188	(11100518)	498746.00	3736941.00	5.07897	(11062522)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
498796.00	3736941.00	4.87440	(11062522)	498846.00	3736941.00	4.68382	(11062522)
499596.00	3736941.00	4.88131	(11062522)	499646.00	3736941.00	4.78475	(11062522)
499696.00	3736941.00	4.68912	(10030218)	499746.00	3736941.00	4.66129	(10030218)
499796.00	3736941.00	4.55040	(10030218)	499846.00	3736941.00	4.52705	(10030218)
499896.00	3736941.00	4.37840	(10030218)	499946.00	3736941.00	4.50131	(10030218)
499996.00	3736941.00	4.43925	(10030218)	500046.00	3736941.00	4.41098	(10030218)
500096.00	3736941.00	4.35627	(10030218)	500146.00	3736941.00	4.29128	(10030218)
500196.00	3736941.00	4.26512	(10030218)	500246.00	3736941.00	4.23440	(10030218)
500296.00	3736941.00	4.14401	(10030218)	500346.00	3736941.00	4.11529	(10030218)
500396.00	3736941.00	4.02994	(10030218)	500446.00	3736941.00	3.99973	(10030218)
500496.00	3736941.00	3.93407	(10030218)	496546.00	3736991.00	29.00865	(10110218)
496596.00	3736991.00	33.98534	(10110218)	498696.00	3736991.00	5.21144	(11062522)
498746.00	3736991.00	4.99297	(11062522)	498796.00	3736991.00	4.78869	(11062522)
498846.00	3736991.00	4.59869	(11062522)	498896.00	3736991.00	4.42034	(11062522)
499696.00	3736991.00	4.65710	(10030218)	496546.00	3737041.00	31.73274	(11051403)
496596.00	3737041.00	33.03381	(11051403)	498696.00	3737041.00	5.01937	(11062522)
498746.00	3737041.00	4.80959	(11062522)	498796.00	3737041.00	4.61345	(11062522)
498846.00	3737041.00	4.43104	(11062522)	498896.00	3737041.00	4.26012	(11062522)
499696.00	3737041.00	4.54397	(10030218)	496546.00	3737091.00	43.21881	(11061305)
496596.00	3737091.00	30.97772	(11120524)	498746.00	3737091.00	4.70218	(14013117)
498796.00	3737091.00	4.49918	(14013117)	498846.00	3737091.00	4.31007	(14013117)
498896.00	3737091.00	4.13374	(14013117)	499696.00	3737091.00	4.39627	(10101607)
496546.00	3737141.00	50.93793	(10052121)	496596.00	3737141.00	53.01077	(10052121)
499696.00	3737141.00	4.35582	(15121924)	499396.00	3737191.00	3.12597	(14013117)
499446.00	3737191.00	3.58319	(14013117)	499496.00	3737191.00	3.52550	(14013117)
499546.00	3737191.00	4.48333	(15121924)	499596.00	3737191.00	4.62943	(15121924)
499646.00	3737191.00	4.54073	(15121924)	499696.00	3737191.00	4.50670	(15121924)
499396.00	3737241.00	3.20485	(14013117)	499446.00	3737241.00	3.70879	(14013117)
499496.00	3737241.00	3.59442	(14013117)	499546.00	3737241.00	4.63753	(14013117)
499596.00	3737241.00	4.70406	(14013117)	499646.00	3737241.00	4.60981	(15121924)
499696.00	3737241.00	4.58173	(15121924)	499396.00	3737291.00	3.24336	(14013117)
499446.00	3737291.00	3.78073	(14013117)	499496.00	3737291.00	3.66869	(14013117)
499546.00	3737291.00	4.75555	(14013117)	499596.00	3737291.00	4.62296	(14013117)
499646.00	3737291.00	4.72379	(14013117)	499696.00	3737291.00	4.64662	(14013117)
499396.00	3737341.00	3.24033	(14013117)	499446.00	3737341.00	3.62766	(14013117)
499496.00	3737341.00	3.68948	(14013117)	499546.00	3737341.00	4.79162	(14013117)
499596.00	3737341.00	4.66226	(14013117)	499646.00	3737341.00	4.77585	(14013117)

499696.00	3737341.00	4.64997	(14013117)	498945.00	3736941.00	4.34042	(11062522)
498995.00	3736943.00	4.18024	(11062522)	498945.00	3736894.00	4.35062	(11062522)
498995.00	3736897.00	4.19717	(11062522)				

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499046.00	3736191.00	4.03294	(15042919)	499096.00	3736191.00	5.51052	(15042919)
499146.00	3736191.00	6.05460	(15042919)	499196.00	3736191.00	5.87506	(15042919)
499246.00	3736191.00	5.99421	(15042919)	499296.00	3736191.00	5.78929	(15042919)
499346.00	3736191.00	5.69223	(14100418)	499396.00	3736191.00	5.52789	(10030518)
499446.00	3736191.00	5.44732	(10030518)	499496.00	3736191.00	5.33816	(15111718)
499546.00	3736191.00	5.29781	(15111718)	499596.00	3736191.00	5.13175	(15111718)
499646.00	3736191.00	5.04481	(15111718)	499696.00	3736191.00	4.98854	(15111718)
499746.00	3736191.00	4.84610	(15111718)	499796.00	3736191.00	4.76850	(15111718)
499846.00	3736191.00	4.68649	(15111718)	499896.00	3736191.00	4.58720	(15121117)
499946.00	3736191.00	4.49026	(15121117)	499996.00	3736191.00	4.44099	(15121117)
500046.00	3736191.00	4.41451	(15052222)	500096.00	3736191.00	4.32620	(15121107)
500146.00	3736191.00	4.31753	(15121107)	500196.00	3736191.00	4.27327	(15121107)
500246.00	3736191.00	4.22496	(15121107)	500296.00	3736191.00	4.19742	(15121107)
500346.00	3736191.00	4.18714	(16110721)	500396.00	3736191.00	4.18333	(16110721)
500446.00	3736191.00	4.11539	(16110721)	500496.00	3736191.00	4.10511	(16110721)
499046.00	3736241.00	4.11264	(15042919)	499096.00	3736241.00	5.59119	(15042919)
499146.00	3736241.00	6.04437	(15042919)	499196.00	3736241.00	5.86908	(14100418)
499246.00	3736241.00	5.98243	(10030518)	499296.00	3736241.00	5.80195	(10030518)
499346.00	3736241.00	5.75100	(15111718)	499396.00	3736241.00	5.61883	(15111718)
499446.00	3736241.00	5.54845	(15111718)	499496.00	3736241.00	5.41829	(15111718)
499546.00	3736241.00	5.34424	(15111718)	499596.00	3736241.00	5.11401	(15111718)
499646.00	3736241.00	5.03023	(15111718)	499696.00	3736241.00	4.87137	(15111718)
499746.00	3736241.00	4.82252	(15121117)	499796.00	3736241.00	4.72595	(15121117)
499846.00	3736241.00	4.67932	(15121117)	499896.00	3736241.00	4.58200	(15121117)
499946.00	3736241.00	4.53124	(15121107)	499996.00	3736241.00	4.51269	(15121107)
500046.00	3736241.00	4.44045	(15121107)	500096.00	3736241.00	4.39820	(15121107)
500146.00	3736241.00	4.37076	(15121107)	500196.00	3736241.00	4.30572	(15121107)
500246.00	3736241.00	4.25877	(16110721)	500296.00	3736241.00	4.25595	(16110721)
500346.00	3736241.00	4.24378	(16110721)	500396.00	3736241.00	4.17761	(16110721)
500446.00	3736241.00	4.13847	(16110721)	500496.00	3736241.00	4.11256	(15100118)
499046.00	3736291.00	4.13713	(15042919)	499096.00	3736291.00	5.58632	(14100418)
499146.00	3736291.00	5.88171	(10030518)	499196.00	3736291.00	5.90488	(15111718)
499246.00	3736291.00	6.03870	(15111718)	499296.00	3736291.00	5.92357	(15111718)
499346.00	3736291.00	5.78505	(15111718)	499396.00	3736291.00	5.67485	(15111718)
499446.00	3736291.00	5.49948	(15111718)	499496.00	3736291.00	5.40408	(15111718)
499546.00	3736291.00	5.22339	(15111718)	499596.00	3736291.00	5.09046	(15121117)
499646.00	3736291.00	5.03095	(15121117)	499696.00	3736291.00	4.89519	(15121117)
499746.00	3736291.00	4.82857	(15121117)	499796.00	3736291.00	4.71576	(15121107)
499846.00	3736291.00	4.69732	(15121107)	499896.00	3736291.00	4.67814	(15121107)
499946.00	3736291.00	4.58297	(15121107)	499996.00	3736291.00	4.54684	(15121107)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
500046.00	3736291.00	4.44249	(15121107)	500096.00	3736291.00	4.40094	(15121107)
500146.00	3736291.00	4.37000	(15100118)	500196.00	3736291.00	4.34055	(15100118)
500246.00	3736291.00	4.33724	(15100118)	500296.00	3736291.00	4.33048	(15100118)
500346.00	3736291.00	4.29220	(15100118)	500396.00	3736291.00	4.24789	(15100118)
500446.00	3736291.00	4.22995	(15100118)	500496.00	3736291.00	4.20646	(15100118)
499046.00	3736341.00	4.12946	(14100418)	499096.00	3736341.00	5.63797	(15111718)
499146.00	3736341.00	5.48309	(15111718)	499196.00	3736341.00	6.01833	(15111718)
499246.00	3736341.00	5.83104	(15111718)	499296.00	3736341.00	5.94967	(15111718)
499346.00	3736341.00	5.74595	(15111718)	499396.00	3736341.00	5.61405	(15121117)
499446.00	3736341.00	5.47629	(15121117)	499496.00	3736341.00	5.40534	(15121117)
499546.00	3736341.00	5.24792	(15121117)	499596.00	3736341.00	5.09032	(15121117)
499646.00	3736341.00	4.99320	(15121107)	499696.00	3736341.00	4.92567	(15012407)

499746.00	3736341.00	4.89583	(15012407)	499796.00	3736341.00	4.79472	(15012407)
499846.00	3736341.00	4.75945	(15012407)	499896.00	3736341.00	4.72597	(15012407)
499946.00	3736341.00	4.59724	(15100118)	499996.00	3736341.00	4.61676	(15100118)
500046.00	3736341.00	4.56420	(15100118)	500096.00	3736341.00	4.55372	(15100118)
500146.00	3736341.00	4.47763	(15100118)	500196.00	3736341.00	4.46621	(15100118)
500246.00	3736341.00	4.44693	(15100118)	500296.00	3736341.00	4.39743	(15100118)
500346.00	3736341.00	4.34002	(15100118)	500396.00	3736341.00	4.30976	(15100118)
500446.00	3736341.00	4.27733	(15100118)	500496.00	3736341.00	4.19237	(15100118)
499046.00	3736391.00	4.18734	(15111718)	499096.00	3736391.00	5.50265	(15111718)
499146.00	3736391.00	5.52771	(15111718)	499196.00	3736391.00	5.88021	(15111718)
499246.00	3736391.00	5.78807	(15111718)	499296.00	3736391.00	5.70995	(15121117)
499346.00	3736391.00	5.74573	(15121117)	499396.00	3736391.00	5.56461	(15121117)
499446.00	3736391.00	5.46736	(15121117)	499496.00	3736391.00	5.34493	(15012407)
499546.00	3736391.00	5.31043	(15012407)	499596.00	3736391.00	5.19184	(15012407)
499646.00	3736391.00	5.14605	(15012407)	499696.00	3736391.00	5.07632	(15012407)
499746.00	3736391.00	4.97344	(15100118)	499796.00	3736391.00	4.88449	(15100118)
499846.00	3736391.00	4.87931	(15100118)	499896.00	3736391.00	4.78066	(15100118)
499946.00	3736391.00	4.71841	(15100118)	499996.00	3736391.00	4.70618	(15100118)
500046.00	3736391.00	4.67465	(15100118)	500096.00	3736391.00	4.59344	(15100118)
500146.00	3736391.00	4.55180	(15100118)	500196.00	3736391.00	4.52422	(15100118)
500246.00	3736391.00	4.46002	(15100118)	500296.00	3736391.00	4.39016	(15100118)
500346.00	3736391.00	4.35156	(15100118)	500396.00	3736391.00	4.30529	(15100118)
500446.00	3736391.00	4.20997	(15100118)	500496.00	3736391.00	4.16191	(15100118)
499046.00	3736441.00	4.20289	(15111718)	499096.00	3736441.00	4.04248	(15111718)
499146.00	3736441.00	5.49334	(15121117)	499196.00	3736441.00	5.31457	(15121117)
499246.00	3736441.00	5.80332	(15121117)	499296.00	3736441.00	5.62611	(15012407)
499346.00	3736441.00	5.80265	(15012407)	499396.00	3736441.00	5.66162	(15012407)
499446.00	3736441.00	5.60504	(15012407)	499496.00	3736441.00	5.46039	(15012407)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499546.00	3736441.00	5.39873	(15012407)	499596.00	3736441.00	5.26802	(15100118)
499646.00	3736441.00	5.25699	(15100118)	499696.00	3736441.00	5.14831	(15100118)
499746.00	3736441.00	5.09342	(15100118)	499796.00	3736441.00	5.01515	(15100118)
499846.00	3736441.00	4.98702	(15100118)	499896.00	3736441.00	4.86863	(15100118)
499946.00	3736441.00	4.79472	(15100118)	499996.00	3736441.00	4.75132	(15100118)
500046.00	3736441.00	4.71003	(15100118)	500096.00	3736441.00	4.59690	(15100118)
500146.00	3736441.00	4.55399	(15100118)	500196.00	3736441.00	4.48018	(15100118)
500246.00	3736441.00	4.39881	(15100118)	500296.00	3736441.00	4.34874	(15100118)
500346.00	3736441.00	4.28003	(15100118)	500396.00	3736441.00	4.18699	(15100118)
500446.00	3736441.00	4.13011	(15100118)	500496.00	3736441.00	4.11131	(14110104)
499046.00	3736491.00	4.17210	(15121117)	499096.00	3736491.00	4.03248	(15012407)
499146.00	3736491.00	5.52810	(15012407)	499196.00	3736491.00	5.38405	(15012407)
499246.00	3736491.00	5.92833	(15012407)	499296.00	3736491.00	5.76195	(15012407)
499346.00	3736491.00	5.88939	(15012407)	499396.00	3736491.00	5.73374	(15012407)
499446.00	3736491.00	5.69836	(15100118)	499496.00	3736491.00	5.56642	(15100118)
499546.00	3736491.00	5.54244	(15100118)	499596.00	3736491.00	5.40848	(15100118)
499646.00	3736491.00	5.34439	(15100118)	499696.00	3736491.00	5.23937	(15100118)
499746.00	3736491.00	5.10634	(15100118)	499796.00	3736491.00	5.06520	(15100118)
499846.00	3736491.00	4.92473	(15100118)	499896.00	3736491.00	4.87408	(15100118)
499946.00	3736491.00	4.78809	(15100118)	499996.00	3736491.00	4.72766	(15100118)
500196.00	3736491.00	4.35988	(15100118)	500246.00	3736491.00	4.30332	(15100118)
500296.00	3736491.00	4.23286	(14110104)	500346.00	3736491.00	4.16179	(14110104)
500396.00	3736491.00	4.14798	(14110104)	500446.00	3736491.00	4.12719	(14110104)
500496.00	3736491.00	4.10476	(14110104)	499046.00	3736541.00	4.25679	(15012407)
499096.00	3736541.00	4.12026	(15012407)	499146.00	3736541.00	5.47247	(15012407)
499196.00	3736541.00	5.46998	(15012407)	499246.00	3736541.00	5.98260	(15012407)
499296.00	3736541.00	5.78715	(15012407)	499346.00	3736541.00	6.02808	(15100118)
499396.00	3736541.00	5.86504	(15100118)	499446.00	3736541.00	5.81823	(15100118)
499496.00	3736541.00	5.65639	(15100118)	499546.00	3736541.00	5.52575	(15100118)
499596.00	3736541.00	5.44429	(15100118)	499646.00	3736541.00	5.29153	(15100118)
499696.00	3736541.00	5.16758	(15100118)	499746.00	3736541.00	5.08212	(15100118)
499796.00	3736541.00	4.93063	(15100118)	499846.00	3736541.00	4.86858	(15100118)
499896.00	3736541.00	4.79829	(15100118)	499946.00	3736541.00	4.69761	(15100118)
499996.00	3736541.00	4.61990	(15100118)	500196.00	3736541.00	4.26472	(14110104)
500246.00	3736541.00	4.25026	(14110104)	500296.00	3736541.00	4.14728	(14110104)
500346.00	3736541.00	4.12455	(14110104)	500396.00	3736541.00	4.10203	(11031324)
500446.00	3736541.00	4.09471	(11031324)	500496.00	3736541.00	4.03737	(11031324)
496546.00	3736591.00	22.78004	(11010316)	496596.00	3736591.00	26.33150	(11010316)
496646.00	3736591.00	28.09602	(11010316)	496696.00	3736591.00	27.36191	(11010316)
496746.00	3736591.00	23.65470	(11010316)	496796.00	3736591.00	24.20786	(14100219)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
497196.00	3736591.00	35.37789	(11102417)	497246.00	3736591.00	34.61225	(10101407)
497296.00	3736591.00	45.76263	(15062919)	497346.00	3736591.00	46.03183	(16072419)
497396.00	3736591.00	29.93509	(14012917)	497446.00	3736591.00	28.09641	(10071619)
497496.00	3736591.00	28.54218	(10020417)	497546.00	3736591.00	25.47447	(10020417)
497596.00	3736591.00	24.61258	(16050618)	497646.00	3736591.00	23.08633	(16050618)
497696.00	3736591.00	20.62943	(16050618)	497746.00	3736591.00	17.64210	(15090718)
499296.00	3736591.00	5.87027	(15100118)	499346.00	3736591.00	6.08517	(15100118)
499796.00	3736591.00	4.80565	(15100118)	499846.00	3736591.00	4.75003	(11100518)
499896.00	3736591.00	4.65581	(11100518)	499946.00	3736591.00	4.61336	(11100518)
499996.00	3736591.00	4.57624	(11100518)	500046.00	3736591.00	4.48510	(11100518)
500096.00	3736591.00	4.44578	(11100518)	500146.00	3736591.00	4.35341	(11100518)
496546.00	3736641.00	20.17900	(11010316)	496596.00	3736641.00	25.84954	(11010316)
496646.00	3736641.00	30.96754	(11010316)	496696.00	3736641.00	34.19125	(11010316)
496746.00	3736641.00	33.94224	(11010316)	496796.00	3736641.00	29.37043	(11010316)
497246.00	3736641.00	55.57432	(16102717)	497296.00	3736641.00	57.92757	(15062919)
497346.00	3736641.00	57.50184	(15081521)	497396.00	3736641.00	45.23728	(14101817)
497446.00	3736641.00	35.69151	(10020417)	497496.00	3736641.00	32.64082	(10020417)
497546.00	3736641.00	32.36760	(16081320)	497596.00	3736641.00	28.94919	(16050618)
497646.00	3736641.00	24.68192	(16050618)	497696.00	3736641.00	20.20143	(15090718)
497746.00	3736641.00	18.38908	(15031518)	499296.00	3736641.00	5.83209	(15100118)
499346.00	3736641.00	5.83935	(15100118)	499796.00	3736641.00	4.89140	(11100518)
499846.00	3736641.00	4.77625	(11100518)	499896.00	3736641.00	4.73286	(11100518)
499946.00	3736641.00	4.65646	(11100518)	499996.00	3736641.00	4.61014	(11100518)
500046.00	3736641.00	4.52120	(11100518)	500096.00	3736641.00	4.47111	(11100518)
500146.00	3736641.00	4.37003	(11100518)	496546.00	3736691.00	18.31665	(15090818)
496596.00	3736691.00	21.74112	(11010316)	496646.00	3736691.00	29.21245	(11010316)
496696.00	3736691.00	36.46866	(11010316)	496746.00	3736691.00	42.01460	(11010316)
496796.00	3736691.00	42.68468	(11010316)	497246.00	3736691.00	56.71080	(14090307)
497296.00	3736691.00	71.12916	(10071620)	497346.00	3736691.00	66.24593	(11101817)
497396.00	3736691.00	45.81953	(10020417)	497446.00	3736691.00	42.68225	(10020417)
497496.00	3736691.00	39.05141	(16050618)	497546.00	3736691.00	49.30219	(16102117)
497596.00	3736691.00	30.61849	(16050618)	497646.00	3736691.00	23.52038	(16050618)
497696.00	3736691.00	20.99092	(15031518)	497746.00	3736691.00	19.03620	(11100617)
498796.00	3736691.00	5.06768	(15012407)	498846.00	3736691.00	4.83905	(15012407)
499296.00	3736691.00	5.86094	(11100518)	499346.00	3736691.00	5.69715	(11100518)
499796.00	3736691.00	4.91118	(11100518)	499846.00	3736691.00	4.78601	(11100518)
499896.00	3736691.00	4.73099	(11100518)	499946.00	3736691.00	4.62048	(11100518)
499996.00	3736691.00	4.56454	(11100518)	500046.00	3736691.00	4.48474	(11100518)
500096.00	3736691.00	4.40844	(15050619)	500146.00	3736691.00	4.35169	(10110123)
496546.00	3736741.00	18.87687	(15031418)	496596.00	3736741.00	20.93596	(15090818)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
496646.00	3736741.00	23.36328	(15090818)	496696.00	3736741.00	33.01849	(11010316)
496746.00	3736741.00	43.51186	(11010316)	496796.00	3736741.00	52.43710	(11010316)
497246.00	3736741.00	73.89562	(14090307)	497296.00	3736741.00	63.58441	(14021817)
497346.00	3736741.00	61.17702	(10071619)	497396.00	3736741.00	58.48326	(10020417)
497446.00	3736741.00	51.16097	(16050618)	497496.00	3736741.00	46.23557	(16050618)
497546.00	3736741.00	37.13713	(16050618)	497596.00	3736741.00	37.00902	(15031518)
497646.00	3736741.00	24.37823	(11100617)	497696.00	3736741.00	22.01682	(11100617)
497746.00	3736741.00	19.61345	(11100617)	498796.00	3736741.00	5.09405	(11100518)
498846.00	3736741.00	4.90806	(11100518)	499296.00	3736741.00	5.25865	(11100518)
499346.00	3736741.00	5.63107	(11100518)	500096.00	3736741.00	4.48825	(11123020)
500146.00	3736741.00	4.42710	(11123020)	496546.00	3736791.00	19.94078	(15031418)
496596.00	3736791.00	22.11215	(15031418)	496646.00	3736791.00	24.36087	(15031418)
496696.00	3736791.00	27.52961	(15090818)	496746.00	3736791.00	37.00218	(11010316)
496796.00	3736791.00	52.75607	(11010316)	497196.00	3736791.00	93.94039	(14090307)
497246.00	3736791.00	94.28723	(14090307)	497296.00	3736791.00	78.85430	(14021817)
497346.00	3736791.00	82.55914	(10020417)	497396.00	3736791.00	71.82868	(16050618)
497446.00	3736791.00	60.63605	(16050618)	497496.00	3736791.00	46.21583	(16050618)
497546.00	3736791.00	33.26567	(15031518)	497596.00	3736791.00	49.45411	(10082124)
497646.00	3736791.00	25.36922	(11100617)	497696.00	3736791.00	22.79726	(15042919)

497746.00	3736791.00	20.61012	(15042919)	498496.00	3736791.00	6.76507	(11100518)
498546.00	3736791.00	6.46432	(11100518)	498796.00	3736791.00	5.21192	(11100518)
498846.00	3736791.00	5.00350	(11100518)	499296.00	3736791.00	5.23494	(11100518)
499346.00	3736791.00	5.05938	(11100518)	499596.00	3736791.00	5.23547	(11062522)
499646.00	3736791.00	5.10709	(11062522)	499696.00	3736791.00	5.05417	(11062522)
500096.00	3736791.00	4.55537	(11123020)	500146.00	3736791.00	4.47604	(11123020)
500196.00	3736791.00	4.42209	(11123020)	500246.00	3736791.00	4.38766	(11123020)
500296.00	3736791.00	4.35084	(11123020)	500346.00	3736791.00	4.27356	(11123020)
500396.00	3736791.00	4.21888	(11123020)	500446.00	3736791.00	4.19290	(10030219)
500496.00	3736791.00	4.11228	(10030219)	496546.00	3736841.00	20.21515	(14100722)
496596.00	3736841.00	22.57272	(14100722)	496646.00	3736841.00	25.71993	(15031418)
496696.00	3736841.00	29.30994	(15031418)	496746.00	3736841.00	33.20693	(15031418)
496796.00	3736841.00	40.90376	(11010316)	497196.00	3736841.00	146.98347	(14090307)
497246.00	3736841.00	129.45332	(14021817)	497296.00	3736841.00	121.02568	(10020417)
497346.00	3736841.00	104.75659	(16050618)	497396.00	3736841.00	84.49059	(16050618)
497446.00	3736841.00	59.24743	(16050618)	497496.00	3736841.00	45.26773	(11091107)
497546.00	3736841.00	36.06324	(11091107)	497596.00	3736841.00	30.57921	(15042919)
497646.00	3736841.00	26.88218	(15042919)	497696.00	3736841.00	23.59936	(15042919)
497746.00	3736841.00	20.99288	(15111718)	498496.00	3736841.00	6.93921	(11100518)
498546.00	3736841.00	6.59917	(11100518)	498796.00	3736841.00	5.22385	(11100518)
498846.00	3736841.00	5.02378	(11062522)	499296.00	3736841.00	5.03781	(11062522)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499346.00	3736841.00	5.17262	(11062522)	499596.00	3736841.00	5.35067	(11062522)
499646.00	3736841.00	5.21235	(11062522)	499696.00	3736841.00	5.14764	(11062522)
500096.00	3736841.00	4.58903	(11062522)	500146.00	3736841.00	4.53948	(11062522)
500196.00	3736841.00	4.48023	(11062522)	500246.00	3736841.00	4.39110	(11062522)
500296.00	3736841.00	4.34011	(11062522)	500346.00	3736841.00	4.29980	(10030219)
500396.00	3736841.00	4.20808	(10030219)	500446.00	3736841.00	4.18839	(10030219)
500496.00	3736841.00	4.10340	(10030219)	496546.00	3736891.00	20.38965	(10110218)
496596.00	3736891.00	22.92489	(10011117)	496646.00	3736891.00	26.09765	(10011117)
496696.00	3736891.00	29.99805	(14100722)	496746.00	3736891.00	34.89550	(15031418)
496796.00	3736891.00	41.49734	(15031418)	497096.00	3736891.00	198.33497	(15051418)
497146.00	3736891.00	200.34839	(14111116)	497196.00	3736891.00	240.56728	(14090307)
497246.00	3736891.00	197.57526	(10020417)	497296.00	3736891.00	164.12289	(16050618)
497346.00	3736891.00	125.48239	(16050618)	497396.00	3736891.00	83.86388	(11091107)
497446.00	3736891.00	63.27516	(11091107)	497496.00	3736891.00	47.07059	(11091107)
497546.00	3736891.00	37.25815	(15042919)	497596.00	3736891.00	31.63702	(15111718)
497646.00	3736891.00	27.36611	(15111718)	497696.00	3736891.00	23.99997	(15012407)
497746.00	3736891.00	21.42434	(15012407)	498496.00	3736891.00	7.03731	(11062522)
498546.00	3736891.00	6.70462	(11062522)	498746.00	3736891.00	5.59695	(11062522)
498796.00	3736891.00	5.36569	(11062522)	498846.00	3736891.00	5.15047	(11062522)
499296.00	3736891.00	3.82687	(11062522)	499346.00	3736891.00	5.23684	(11062522)
499596.00	3736891.00	5.36451	(11062522)	499646.00	3736891.00	5.25638	(11062522)
499696.00	3736891.00	5.14709	(11062522)	499746.00	3736891.00	5.08173	(11062522)
499796.00	3736891.00	4.95041	(11062522)	499846.00	3736891.00	4.89664	(11062522)
499896.00	3736891.00	4.72902	(11062522)	499946.00	3736891.00	4.80283	(11062522)
499996.00	3736891.00	4.70885	(11062522)	500046.00	3736891.00	4.63147	(10030218)
500096.00	3736891.00	4.56579	(10030218)	500146.00	3736891.00	4.53518	(10030218)
500196.00	3736891.00	4.50479	(10030218)	500246.00	3736891.00	4.45760	(10030218)
500296.00	3736891.00	4.37424	(10030218)	500346.00	3736891.00	4.34191	(10030218)
500396.00	3736891.00	4.25148	(10030218)	500446.00	3736891.00	4.21795	(10030218)
500496.00	3736891.00	4.16162	(10030218)	496546.00	3736941.00	21.54963	(10110218)
496596.00	3736941.00	24.21677	(10110218)	496646.00	3736941.00	27.39042	(10110218)
496696.00	3736941.00	31.22985	(10110218)	496746.00	3736941.00	35.90054	(10110218)
496796.00	3736941.00	42.39437	(10011117)	497096.00	3736941.00	358.51324	(11010316)
497146.00	3736941.00	397.92342	(14111116)	497196.00	3736941.00	432.07162	(14090307)
497246.00	3736941.00	327.88349	(16050618)	497296.00	3736941.00	202.05621	(11091107)
497346.00	3736941.00	136.09050	(11091107)	497396.00	3736941.00	89.89079	(11091107)
497446.00	3736941.00	61.12872	(11091107)	497496.00	3736941.00	45.67974	(15111718)
497546.00	3736941.00	38.24805	(15012407)	497596.00	3736941.00	32.46470	(15012407)
497646.00	3736941.00	27.86542	(15012407)	497696.00	3736941.00	24.55066	(11100518)
497746.00	3736941.00	21.86758	(11100518)	498746.00	3736941.00	5.64073	(11062522)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
498796.00	3736941.00	5.39797	(11062522)	498846.00	3736941.00	5.17292	(11062522)
499596.00	3736941.00	5.27557	(11062522)	499646.00	3736941.00	5.16410	(11062522)
499696.00	3736941.00	5.05199	(11062522)	499746.00	3736941.00	5.00674	(10030218)
499796.00	3736941.00	4.88224	(10030218)	499846.00	3736941.00	4.85060	(10030218)
499896.00	3736941.00	4.68726	(10030218)	499946.00	3736941.00	4.81039	(10030218)
499996.00	3736941.00	4.73896	(10030218)	500046.00	3736941.00	4.70338	(10030218)
500096.00	3736941.00	4.64018	(10030218)	500146.00	3736941.00	4.56630	(10030218)
500196.00	3736941.00	4.53272	(10030218)	500246.00	3736941.00	4.49482	(10030218)
500296.00	3736941.00	4.39548	(10030218)	500346.00	3736941.00	4.36030	(10030218)
500396.00	3736941.00	4.26676	(10030218)	500446.00	3736941.00	4.23061	(10030218)
500496.00	3736941.00	4.15798	(10030218)	496546.00	3736991.00	20.97578	(10110218)
496596.00	3736991.00	23.85043	(10110218)	498696.00	3736991.00	5.82066	(11062522)
498746.00	3736991.00	5.55865	(11062522)	498796.00	3736991.00	5.31489	(11062522)
498846.00	3736991.00	5.08936	(11062522)	498896.00	3736991.00	4.87862	(11062522)
499696.00	3736991.00	5.01727	(10030218)	496546.00	3737041.00	26.78085	(15012517)
496596.00	3737041.00	23.51648	(11051403)	498696.00	3737041.00	5.60758	(11062522)
498746.00	3737041.00	5.35563	(11062522)	498796.00	3737041.00	5.12129	(11062522)
498846.00	3737041.00	4.90451	(11062522)	498896.00	3737041.00	4.70235	(11062522)
499696.00	3737041.00	4.89647	(10030218)	496546.00	3737091.00	32.67661	(10093021)
496596.00	3737091.00	22.31255	(11120524)	498746.00	3737091.00	5.25624	(14013117)
498796.00	3737091.00	5.01351	(14013117)	498846.00	3737091.00	4.78854	(14013117)
498896.00	3737091.00	4.57980	(14013117)	499696.00	3737091.00	4.74411	(10101607)
496546.00	3737141.00	38.34385	(10052321)	496596.00	3737141.00	38.99603	(10052121)
499696.00	3737141.00	4.70773	(15121924)	499396.00	3737191.00	3.47588	(14013117)
499446.00	3737191.00	4.59610	(14013117)	499496.00	3737191.00	4.60536	(14013117)
499546.00	3737191.00	4.85820	(15121924)	499596.00	3737191.00	5.01304	(15121924)
499646.00	3737191.00	4.91027	(15121924)	499696.00	3737191.00	4.86623	(15121924)
499396.00	3737241.00	3.56330	(14013117)	499446.00	3737241.00	4.77008	(14013117)
499496.00	3737241.00	4.61606	(14013117)	499546.00	3737241.00	5.02867	(14013117)
499596.00	3737241.00	5.09827	(14013117)	499646.00	3737241.00	4.97325	(15121924)
499696.00	3737241.00	4.93619	(15121924)	499396.00	3737291.00	3.60088	(14013117)
499446.00	3737291.00	4.85897	(14013117)	499496.00	3737291.00	4.70979	(14013117)
499546.00	3737291.00	5.14090	(14013117)	499596.00	3737291.00	4.99250	(14013117)
499646.00	3737291.00	5.09873	(14013117)	499696.00	3737291.00	5.01007	(14013117)
499396.00	3737341.00	3.58711	(14013117)	499446.00	3737341.00	4.46547	(14013117)
499496.00	3737341.00	4.71940	(14013117)	499546.00	3737341.00	5.15722	(14013117)
499596.00	3737341.00	5.01432	(14013117)	499646.00	3737341.00	5.13364	(14013117)
499696.00	3737341.00	4.99483	(14013117)	498945.00	3736941.00	4.76991	(11062522)
498995.00	3736943.00	4.58361	(11062522)	498945.00	3736894.00	4.76597	(11062522)
498995.00	3736897.00	4.58918	(11062522)				

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499046.00	3736191.00	4.27968	(15041619)	499096.00	3736191.00	4.19745	(15041619)
499146.00	3736191.00	5.28068	(15042919)	499196.00	3736191.00	5.16107	(15042919)
499246.00	3736191.00	6.04467	(15042919)	499296.00	3736191.00	5.87890	(15042919)
499346.00	3736191.00	6.08446	(15042919)	499396.00	3736191.00	5.88640	(15042919)
499446.00	3736191.00	5.84249	(14100418)	499496.00	3736191.00	5.65846	(14100418)
499546.00	3736191.00	5.57986	(10030518)	499596.00	3736191.00	5.38535	(15111718)
499646.00	3736191.00	5.31844	(15111718)	499696.00	3736191.00	5.28324	(15111718)
499746.00	3736191.00	5.15161	(15111718)	499796.00	3736191.00	5.08979	(15111718)
499846.00	3736191.00	5.02188	(15111718)	499896.00	3736191.00	4.88919	(15111718)
499946.00	3736191.00	4.75197	(15111718)	499996.00	3736191.00	4.67303	(15121117)
500046.00	3736191.00	4.62765	(15121117)	500096.00	3736191.00	4.52192	(15121117)
500146.00	3736191.00	4.47640	(15052222)	500196.00	3736191.00	4.43558	(15052222)
500246.00	3736191.00	4.38914	(15052222)	500296.00	3736191.00	4.37382	(15052222)
500346.00	3736191.00	4.35256	(15052222)	500396.00	3736191.00	4.32074	(15052222)
500446.00	3736191.00	4.24027	(16110721)	500496.00	3736191.00	4.24115	(16110721)
499046.00	3736241.00	4.36422	(15042919)	499096.00	3736241.00	4.32587	(15042919)
499146.00	3736241.00	5.38460	(15042919)	499196.00	3736241.00	5.26393	(15042919)
499246.00	3736241.00	6.11154	(15042919)	499296.00	3736241.00	5.89399	(15042919)
499346.00	3736241.00	6.07506	(14100418)	499396.00	3736241.00	5.87603	(10030518)
499446.00	3736241.00	5.84237	(15111718)	499496.00	3736241.00	5.73257	(15111718)
499546.00	3736241.00	5.68157	(15111718)	499596.00	3736241.00	5.45510	(15111718)
499646.00	3736241.00	5.38871	(15111718)	499696.00	3736241.00	5.23594	(15111718)
499746.00	3736241.00	5.15736	(15111718)	499796.00	3736241.00	5.01913	(15111718)
499846.00	3736241.00	4.94495	(15121117)	499896.00	3736241.00	4.85554	(15121117)
499946.00	3736241.00	4.76455	(15121117)	499996.00	3736241.00	4.69952	(15121117)
500046.00	3736241.00	4.60688	(15121107)	500096.00	3736241.00	4.57538	(15121107)

500146.00	3736241.00	4.56078	(15121107)	500196.00	3736241.00	4.50427	(15121107)
500246.00	3736241.00	4.44383	(15121107)	500296.00	3736241.00	4.41375	(15121107)
500346.00	3736241.00	4.39909	(16110721)	500396.00	3736241.00	4.33937	(16110721)
500446.00	3736241.00	4.30894	(16110721)	500496.00	3736241.00	4.29254	(16110721)
499046.00	3736291.00	4.46426	(15042919)	499096.00	3736291.00	4.39816	(15042919)
499146.00	3736291.00	5.25398	(15042919)	499196.00	3736291.00	5.27775	(15042919)
499246.00	3736291.00	5.97913	(14100418)	499296.00	3736291.00	5.88900	(10030518)
499346.00	3736291.00	5.87847	(15111718)	499396.00	3736291.00	5.98171	(15111718)
499446.00	3736291.00	5.82131	(15111718)	499496.00	3736291.00	5.81736	(15111718)
499546.00	3736291.00	5.64247	(15111718)	499596.00	3736291.00	5.46506	(15111718)
499646.00	3736291.00	5.36541	(15111718)	499696.00	3736291.00	5.19600	(15121117)
499746.00	3736291.00	5.14142	(15121117)	499796.00	3736291.00	5.00297	(15121117)
499846.00	3736291.00	4.93335	(15121117)	499896.00	3736291.00	4.87717	(15121107)
499946.00	3736291.00	4.78880	(15121107)	499996.00	3736291.00	4.76341	(15121107)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
500046.00	3736291.00	4.66314	(15121107)	500096.00	3736291.00	4.63125	(15121107)
500146.00	3736291.00	4.56151	(15121107)	500196.00	3736291.00	4.48625	(15121107)
500246.00	3736291.00	4.46218	(16110721)	500296.00	3736291.00	4.45645	(15100118)
500346.00	3736291.00	4.42523	(15100118)	500396.00	3736291.00	4.38700	(15100118)
500446.00	3736291.00	4.37686	(15100118)	500496.00	3736291.00	4.36028	(15100118)
499046.00	3736341.00	4.50065	(15042919)	499096.00	3736341.00	4.40706	(15042919)
499146.00	3736341.00	4.23867	(14100418)	499196.00	3736341.00	5.28104	(15111718)
499246.00	3736341.00	5.13922	(15111718)	499296.00	3736341.00	6.01690	(15111718)
499346.00	3736341.00	5.83526	(15111718)	499396.00	3736341.00	5.94886	(15111718)
499446.00	3736341.00	5.83739	(15111718)	499496.00	3736341.00	5.79311	(15111718)
499546.00	3736341.00	5.60295	(15121117)	499596.00	3736341.00	5.44866	(15121117)
499646.00	3736341.00	5.33597	(15121117)	499696.00	3736341.00	5.21443	(15121117)
499746.00	3736341.00	5.12974	(15121117)	499796.00	3736341.00	5.00983	(15121107)
499846.00	3736341.00	4.98649	(15121107)	499896.00	3736341.00	4.96491	(15121107)
499946.00	3736341.00	4.81639	(15012407)	499996.00	3736341.00	4.79153	(15012407)
500046.00	3736341.00	4.70316	(15012407)	500096.00	3736341.00	4.69537	(15100118)
500146.00	3736341.00	4.62374	(15100118)	500196.00	3736341.00	4.62190	(15100118)
500246.00	3736341.00	4.61194	(15100118)	500296.00	3736341.00	4.56834	(15100118)
500346.00	3736341.00	4.51552	(15100118)	500396.00	3736341.00	4.49225	(15100118)
500446.00	3736341.00	4.46605	(15100118)	500496.00	3736341.00	4.38144	(15100118)
499046.00	3736391.00	4.49345	(14100418)	499096.00	3736391.00	4.42157	(15111718)
499146.00	3736391.00	4.28134	(15111718)	499196.00	3736391.00	5.28793	(15111718)
499246.00	3736391.00	5.20425	(15111718)	499296.00	3736391.00	5.31275	(15111718)
499346.00	3736391.00	5.81983	(15111718)	499396.00	3736391.00	5.60851	(15121117)
499446.00	3736391.00	5.81974	(15121117)	499496.00	3736391.00	5.63957	(15121117)
499546.00	3736391.00	5.61516	(15121117)	499596.00	3736391.00	5.44529	(15012407)
499646.00	3736391.00	5.41015	(15012407)	499696.00	3736391.00	5.34829	(15012407)
499746.00	3736391.00	5.24937	(15012407)	499796.00	3736391.00	5.12361	(15012407)
499846.00	3736391.00	5.07162	(15012407)	499896.00	3736391.00	4.94774	(15100118)
499946.00	3736391.00	4.89095	(15100118)	499996.00	3736391.00	4.88683	(15100118)
500046.00	3736391.00	4.86181	(15100118)	500096.00	3736391.00	4.78317	(15100118)
500146.00	3736391.00	4.74706	(15100118)	500196.00	3736391.00	4.72739	(15100118)
500246.00	3736391.00	4.66709	(15100118)	500296.00	3736391.00	4.60002	(15100118)
500346.00	3736391.00	4.56777	(15100118)	500396.00	3736391.00	4.52636	(15100118)
500446.00	3736391.00	4.42929	(15100118)	500496.00	3736391.00	4.38493	(15100118)
499046.00	3736441.00	4.55677	(15111718)	499096.00	3736441.00	4.38953	(15111718)
499146.00	3736441.00	4.31202	(15111718)	499196.00	3736441.00	4.14791	(15111718)
499246.00	3736441.00	5.17282	(15111718)	499296.00	3736441.00	4.99265	(15121117)
499346.00	3736441.00	5.81852	(15121117)	499396.00	3736441.00	5.61789	(15121117)
499446.00	3736441.00	5.84872	(15012407)	499496.00	3736441.00	5.70901	(15012407)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499546.00	3736441.00	5.72816	(15012407)	499596.00	3736441.00	5.58191	(15012407)

499646.00	3736441.00	5.51802	(15012407)	499696.00	3736441.00	5.36978	(15012407)
499746.00	3736441.00	5.30655	(15100118)	499796.00	3736441.00	5.23266	(15100118)
499846.00	3736441.00	5.21208	(15100118)	499896.00	3736441.00	5.09351	(15100118)
499946.00	3736441.00	5.02231	(15100118)	499996.00	3736441.00	4.98372	(15100118)
500046.00	3736441.00	4.94711	(15100118)	500096.00	3736441.00	4.83175	(15100118)
500146.00	3736441.00	4.79329	(15100118)	500196.00	3736441.00	4.72114	(15100118)
500246.00	3736441.00	4.64033	(15100118)	500296.00	3736441.00	4.59513	(15100118)
500346.00	3736441.00	4.52823	(15100118)	500396.00	3736441.00	4.43296	(15100118)
500446.00	3736441.00	4.37868	(15100118)	500496.00	3736441.00	4.32262	(15100118)
499046.00	3736491.00	4.56515	(15111718)	499096.00	3736491.00	4.37362	(15111718)
499146.00	3736491.00	4.27523	(15121117)	499196.00	3736491.00	4.12003	(15121117)
499246.00	3736491.00	5.18144	(15012407)	499296.00	3736491.00	5.04343	(15012407)
499346.00	3736491.00	5.90086	(15012407)	499396.00	3736491.00	5.75316	(15012407)
499446.00	3736491.00	5.97741	(15012407)	499496.00	3736491.00	5.80246	(15012407)
499546.00	3736491.00	5.80935	(15100118)	499596.00	3736491.00	5.67583	(15100118)
499646.00	3736491.00	5.61728	(15100118)	499696.00	3736491.00	5.51333	(15100118)
499746.00	3736491.00	5.37786	(15100118)	499796.00	3736491.00	5.34238	(15100118)
499846.00	3736491.00	5.19724	(15100118)	499896.00	3736491.00	5.15035	(15100118)
499946.00	3736491.00	5.06408	(15100118)	499996.00	3736491.00	5.00565	(15100118)
500196.00	3736491.00	4.62928	(15100118)	500246.00	3736491.00	4.57583	(15100118)
500296.00	3736491.00	4.49846	(15100118)	500346.00	3736491.00	4.39046	(15100118)
500396.00	3736491.00	4.32926	(15100118)	500446.00	3736491.00	4.30708	(14110104)
500496.00	3736491.00	4.28930	(14110104)	499046.00	3736541.00	4.55529	(15012407)
499096.00	3736541.00	4.41016	(15012407)	499146.00	3736541.00	4.35229	(15012407)
499196.00	3736541.00	4.21229	(15012407)	499246.00	3736541.00	5.30714	(15012407)
499296.00	3736541.00	5.13931	(15012407)	499346.00	3736541.00	5.99276	(15012407)
499396.00	3736541.00	5.79432	(15012407)	499446.00	3736541.00	6.06484	(15100118)
499496.00	3736541.00	5.90137	(15100118)	499546.00	3736541.00	5.77021	(15100118)
499596.00	3736541.00	5.78003	(15100118)	499646.00	3736541.00	5.62079	(15100118)
499696.00	3736541.00	5.49285	(15100118)	499746.00	3736541.00	5.40723	(15100118)
499796.00	3736541.00	5.24724	(15100118)	499846.00	3736541.00	5.18682	(15100118)
499896.00	3736541.00	5.11682	(15100118)	499946.00	3736541.00	5.01239	(15100118)
499996.00	3736541.00	4.93341	(15100118)	500196.00	3736541.00	4.50469	(15100118)
500246.00	3736541.00	4.44521	(14110104)	500296.00	3736541.00	4.33752	(14110104)
500346.00	3736541.00	4.32065	(14110104)	500396.00	3736541.00	4.30084	(14110104)
500446.00	3736541.00	4.27306	(14110104)	500496.00	3736541.00	4.19033	(14110104)
496546.00	3736591.00	13.41510	(15090818)	496596.00	3736591.00	14.27390	(15090818)
496646.00	3736591.00	18.38732	(11010316)	496696.00	3736591.00	22.68295	(11010316)
496746.00	3736591.00	26.30924	(11010316)	496796.00	3736591.00	28.28860	(11010316)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
497196.00	3736591.00	33.01980	(16100719)	497246.00	3736591.00	35.08436	(11040518)
497296.00	3736591.00	37.44116	(11070219)	497346.00	3736591.00	41.98576	(11102417)
497396.00	3736591.00	34.20470	(16102717)	497446.00	3736591.00	34.35186	(14090307)
497496.00	3736591.00	31.72454	(14103017)	497546.00	3736591.00	30.30869	(14012917)
497596.00	3736591.00	28.33685	(10071619)	497646.00	3736591.00	28.19032	(10020417)
497696.00	3736591.00	24.96466	(10020417)	497746.00	3736591.00	24.80471	(16050618)
499296.00	3736591.00	5.13351	(15012407)	499346.00	3736591.00	6.01380	(15100118)
499796.00	3736591.00	5.15958	(15100118)	499846.00	3736591.00	5.08352	(15100118)
499896.00	3736591.00	4.92687	(15100118)	499946.00	3736591.00	4.84149	(15100118)
499996.00	3736591.00	4.80038	(11100518)	500046.00	3736591.00	4.70414	(11100518)
500096.00	3736591.00	4.66350	(11100518)	500146.00	3736591.00	4.56570	(11100518)
496546.00	3736641.00	13.72437	(15090818)	496596.00	3736641.00	14.98883	(15090818)
496646.00	3736641.00	16.21475	(15090818)	496696.00	3736641.00	20.07133	(11010316)
496746.00	3736641.00	25.79976	(11010316)	496796.00	3736641.00	31.02032	(11010316)
497246.00	3736641.00	41.91375	(11040518)	497296.00	3736641.00	53.92300	(11070219)
497346.00	3736641.00	61.47351	(10081821)	497396.00	3736641.00	44.47686	(14090307)
497446.00	3736641.00	39.93625	(14090307)	497496.00	3736641.00	37.16849	(14021817)
497546.00	3736641.00	34.19382	(10071619)	497596.00	3736641.00	36.12921	(10020417)
497646.00	3736641.00	31.92615	(10020417)	497696.00	3736641.00	30.63932	(16050618)
497746.00	3736641.00	28.28593	(16050618)	499296.00	3736641.00	5.02892	(15012407)
499346.00	3736641.00	5.15257	(15100118)	499796.00	3736641.00	5.16645	(11100518)
499846.00	3736641.00	5.04273	(11100518)	499896.00	3736641.00	4.99710	(11100518)
499946.00	3736641.00	4.91544	(11100518)	499996.00	3736641.00	4.86645	(11100518)
500046.00	3736641.00	4.77103	(11100518)	500096.00	3736641.00	4.71787	(11100518)
500146.00	3736641.00	4.60918	(11100518)	496546.00	3736691.00	14.37829	(15031418)
496596.00	3736691.00	15.36452	(15031418)	496646.00	3736691.00	16.75551	(15090818)
496696.00	3736691.00	18.48960	(15090818)	496746.00	3736691.00	21.63999	(11010316)
496796.00	3736691.00	29.05537	(11010316)	497246.00	3736691.00	48.97890	(11040518)
497296.00	3736691.00	74.85647	(11070219)	497346.00	3736691.00	73.41018	(10081821)
497396.00	3736691.00	58.02283	(14090307)	497446.00	3736691.00	48.44455	(14021817)
497496.00	3736691.00	43.37787	(14021817)	497546.00	3736691.00	64.18641	(10082622)
497596.00	3736691.00	42.87367	(10020417)	497646.00	3736691.00	39.09832	(16050618)
497696.00	3736691.00	34.94455	(16050618)	497746.00	3736691.00	29.29783	(16050618)

498796.00	3736691.00	5.81600	(15012407)	498846.00	3736691.00	5.54527	(15012407)
499296.00	3736691.00	5.14832	(11100518)	499346.00	3736691.00	4.99939	(11100518)
499796.00	3736691.00	5.22082	(11100518)	499846.00	3736691.00	5.08415	(11100518)
499896.00	3736691.00	5.02484	(11100518)	499946.00	3736691.00	4.90439	(11100518)
499996.00	3736691.00	4.84406	(11100518)	500046.00	3736691.00	4.75747	(11100518)
500096.00	3736691.00	4.66633	(11100518)	500146.00	3736691.00	4.57729	(11100518)
496546.00	3736741.00	14.78785	(15031418)	496596.00	3736741.00	16.18118	(15031418)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
496646.00	3736741.00	17.63578	(15031418)	496696.00	3736741.00	19.10312	(15031418)
496746.00	3736741.00	21.12291	(15090818)	496796.00	3736741.00	23.62413	(15090818)
497246.00	3736741.00	59.97173	(14042920)	497296.00	3736741.00	65.66401	(11070219)
497346.00	3736741.00	66.09941	(14090307)	497396.00	3736741.00	74.91753	(14090307)
497446.00	3736741.00	63.15140	(14021817)	497496.00	3736741.00	60.29132	(10020417)
497546.00	3736741.00	57.58969	(10020417)	497596.00	3736741.00	53.77057	(16050618)
497646.00	3736741.00	45.29491	(16050618)	497696.00	3736741.00	35.42354	(16050618)
497746.00	3736741.00	27.65649	(15031518)	498796.00	3736741.00	5.73947	(15012407)
498846.00	3736741.00	5.49941	(11100518)	499296.00	3736741.00	4.04550	(11100518)
499346.00	3736741.00	5.00560	(11100518)	500096.00	3736741.00	4.69812	(11123020)
500146.00	3736741.00	4.63175	(11123020)	496546.00	3736791.00	14.95124	(14100722)
496596.00	3736791.00	16.35763	(14100722)	496646.00	3736791.00	18.04249	(15031418)
496696.00	3736791.00	20.11628	(15031418)	496746.00	3736791.00	22.35557	(15031418)
496796.00	3736791.00	24.69080	(15031418)	497196.00	3736791.00	88.05717	(15051418)
497246.00	3736791.00	80.83143	(15051418)	497296.00	3736791.00	86.06811	(11070219)
497346.00	3736791.00	100.15592	(14090307)	497396.00	3736791.00	94.24370	(14090307)
497446.00	3736791.00	79.55211	(10020417)	497496.00	3736791.00	81.38473	(10020417)
497546.00	3736791.00	71.21840	(16050618)	497596.00	3736791.00	72.72320	(16102117)
497646.00	3736791.00	45.84169	(16050618)	497696.00	3736791.00	33.11153	(11091107)
497746.00	3736791.00	29.09636	(11100617)	498496.00	3736791.00	7.93383	(15012407)
498546.00	3736791.00	7.44981	(15012407)	498796.00	3736791.00	5.91255	(11100518)
498846.00	3736791.00	5.66133	(11100518)	499296.00	3736791.00	4.05174	(11100518)
499346.00	3736791.00	3.90911	(11100518)	499596.00	3736791.00	5.21571	(11062522)
499646.00	3736791.00	5.08121	(11062522)	499696.00	3736791.00	5.28750	(11062522)
500096.00	3736791.00	4.79569	(11062522)	500146.00	3736791.00	4.70875	(11062522)
500196.00	3736791.00	4.64447	(11062522)	500246.00	3736791.00	4.60583	(11123020)
500296.00	3736791.00	4.56814	(11123020)	500346.00	3736791.00	4.48470	(11123020)
500396.00	3736791.00	4.42668	(11123020)	500446.00	3736791.00	4.38655	(11123020)
500496.00	3736791.00	4.29233	(11123020)	496546.00	3736841.00	14.99880	(10011117)
496596.00	3736841.00	16.55859	(10011117)	496646.00	3736841.00	18.31483	(10011117)
496696.00	3736841.00	20.38692	(14100722)	496746.00	3736841.00	22.80944	(14100722)
496796.00	3736841.00	25.95186	(15031418)	497196.00	3736841.00	104.87574	(15051418)
497246.00	3736841.00	130.18019	(15051418)	497296.00	3736841.00	124.07647	(14111116)
497346.00	3736841.00	156.57087	(14090307)	497396.00	3736841.00	131.70779	(14021817)
497446.00	3736841.00	124.42269	(10020417)	497496.00	3736841.00	104.90796	(16050618)
497546.00	3736841.00	83.00601	(16050618)	497596.00	3736841.00	57.07320	(16050618)
497646.00	3736841.00	45.05337	(11091107)	497696.00	3736841.00	35.54849	(11091107)
497746.00	3736841.00	30.57864	(15042919)	498496.00	3736841.00	8.12178	(11100518)
498546.00	3736841.00	7.69061	(11100518)	498796.00	3736841.00	5.97344	(11100518)
498846.00	3736841.00	5.69979	(11100518)	499296.00	3736841.00	4.09283	(11062522)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499346.00	3736841.00	3.99806	(11062522)	499596.00	3736841.00	5.35323	(11062522)
499646.00	3736841.00	5.20686	(11062522)	499696.00	3736841.00	5.40606	(11062522)
500096.00	3736841.00	4.84442	(11062522)	500146.00	3736841.00	4.78937	(11062522)
500196.00	3736841.00	4.72491	(11062522)	500246.00	3736841.00	4.62713	(11062522)
500296.00	3736841.00	4.57265	(11062522)	500346.00	3736841.00	4.51905	(11062522)
500396.00	3736841.00	4.41857	(11062522)	500446.00	3736841.00	4.36897	(10030219)
500496.00	3736841.00	4.27691	(10030219)	496546.00	3736891.00	15.77908	(10110218)
496596.00	3736891.00	17.20962	(10110218)	496646.00	3736891.00	18.83429	(10110218)

496696.00	3736891.00	20.68372	(10110218)	496746.00	3736891.00	23.10288	(10011117)
496796.00	3736891.00	26.35433	(10011117)	497096.00	3736891.00	124.83426	(11010316)
497146.00	3736891.00	172.59859	(11010316)	497196.00	3736891.00	175.90082	(11010316)
497246.00	3736891.00	205.36623	(15051418)	497296.00	3736891.00	208.09129	(14111116)
497346.00	3736891.00	255.47369	(14090307)	497396.00	3736891.00	208.56368	(10020417)
497446.00	3736891.00	173.21928	(16050618)	497496.00	3736891.00	120.85290	(16050618)
497546.00	3736891.00	83.73993	(11091107)	497596.00	3736891.00	62.38555	(11091107)
497646.00	3736891.00	46.14786	(11091107)	497696.00	3736891.00	36.92151	(15042919)
497746.00	3736891.00	31.49081	(15111718)	498496.00	3736891.00	8.21973	(11062522)
498546.00	3736891.00	7.79181	(11062522)	498746.00	3736891.00	6.39207	(11062522)
498796.00	3736891.00	6.10483	(11062522)	498846.00	3736891.00	5.83899	(11062522)
499296.00	3736891.00	4.10215	(11062522)	499346.00	3736891.00	4.04274	(11062522)
499596.00	3736891.00	5.38659	(11062522)	499646.00	3736891.00	5.44223	(11062522)
499696.00	3736891.00	5.42049	(11062522)	499746.00	3736891.00	5.41082	(11062522)
499796.00	3736891.00	5.26336	(11062522)	499846.00	3736891.00	5.20187	(11062522)
499896.00	3736891.00	5.01523	(11062522)	499946.00	3736891.00	5.09425	(11062522)
499996.00	3736891.00	4.98909	(11062522)	500046.00	3736891.00	4.89874	(11062522)
500096.00	3736891.00	4.80722	(11062522)	500146.00	3736891.00	4.76007	(10030218)
500196.00	3736891.00	4.72774	(10030218)	500246.00	3736891.00	4.67717	(10030218)
500296.00	3736891.00	4.58587	(10030218)	500346.00	3736891.00	4.55195	(10030218)
500396.00	3736891.00	4.45278	(10030218)	500446.00	3736891.00	4.41723	(10030218)
500496.00	3736891.00	4.35609	(10030218)	496546.00	3736941.00	15.93241	(10110218)
496596.00	3736941.00	17.58756	(10110218)	496646.00	3736941.00	19.51125	(10110218)
496696.00	3736941.00	21.77921	(10110218)	496746.00	3736941.00	24.47214	(10110218)
496796.00	3736941.00	27.72178	(10110218)	497096.00	3736941.00	90.49038	(11010316)
497146.00	3736941.00	180.14266	(11010316)	497196.00	3736941.00	317.70917	(11010316)
497246.00	3736941.00	390.29319	(11010316)	497296.00	3736941.00	425.83047	(14111116)
497346.00	3736941.00	452.47987	(14021817)	497396.00	3736941.00	336.07956	(16050618)
497446.00	3736941.00	205.75822	(11091107)	497496.00	3736941.00	133.52396	(11091107)
497546.00	3736941.00	87.72650	(11091107)	497596.00	3736941.00	59.16854	(11091107)
497646.00	3736941.00	45.36122	(15012407)	497696.00	3736941.00	37.97828	(15012407)
497746.00	3736941.00	32.20207	(15012407)	498746.00	3736941.00	6.46934	(11062522)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
498796.00	3736941.00	6.16492	(11062522)	498846.00	3736941.00	5.88453	(11062522)
499596.00	3736941.00	5.31300	(11062522)	499646.00	3736941.00	5.35927	(11062522)
499696.00	3736941.00	5.32927	(11062522)	499746.00	3736941.00	5.31151	(11062522)
499796.00	3736941.00	5.16256	(11062522)	499846.00	3736941.00	5.11786	(10030218)
499896.00	3736941.00	4.93651	(10030218)	499946.00	3736941.00	5.06972	(10030218)
499996.00	3736941.00	4.98959	(10030218)	500046.00	3736941.00	4.94881	(10030218)
500096.00	3736941.00	4.87820	(10030218)	500146.00	3736941.00	4.79652	(10030218)
500196.00	3736941.00	4.76062	(10030218)	500246.00	3736941.00	4.72054	(10030218)
500296.00	3736941.00	4.61118	(10030218)	500346.00	3736941.00	4.57408	(10030218)
500396.00	3736941.00	4.47137	(10030218)	500446.00	3736941.00	4.43290	(10030218)
500496.00	3736941.00	4.35361	(10030218)	496546.00	3736991.00	15.51353	(11051403)
496596.00	3736991.00	17.07372	(11051403)	498696.00	3736991.00	6.71379	(11062522)
498746.00	3736991.00	6.38154	(11062522)	498796.00	3736991.00	6.07493	(11062522)
498846.00	3736991.00	5.79320	(11062522)	498896.00	3736991.00	5.53180	(11062522)
499696.00	3736991.00	5.23067	(10030218)	496546.00	3737041.00	15.37568	(11051403)
496596.00	3737041.00	16.94622	(11051403)	498696.00	3737041.00	6.45296	(11062522)
498746.00	3737041.00	6.13452	(11062522)	498796.00	3737041.00	5.84070	(11062522)
498846.00	3737041.00	5.57074	(11062522)	498896.00	3737041.00	5.32072	(11062522)
499696.00	3737041.00	5.10187	(10030218)	496546.00	3737091.00	20.18552	(15012517)
496596.00	3737091.00	16.06954	(15012517)	498746.00	3737091.00	6.12034	(14013117)
498796.00	3737091.00	5.81181	(14013117)	498846.00	3737091.00	5.52788	(14013117)
498896.00	3737091.00	5.26613	(14013117)	499696.00	3737091.00	4.87767	(10101607)
496546.00	3737141.00	28.87453	(14062119)	496596.00	3737141.00	28.01569	(10052321)
499696.00	3737141.00	4.95561	(15121924)	499396.00	3737191.00	3.76397	(14013117)
499446.00	3737191.00	3.69468	(14013117)	499496.00	3737191.00	3.59888	(14013117)
499546.00	3737191.00	4.36677	(14013117)	499596.00	3737191.00	4.94039	(14013117)
499646.00	3737191.00	4.86236	(14013117)	499696.00	3737191.00	5.09997	(15121924)
499396.00	3737241.00	3.83502	(14013117)	499446.00	3737241.00	3.77336	(14013117)
499496.00	3737241.00	3.64760	(14013117)	499546.00	3737241.00	4.51091	(14013117)
499596.00	3737241.00	5.12213	(14013117)	499646.00	3737241.00	5.05052	(14013117)
499696.00	3737241.00	5.21350	(14013117)	499396.00	3737291.00	3.84809	(14013117)
499446.00	3737291.00	3.79587	(14013117)	499496.00	3737291.00	3.67512	(14013117)
499546.00	3737291.00	4.57671	(14013117)	499596.00	3737291.00	4.50405	(14013117)
499646.00	3737291.00	5.14621	(14013117)	499696.00	3737291.00	5.24538	(14013117)
499396.00	3737341.00	3.80320	(14013117)	499446.00	3737341.00	3.72435	(14013117)
499496.00	3737341.00	3.64937	(14013117)	499546.00	3737341.00	4.56098	(14013117)
499596.00	3737341.00	4.42949	(14013117)	499646.00	3737341.00	5.14470	(14013117)
499696.00	3737341.00	5.00160	(14013117)	498945.00	3736941.00	5.38717	(11062522)
498995.00	3736943.00	5.15976	(11062522)	498945.00	3736894.00	5.36899	(11062522)
498995.00	3736897.00	5.15492	(11062522)				

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499046.00	3736191.00	4.68815	(11012517)	499096.00	3736191.00	4.86623	(14100219)
499146.00	3736191.00	5.09886	(16012617)	499196.00	3736191.00	5.45210	(10092619)
499246.00	3736191.00	5.74922	(14061319)	499296.00	3736191.00	6.02984	(14042920)
499346.00	3736191.00	6.53938	(11070219)	499396.00	3736191.00	6.98521	(11070219)
499446.00	3736191.00	7.10918	(11102417)	499496.00	3736191.00	7.20327	(10101407)
499546.00	3736191.00	7.46727	(15062919)	499596.00	3736191.00	7.50175	(15062919)
499646.00	3736191.00	7.51608	(11101717)	499696.00	3736191.00	7.49967	(14012917)
499746.00	3736191.00	7.53660	(10071619)	499796.00	3736191.00	7.40060	(10071619)
499846.00	3736191.00	7.30775	(15101717)	499896.00	3736191.00	7.14299	(15101717)
499946.00	3736191.00	7.04359	(11041818)	499996.00	3736191.00	7.05396	(15090718)
500046.00	3736191.00	7.04035	(15090718)	500096.00	3736191.00	6.96244	(15031518)
500146.00	3736191.00	6.90386	(15031518)	500196.00	3736191.00	6.94942	(11100617)
500246.00	3736191.00	6.88910	(15041619)	500296.00	3736191.00	6.93577	(15041619)
500346.00	3736191.00	6.98848	(15042919)	500396.00	3736191.00	7.02442	(15042919)
500446.00	3736191.00	6.93546	(15042919)	500496.00	3736191.00	6.89810	(15042919)
499046.00	3736241.00	5.00333	(11012517)	499096.00	3736241.00	5.24100	(11012517)
499146.00	3736241.00	5.48094	(16012617)	499196.00	3736241.00	5.85717	(10092619)
499246.00	3736241.00	6.29579	(10092619)	499296.00	3736241.00	6.68139	(16100719)
499346.00	3736241.00	7.28139	(11040518)	499396.00	3736241.00	7.86582	(11070219)
499446.00	3736241.00	8.03975	(11102417)	499496.00	3736241.00	8.18225	(16102717)
499546.00	3736241.00	8.47378	(15062919)	499596.00	3736241.00	8.43421	(16072419)
499646.00	3736241.00	8.49130	(14012917)	499696.00	3736241.00	8.50016	(10071619)
499746.00	3736241.00	8.40151	(10071619)	499796.00	3736241.00	8.28586	(15101717)
499846.00	3736241.00	8.06762	(15101717)	499896.00	3736241.00	7.93407	(11041818)
499946.00	3736241.00	7.91602	(15090718)	499996.00	3736241.00	7.87762	(15090718)
500046.00	3736241.00	7.76981	(15031518)	500096.00	3736241.00	7.65107	(15031518)
500146.00	3736241.00	7.62017	(11100617)	500196.00	3736241.00	7.66463	(15041619)
500246.00	3736241.00	7.60615	(15042919)	500296.00	3736241.00	7.66095	(15042919)
500346.00	3736241.00	7.69751	(15042919)	500396.00	3736241.00	7.57980	(15042919)
500446.00	3736241.00	7.46850	(15042919)	500496.00	3736241.00	7.33827	(15042919)
499046.00	3736291.00	5.39105	(14051419)	499096.00	3736291.00	5.63743	(11012517)
499146.00	3736291.00	5.95492	(11012517)	499196.00	3736291.00	6.32813	(16012617)
499246.00	3736291.00	6.93823	(10092619)	499296.00	3736291.00	7.49587	(16100719)
499346.00	3736291.00	8.23225	(11040518)	499396.00	3736291.00	9.01626	(11070219)
499446.00	3736291.00	9.25286	(11102417)	499496.00	3736291.00	9.50781	(15062919)
499546.00	3736291.00	9.71384	(15062919)	499596.00	3736291.00	9.69618	(14012917)
499646.00	3736291.00	9.69455	(10071619)	499696.00	3736291.00	9.66243	(10071619)
499746.00	3736291.00	9.48529	(15101717)	499796.00	3736291.00	9.26712	(15101717)
499846.00	3736291.00	9.08336	(11041818)	499896.00	3736291.00	9.05914	(15090718)
499946.00	3736291.00	8.97442	(15090718)	499996.00	3736291.00	8.85672	(15031518)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
500046.00	3736291.00	8.66330	(15031518)	500096.00	3736291.00	8.55206	(11100617)
500146.00	3736291.00	8.57083	(15042919)	500196.00	3736291.00	8.48760	(15042919)
500246.00	3736291.00	8.51706	(15042919)	500296.00	3736291.00	8.49825	(15042919)
500346.00	3736291.00	8.43020	(15042919)	500396.00	3736291.00	8.17146	(14100418)
500446.00	3736291.00	7.97100	(14100418)	500496.00	3736291.00	7.75143	(15111718)
499046.00	3736341.00	5.83533	(15031418)	499096.00	3736341.00	6.17610	(10102717)
499146.00	3736341.00	6.54263	(14051419)	499196.00	3736341.00	6.94272	(11012517)
499246.00	3736341.00	7.63178	(10092619)	499296.00	3736341.00	8.49091	(14061319)
499346.00	3736341.00	9.46975	(11040518)	499396.00	3736341.00	10.58898	(11070219)
499446.00	3736341.00	10.89008	(11102417)	499496.00	3736341.00	11.33128	(15062919)
499546.00	3736341.00	11.31573	(16072419)	499596.00	3736341.00	11.32540	(14012917)
499646.00	3736341.00	11.31712	(10071619)	499696.00	3736341.00	11.09101	(15101717)
499746.00	3736341.00	10.80826	(15101717)	499796.00	3736341.00	10.65067	(14012517)
499846.00	3736341.00	10.57060	(15090718)	499896.00	3736341.00	10.44453	(15031518)
499946.00	3736341.00	10.28137	(15031518)	499996.00	3736341.00	10.03817	(15031518)

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
500046.00	3736341.00	9.89099	(15042919)	500096.00	3736341.00	9.88928	(15042919)
500146.00	3736341.00	9.72700	(15042919)	500196.00	3736341.00	9.65078	(15042919)
500246.00	3736341.00	9.57677	(15042919)	500296.00	3736341.00	9.41112	(14100418)
500346.00	3736341.00	9.07928	(14100418)	500396.00	3736341.00	8.82828	(15111718)
500446.00	3736341.00	8.53993	(15111718)	500496.00	3736341.00	8.09382	(15111718)
499046.00	3736391.00	6.38903	(15031418)	499096.00	3736391.00	6.85788	(15031418)
499146.00	3736391.00	7.32740	(15031418)	499196.00	3736391.00	7.84315	(10102717)
499246.00	3736391.00	8.55011	(11010316)	499296.00	3736391.00	9.75754	(10092619)
499346.00	3736391.00	11.14255	(11040518)	499396.00	3736391.00	12.87998	(11070219)
499446.00	3736391.00	13.29318	(10101407)	499496.00	3736391.00	13.81025	(15062919)
499546.00	3736391.00	13.69287	(14012917)	499596.00	3736391.00	13.64329	(10071619)
499646.00	3736391.00	13.32079	(15101717)	499696.00	3736391.00	13.06181	(16050618)
499746.00	3736391.00	13.05235	(11091107)	499796.00	3736391.00	13.20735	(11091107)
499846.00	3736391.00	13.23024	(11091107)	499896.00	3736391.00	13.12052	(11091107)
499946.00	3736391.00	12.93056	(11091107)	499996.00	3736391.00	12.67404	(11091107)
500046.00	3736391.00	12.32818	(11091107)	500096.00	3736391.00	11.88123	(11091107)
500146.00	3736391.00	11.35999	(15042919)	500196.00	3736391.00	11.13805	(14100418)
500246.00	3736391.00	10.91207	(14100418)	500296.00	3736391.00	10.43183	(15111718)
500346.00	3736391.00	10.01263	(15111718)	500396.00	3736391.00	9.50500	(15111718)
500446.00	3736391.00	8.84744	(15121117)	500496.00	3736391.00	8.46650	(15012407)
499046.00	3736441.00	6.81165	(16062006)	499096.00	3736441.00	7.42604	(14100722)
499146.00	3736441.00	8.20952	(15031418)	499196.00	3736441.00	9.09215	(15031418)
499246.00	3736441.00	10.58878	(11010316)	499296.00	3736441.00	12.28790	(11010316)
499346.00	3736441.00	13.64426	(16100719)	499396.00	3736441.00	16.58690	(11070219)
499446.00	3736441.00	18.79705	(14090307)	499496.00	3736441.00	17.36981	(16072419)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499546.00	3736441.00	17.43109	(10020417)	499596.00	3736441.00	18.57008	(11091107)
499646.00	3736441.00	19.37635	(11091107)	499696.00	3736441.00	19.70053	(11091107)
499746.00	3736441.00	19.77354	(11091107)	499796.00	3736441.00	19.65207	(11091107)
499846.00	3736441.00	19.44702	(11091107)	499896.00	3736441.00	19.08973	(11091107)
499946.00	3736441.00	18.70426	(11091107)	499996.00	3736441.00	18.26365	(11091107)
500046.00	3736441.00	17.71244	(11091107)	500096.00	3736441.00	16.93591	(11091107)
500146.00	3736441.00	15.96180	(11091107)	500196.00	3736441.00	14.67176	(11091107)
500246.00	3736441.00	12.62385	(15111718)	500296.00	3736441.00	11.79220	(15111718)
500346.00	3736441.00	10.96418	(15012407)	500396.00	3736441.00	10.09778	(15012407)
500446.00	3736441.00	9.43518	(15012407)	500496.00	3736441.00	8.85011	(15012407)
499046.00	3736491.00	7.43767	(16062006)	499096.00	3736491.00	8.12907	(10110218)
499146.00	3736491.00	9.04239	(10110218)	499196.00	3736491.00	10.21547	(10011117)
499246.00	3736491.00	11.93230	(14100722)	499296.00	3736491.00	16.78588	(11010316)
499346.00	3736491.00	21.56028	(11010316)	499396.00	3736491.00	25.12666	(14090307)
499446.00	3736491.00	29.67791	(14090307)	499496.00	3736491.00	32.78423	(11091107)
499546.00	3736491.00	34.73449	(11091107)	499596.00	3736491.00	35.30373	(11091107)
499646.00	3736491.00	35.29334	(11091107)	499696.00	3736491.00	35.01797	(11091107)
499746.00	3736491.00	34.50508	(11091107)	499796.00	3736491.00	33.99737	(11091107)
499846.00	3736491.00	33.33822	(11091107)	499896.00	3736491.00	32.70885	(11091107)
499946.00	3736491.00	32.03723	(11091107)	499996.00	3736491.00	31.33839	(11091107)
500196.00	3736491.00	22.09955	(11091107)	500246.00	3736491.00	15.35565	(15012407)
500296.00	3736491.00	13.38135	(15012407)	500346.00	3736491.00	11.62520	(15012407)
500396.00	3736491.00	10.40107	(15012407)	500446.00	3736491.00	9.49587	(15012407)
500496.00	3736491.00	8.78272	(15012407)	499046.00	3736541.00	8.12556	(16062006)
499096.00	3736541.00	8.78033	(10110218)	499146.00	3736541.00	9.98417	(10110218)
499196.00	3736541.00	11.65664	(10110218)	499246.00	3736541.00	14.46580	(16010616)
499296.00	3736541.00	22.37000	(16010616)	499346.00	3736541.00	42.85587	(16010616)
499396.00	3736541.00	67.16647	(16010616)	499446.00	3736541.00	54.47006	(11091107)
499496.00	3736541.00	53.63582	(11091107)	499546.00	3736541.00	71.17396	(11091107)
499596.00	3736541.00	53.24403	(11091107)	499646.00	3736541.00	51.14949	(11091107)
499696.00	3736541.00	67.70294	(11091107)	499746.00	3736541.00	50.52072	(11091107)
499796.00	3736541.00	66.99771	(11091107)	499846.00	3736541.00	64.41503	(11091107)
499896.00	3736541.00	48.03346	(11091107)	499946.00	3736541.00	63.69062	(11091107)
499996.00	3736541.00	61.22918	(11091107)	500196.00	3736541.00	37.50397	(16082707)
500246.00	3736541.00	20.19618	(16082707)	500296.00	3736541.00	13.84102	(11100518)
500346.00	3736541.00	11.79455	(11100518)	500396.00	3736541.00	10.46608	(11100518)
500446.00	3736541.00	9.54475	(11100518)	500496.00	3736541.00	8.77501	(11100518)
496546.00	3736591.00	4.13696	(14100722)	496596.00	3736591.00	4.22926	(15031418)
496646.00	3736591.00	4.32649	(15031418)	496696.00	3736591.00	4.40391	(15031418)
496746.00	3736591.00	4.47026	(15031418)	496796.00	3736591.00	4.53399	(15031418)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,

L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
497196.00	3736591.00	5.00988	(15031418)	497246.00	3736591.00	5.05480	(16062006)
497296.00	3736591.00	5.20791	(16062006)	497346.00	3736591.00	5.34667	(16062006)
497396.00	3736591.00	5.47432	(16062006)	497446.00	3736591.00	5.59086	(16062006)
497496.00	3736591.00	5.69573	(16062006)	497546.00	3736591.00	5.79168	(16062006)
497596.00	3736591.00	5.87941	(16062006)	497646.00	3736591.00	5.95937	(16062006)
497696.00	3736591.00	6.03593	(16062006)	497746.00	3736591.00	6.10740	(16062006)
499296.00	3736591.00	29.50165	(16010616)	499346.00	3736591.00	62.05499	(16010616)
499796.00	3736591.00	55.13756	(14041207)	499846.00	3736591.00	55.41684	(14041207)
499896.00	3736591.00	55.78560	(14041207)	499946.00	3736591.00	56.34099	(14041207)
499996.00	3736591.00	56.43317	(14041207)	500046.00	3736591.00	56.55607	(14041207)
500096.00	3736591.00	55.71036	(14041207)	500146.00	3736591.00	49.77672	(14041207)
496546.00	3736641.00	4.44498	(10011117)	496596.00	3736641.00	4.56977	(14100722)
496646.00	3736641.00	4.68217	(14100722)	496696.00	3736641.00	4.79374	(15031418)
496746.00	3736641.00	4.88920	(15031418)	496796.00	3736641.00	4.97330	(15031418)
497246.00	3736641.00	5.77580	(16062006)	497296.00	3736641.00	6.05876	(10092518)
497346.00	3736641.00	6.77791	(16072121)	497396.00	3736641.00	6.24596	(16062006)
497446.00	3736641.00	6.37605	(16062006)	497496.00	3736641.00	6.49053	(16062006)
497546.00	3736641.00	6.59133	(16062006)	497596.00	3736641.00	6.69041	(16062006)
497646.00	3736641.00	6.77825	(16062006)	497696.00	3736641.00	6.85991	(16062006)
497746.00	3736641.00	6.93584	(16062006)	499296.00	3736641.00	28.89474	(16010616)
499346.00	3736641.00	54.76807	(16010616)	499796.00	3736641.00	25.50005	(14041207)
499846.00	3736641.00	25.54630	(14041207)	499896.00	3736641.00	25.55241	(14041207)
499946.00	3736641.00	25.52986	(14041207)	499996.00	3736641.00	25.41405	(14041207)
500046.00	3736641.00	25.11675	(14041207)	500096.00	3736641.00	24.36881	(14041207)
500146.00	3736641.00	22.61364	(14041207)	496546.00	3736691.00	4.76929	(10011117)
496596.00	3736691.00	4.96014	(10011117)	496646.00	3736691.00	5.12208	(10011117)
496696.00	3736691.00	5.26884	(14100722)	496746.00	3736691.00	5.39556	(15031418)
496796.00	3736691.00	5.51604	(15031418)	497246.00	3736691.00	6.73150	(16062006)
497296.00	3736691.00	7.51440	(11081719)	497346.00	3736691.00	7.71964	(15081621)
497396.00	3736691.00	7.25846	(16062006)	497446.00	3736691.00	7.40289	(16062006)
497496.00	3736691.00	7.52889	(16062006)	497546.00	3736691.00	7.79836	(16062021)
497596.00	3736691.00	7.74490	(16062006)	497646.00	3736691.00	7.84326	(16062006)
497696.00	3736691.00	7.93074	(16062006)	497746.00	3736691.00	8.01499	(16062006)
498796.00	3736691.00	9.44917	(16062006)	498846.00	3736691.00	9.59590	(16062006)
499296.00	3736691.00	26.34331	(14090218)	499346.00	3736691.00	50.56198	(16010616)
499796.00	3736691.00	15.69020	(14041207)	499846.00	3736691.00	15.65674	(14041207)
499896.00	3736691.00	15.60244	(14041207)	499946.00	3736691.00	15.51994	(14041207)
499996.00	3736691.00	15.37563	(14041207)	500046.00	3736691.00	15.13023	(14041207)
500096.00	3736691.00	14.70498	(14041207)	500146.00	3736691.00	13.98628	(14041207)
496546.00	3736741.00	5.29211	(10110218)	496596.00	3736741.00	5.46991	(10110218)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
496646.00	3736741.00	5.62639	(10110218)	496696.00	3736741.00	5.85959	(10011117)
496746.00	3736741.00	6.05001	(14100722)	496796.00	3736741.00	6.21258	(14100722)
497246.00	3736741.00	8.05152	(16062006)	497296.00	3736741.00	8.27449	(16062006)
497346.00	3736741.00	8.46852	(16062006)	497396.00	3736741.00	8.64673	(16062006)
497446.00	3736741.00	8.80704	(16062006)	497496.00	3736741.00	8.94559	(16062006)
497546.00	3736741.00	9.07205	(16062006)	497596.00	3736741.00	9.17967	(16062006)
497646.00	3736741.00	9.29465	(16062006)	497696.00	3736741.00	9.39079	(16062006)
497746.00	3736741.00	9.48546	(16062006)	498796.00	3736741.00	11.00097	(16062006)
498846.00	3736741.00	11.13246	(16062006)	499296.00	3736741.00	25.45925	(14090218)
499346.00	3736741.00	48.55479	(16010616)	500096.00	3736741.00	10.26347	(14041207)
500146.00	3736741.00	9.89762	(14041207)	496546.00	3736791.00	5.81191	(10110218)
496596.00	3736791.00	6.11960	(10110218)	496646.00	3736791.00	6.41506	(10110218)
496696.00	3736791.00	6.67981	(10110218)	496746.00	3736791.00	6.89901	(10110218)
496796.00	3736791.00	7.16634	(10011117)	497196.00	3736791.00	9.68769	(16062006)
497246.00	3736791.00	9.99215	(16062006)	497296.00	3736791.00	10.25135	(16062006)
497346.00	3736791.00	10.47291	(16062006)	497396.00	3736791.00	10.67240	(16062006)
497446.00	3736791.00	10.85254	(16062006)	497496.00	3736791.00	11.01073	(16062006)
497546.00	3736791.00	11.15459	(16062006)	497596.00	3736791.00	11.24578	(16062006)
497646.00	3736791.00	11.40248	(16062006)	497696.00	3736791.00	11.52411	(16062006)
497746.00	3736791.00	11.63199	(16062006)	498496.00	3736791.00	12.91060	(16062006)
498546.00	3736791.00	12.98116	(16062006)	498796.00	3736791.00	13.30538	(16062006)
498846.00	3736791.00	13.41162	(16062006)	499296.00	3736791.00	25.33339	(16062006)

499346.00	3736791.00	47.61184	(16010616)	499596.00	3736791.00	13.74176	(16062006)
499646.00	3736791.00	12.33135	(16062006)	499696.00	3736791.00	11.36174	(16062006)
500096.00	3736791.00	8.06084	(11062522)	500146.00	3736791.00	7.68839	(11062522)
500196.00	3736791.00	7.43186	(11062522)	500246.00	3736791.00	7.23631	(11062522)
500296.00	3736791.00	7.10069	(11062522)	500346.00	3736791.00	6.82875	(11062522)
500396.00	3736791.00	6.72267	(11062522)	500446.00	3736791.00	6.68218	(11062522)
500496.00	3736791.00	6.46098	(11062522)	496546.00	3736841.00	6.19978	(10110218)
496596.00	3736841.00	6.67843	(10110218)	496646.00	3736841.00	7.19430	(10110218)
496696.00	3736841.00	7.72488	(10110218)	496746.00	3736841.00	8.22312	(10110218)
496796.00	3736841.00	8.62548	(10110218)	497196.00	3736841.00	12.77337	(16062006)
497246.00	3736841.00	13.13475	(16062006)	497296.00	3736841.00	13.44285	(16062006)
497346.00	3736841.00	13.70538	(16062006)	497396.00	3736841.00	13.94254	(16062006)
497446.00	3736841.00	14.15287	(16062006)	497496.00	3736841.00	14.34448	(16062006)
497546.00	3736841.00	14.52052	(16062006)	497596.00	3736841.00	14.68377	(16062006)
497646.00	3736841.00	14.83730	(16062006)	497696.00	3736841.00	14.98265	(16062006)
497746.00	3736841.00	15.12347	(16062006)	498496.00	3736841.00	16.90042	(16062006)
498546.00	3736841.00	16.99241	(16062006)	498796.00	3736841.00	17.18200	(16062006)
498846.00	3736841.00	17.24207	(16062006)	499296.00	3736841.00	27.22806	(16062006)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499346.00	3736841.00	47.52389	(16010616)	499596.00	3736841.00	13.63879	(11100518)
499646.00	3736841.00	12.24906	(11062522)	499696.00	3736841.00	11.18771	(11062522)
500096.00	3736841.00	7.61570	(11062522)	500146.00	3736841.00	7.36040	(11062522)
500196.00	3736841.00	7.14946	(11062522)	500246.00	3736841.00	6.81745	(11062522)
500296.00	3736841.00	6.69336	(11062522)	500346.00	3736841.00	6.58017	(11062522)
500396.00	3736841.00	6.31640	(11062522)	500446.00	3736841.00	6.28257	(11062522)
500496.00	3736841.00	6.06135	(11062522)	496546.00	3736891.00	6.37378	(11051403)
496596.00	3736891.00	6.94666	(10110218)	496646.00	3736891.00	7.70595	(10110218)
496696.00	3736891.00	8.61249	(10110218)	496746.00	3736891.00	9.66967	(10110218)
496796.00	3736891.00	10.78894	(10110218)	497096.00	3736891.00	17.48452	(16062006)
497146.00	3736891.00	18.98622	(11091107)	497196.00	3736891.00	20.16228	(11091107)
497246.00	3736891.00	21.06486	(11091107)	497296.00	3736891.00	21.77505	(11091107)
497346.00	3736891.00	22.60685	(11091107)	497396.00	3736891.00	22.95961	(11091107)
497446.00	3736891.00	23.37759	(11091107)	497496.00	3736891.00	23.67219	(11091107)
497546.00	3736891.00	24.01434	(11091107)	497596.00	3736891.00	24.30505	(11091107)
497646.00	3736891.00	24.55742	(11091107)	497696.00	3736891.00	24.76853	(11091107)
497746.00	3736891.00	25.03582	(11091107)	498496.00	3736891.00	29.68166	(11091107)
498546.00	3736891.00	29.96805	(11091107)	498746.00	3736891.00	29.46009	(11091107)
498796.00	3736891.00	29.18052	(11091107)	498846.00	3736891.00	28.89839	(11091107)
499296.00	3736891.00	32.13056	(16062006)	499346.00	3736891.00	49.42945	(16010616)
499596.00	3736891.00	13.93935	(11062522)	499646.00	3736891.00	12.29464	(11062522)
499696.00	3736891.00	11.02721	(11062522)	499746.00	3736891.00	10.09416	(11062522)
499796.00	3736891.00	9.28795	(11062522)	499846.00	3736891.00	8.63872	(11062522)
499896.00	3736891.00	8.01951	(11062522)	499946.00	3736891.00	8.30336	(11062522)
499996.00	3736891.00	7.85791	(11062522)	500046.00	3736891.00	7.52989	(11062522)
500096.00	3736891.00	7.16672	(11062522)	500146.00	3736891.00	6.92035	(11062522)
500196.00	3736891.00	6.72997	(11062522)	500246.00	3736891.00	6.58756	(11062522)
500296.00	3736891.00	6.28891	(11062522)	500346.00	3736891.00	6.18374	(11062522)
500396.00	3736891.00	5.92269	(11062522)	500446.00	3736891.00	5.88966	(11062522)
500496.00	3736891.00	5.86560	(10030218)	496546.00	3736941.00	6.68506	(11051403)
496596.00	3736941.00	7.34287	(11051403)	496646.00	3736941.00	8.16126	(11051403)
496696.00	3736941.00	9.21995	(11051403)	496746.00	3736941.00	10.64745	(11051403)
496796.00	3736941.00	12.77732	(10110218)	497096.00	3736941.00	45.28221	(11091107)
497146.00	3736941.00	47.47164	(11091107)	497196.00	3736941.00	48.98518	(11091107)
497246.00	3736941.00	50.26231	(11091107)	497296.00	3736941.00	51.63028	(11091107)
497346.00	3736941.00	53.89036	(11091107)	497396.00	3736941.00	53.81740	(11091107)
497446.00	3736941.00	55.12454	(11091107)	497496.00	3736941.00	56.01883	(11091107)
497546.00	3736941.00	56.93285	(11091107)	497596.00	3736941.00	58.19955	(11091107)
497646.00	3736941.00	59.09457	(11091107)	497696.00	3736941.00	60.22986	(11091107)
497746.00	3736941.00	61.49514	(11091107)	498746.00	3736941.00	59.21872	(11091107)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
498796.00	3736941.00	60.58719	(16010616)	498846.00	3736941.00	59.91110	(11091107)
499596.00	3736941.00	13.21346	(11062522)	499646.00	3736941.00	11.55021	(11062522)
499696.00	3736941.00	10.30606	(11062522)	499746.00	3736941.00	9.40385	(11062522)
499796.00	3736941.00	8.63434	(11062522)	499846.00	3736941.00	8.01770	(11062522)
499896.00	3736941.00	7.43559	(11062522)	499946.00	3736941.00	7.63164	(11062522)
499996.00	3736941.00	7.28181	(11062522)	500046.00	3736941.00	7.01227	(11062522)
500096.00	3736941.00	6.74497	(11062522)	500146.00	3736941.00	6.41174	(11062522)
500196.00	3736941.00	6.24954	(14042604)	500246.00	3736941.00	6.17012	(10030218)
500296.00	3736941.00	5.88420	(10030218)	500346.00	3736941.00	5.84239	(10030218)
500396.00	3736941.00	5.59302	(10030218)	500446.00	3736941.00	5.62122	(10030218)
500496.00	3736941.00	5.45459	(10030218)	496546.00	3736991.00	6.62518	(15012517)
496596.00	3736991.00	7.30043	(15012517)	498696.00	3736991.00	57.12524	(14041207)
498746.00	3736991.00	57.72522	(14041207)	498796.00	3736991.00	58.57911	(14041207)
498846.00	3736991.00	59.60469	(14041207)	498896.00	3736991.00	60.22436	(14041207)
499696.00	3736991.00	9.89199	(14013117)	496546.00	3737041.00	6.35570	(11120524)
496596.00	3737041.00	6.98460	(11120524)	498696.00	3737041.00	25.97612	(14041207)
498746.00	3737041.00	26.21882	(14041207)	498796.00	3737041.00	26.44507	(14041207)
498846.00	3737041.00	26.68061	(14041207)	498896.00	3737041.00	26.91010	(14041207)
499696.00	3737041.00	9.25448	(14013117)	496546.00	3737091.00	6.79231	(11120524)
496596.00	3737091.00	6.64280	(11120524)	498746.00	3737091.00	15.98436	(14041207)
498796.00	3737091.00	16.09081	(14041207)	498846.00	3737091.00	16.19919	(14041207)
498896.00	3737091.00	16.30984	(14041207)	499696.00	3737091.00	8.24378	(14013117)
496546.00	3737141.00	9.69510	(10052121)	496596.00	3737141.00	8.47762	(10120517)
499696.00	3737141.00	7.46246	(16092818)	499396.00	3737191.00	9.88103	(14113016)
499446.00	3737191.00	9.36723	(14113016)	499496.00	3737191.00	8.42276	(14041207)
499546.00	3737191.00	7.72339	(14041207)	499596.00	3737191.00	7.11978	(16092818)
499646.00	3737191.00	6.93589	(16092818)	499696.00	3737191.00	6.71685	(16092818)
499396.00	3737241.00	8.48539	(14090718)	499446.00	3737241.00	7.86942	(14113016)
499496.00	3737241.00	6.91322	(15090418)	499546.00	3737241.00	6.47869	(14041207)
499596.00	3737241.00	6.20556	(16092818)	499646.00	3737241.00	6.10820	(16092818)
499696.00	3737241.00	5.99665	(16092818)	499396.00	3737291.00	7.48080	(14090718)
499446.00	3737291.00	6.79958	(14090718)	499496.00	3737291.00	6.27131	(10100517)
499546.00	3737291.00	5.80030	(14013017)	499596.00	3737291.00	5.47528	(14102417)
499646.00	3737291.00	5.41714	(16092818)	499696.00	3737291.00	5.35914	(16092818)
499396.00	3737341.00	6.69701	(14090718)	499446.00	3737341.00	6.18730	(14090718)
499496.00	3737341.00	5.76581	(10100517)	499546.00	3737341.00	5.33795	(16091223)
499596.00	3737341.00	5.07081	(14013017)	499646.00	3737341.00	4.88386	(14102417)
499696.00	3737341.00	4.80084	(16092818)	498945.00	3736941.00	74.97823	(11091107)
498995.00	3736943.00	60.21603	(11091107)	498945.00	3736894.00	29.67858	(11091107)
498995.00	3736897.00	30.79777	(11091107)				

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499046.00	3736191.00	14.66468	(15042919)	499096.00	3736191.00	16.84894	(15042919)
499146.00	3736191.00	19.99230	(15042919)	499196.00	3736191.00	19.57880	(15042919)
499246.00	3736191.00	20.84668	(15042919)	499296.00	3736191.00	20.33814	(15042919)
499346.00	3736191.00	20.39036	(14100418)	499396.00	3736191.00	19.92114	(14100418)
499446.00	3736191.00	19.83207	(10030518)	499496.00	3736191.00	19.39725	(15111718)
499546.00	3736191.00	19.36791	(15111718)	499596.00	3736191.00	18.88609	(15111718)
499646.00	3736191.00	18.72815	(15111718)	499696.00	3736191.00	18.92904	(15111718)
499746.00	3736191.00	18.60930	(15111718)	499796.00	3736191.00	18.82294	(15111718)
499846.00	3736191.00	18.82716	(15111718)	499896.00	3736191.00	18.59079	(15111718)
499946.00	3736191.00	18.34019	(15111718)	499996.00	3736191.00	18.29990	(15111718)
500046.00	3736191.00	18.21312	(15111718)	500096.00	3736191.00	17.99519	(15121117)
500146.00	3736191.00	17.98551	(15121117)	500196.00	3736191.00	17.86713	(15121117)
500246.00	3736191.00	17.69999	(15121117)	500296.00	3736191.00	17.60595	(15121117)
500346.00	3736191.00	17.49325	(15121117)	500396.00	3736191.00	17.39369	(15121107)
500446.00	3736191.00	17.15531	(15121107)	500496.00	3736191.00	17.07431	(15121107)
499046.00	3736241.00	15.20665	(15042919)	499096.00	3736241.00	17.35748	(15042919)
499146.00	3736241.00	20.31671	(15042919)	499196.00	3736241.00	19.87921	(15042919)
499246.00	3736241.00	21.09259	(14100418)	499296.00	3736241.00	20.57886	(14100418)
499346.00	3736241.00	20.68413	(10030518)	499396.00	3736241.00	20.36766	(15111718)
499446.00	3736241.00	20.38248	(15111718)	499496.00	3736241.00	20.09135	(15111718)
499546.00	3736241.00	19.97653	(15111718)	499596.00	3736241.00	19.32855	(15111718)
499646.00	3736241.00	19.24741	(15111718)	499696.00	3736241.00	18.94319	(15111718)
499746.00	3736241.00	19.14836	(15111718)	499796.00	3736241.00	18.99194	(15111718)
499846.00	3736241.00	19.25267	(15111718)	499896.00	3736241.00	19.15953	(15121117)
499946.00	3736241.00	19.06092	(15121117)	499996.00	3736241.00	19.08126	(15121117)
500046.00	3736241.00	18.88517	(15121117)	500096.00	3736241.00	18.79103	(15121117)
500146.00	3736241.00	18.72537	(15121117)	500196.00	3736241.00	18.54619	(15121117)
500246.00	3736241.00	18.31839	(15121107)	500296.00	3736241.00	18.29625	(15012407)
500346.00	3736241.00	18.27582	(15012407)	500396.00	3736241.00	18.12386	(15012407)

500446.00	3736241.00	18.01177	(15012407)	500496.00	3736241.00	17.89914	(15012407)
499046.00	3736291.00	15.61966	(15042919)	499096.00	3736291.00	17.67589	(15042919)
499146.00	3736291.00	20.03267	(14100418)	499196.00	3736291.00	20.12180	(14100418)
499246.00	3736291.00	21.29443	(15111718)	499296.00	3736291.00	21.17764	(15111718)
499346.00	3736291.00	21.02690	(15111718)	499396.00	3736291.00	21.04838	(15111718)
499446.00	3736291.00	20.63011	(15111718)	499496.00	3736291.00	20.60222	(15111718)
499546.00	3736291.00	20.16996	(15111718)	499596.00	3736291.00	19.80778	(15111718)
499646.00	3736291.00	19.76937	(15111718)	499696.00	3736291.00	19.60675	(15121117)
499746.00	3736291.00	19.95307	(15121117)	499796.00	3736291.00	19.80179	(15121117)
499846.00	3736291.00	20.15771	(15121117)	499896.00	3736291.00	20.25401	(15121117)
499946.00	3736291.00	20.05362	(15121117)	499996.00	3736291.00	20.05547	(15121107)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
500046.00	3736291.00	19.76330	(15121107)	500096.00	3736291.00	19.76846	(15012407)
500146.00	3736291.00	19.69657	(15012407)	500196.00	3736291.00	19.55260	(15012407)
500246.00	3736291.00	19.51584	(15012407)	500296.00	3736291.00	19.45138	(15012407)
500346.00	3736291.00	19.28455	(15012407)	500396.00	3736291.00	19.05466	(15012407)
500446.00	3736291.00	18.88168	(15012407)	500496.00	3736291.00	18.65139	(15012407)
499046.00	3736341.00	15.89660	(15042919)	499096.00	3736341.00	17.92223	(14100418)
499146.00	3736341.00	17.53306	(15111718)	499196.00	3736341.00	20.75897	(15111718)
499246.00	3736341.00	20.40990	(15111718)	499296.00	3736341.00	21.78898	(15111718)
499346.00	3736341.00	21.38333	(15111718)	499396.00	3736341.00	21.42459	(15111718)
499446.00	3736341.00	21.06799	(15111718)	499496.00	3736341.00	21.26488	(15052222)
499546.00	3736341.00	20.99135	(15052222)	499596.00	3736341.00	20.74613	(15121107)
499646.00	3736341.00	20.80498	(15121107)	499696.00	3736341.00	20.87111	(15121107)
499746.00	3736341.00	21.34575	(15121107)	499796.00	3736341.00	21.17682	(15121107)
499846.00	3736341.00	21.64693	(15121107)	499896.00	3736341.00	21.80031	(15121107)
499946.00	3736341.00	21.45280	(15012407)	499996.00	3736341.00	21.58709	(15012407)
500046.00	3736341.00	21.43060	(15012407)	500096.00	3736341.00	21.38120	(15012407)
500146.00	3736341.00	21.05902	(15012407)	500196.00	3736341.00	20.94975	(15012407)
500246.00	3736341.00	20.81327	(15012407)	500296.00	3736341.00	20.56430	(15012407)
500346.00	3736341.00	20.23709	(15012407)	500396.00	3736341.00	20.01992	(15100118)
500446.00	3736341.00	19.83165	(15100118)	500496.00	3736341.00	19.39146	(15100118)
499046.00	3736391.00	16.15929	(14100418)	499096.00	3736391.00	18.04044	(15111718)
499146.00	3736391.00	18.09475	(15111718)	499196.00	3736391.00	20.91431	(15111718)
499246.00	3736391.00	20.85119	(15111718)	499296.00	3736391.00	20.95325	(15111718)
499346.00	3736391.00	21.91641	(15121117)	499396.00	3736391.00	21.66416	(15121107)
499446.00	3736391.00	22.36399	(15052222)	499496.00	3736391.00	22.16781	(15052222)
499546.00	3736391.00	22.65130	(15121107)	499596.00	3736391.00	22.65883	(15121107)
499646.00	3736391.00	22.99168	(15121107)	499696.00	3736391.00	23.43755	(15121107)
499746.00	3736391.00	23.42306	(15121107)	499796.00	3736391.00	23.40386	(15012407)
499846.00	3736391.00	23.88245	(15012407)	499896.00	3736391.00	23.72085	(15012407)
499946.00	3736391.00	23.59524	(15012407)	499996.00	3736391.00	23.61617	(15012407)
500046.00	3736391.00	23.51235	(15012407)	500096.00	3736391.00	23.12695	(15012407)
500146.00	3736391.00	22.84335	(15012407)	500196.00	3736391.00	22.60034	(15100118)
500246.00	3736391.00	22.24418	(15100118)	500296.00	3736391.00	21.79964	(15100118)
500346.00	3736391.00	21.49763	(15100118)	500396.00	3736391.00	21.12680	(15100118)
500446.00	3736391.00	20.47467	(15100118)	500496.00	3736391.00	20.06861	(15100118)
499046.00	3736441.00	16.64477	(15111718)	499096.00	3736441.00	16.33582	(15111718)
499146.00	3736441.00	18.46992	(15111718)	499196.00	3736441.00	18.16492	(15111718)
499246.00	3736441.00	21.32672	(15121117)	499296.00	3736441.00	21.19041	(15121117)
499346.00	3736441.00	23.30585	(15121107)	499396.00	3736441.00	23.62727	(16110721)
499446.00	3736441.00	24.87145	(16110721)	499496.00	3736441.00	24.95571	(16110721)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499546.00	3736441.00	25.60626	(16110721)	499596.00	3736441.00	25.82666	(15100118)
499646.00	3736441.00	26.41001	(15100118)	499696.00	3736441.00	26.51785	(15100118)
499746.00	3736441.00	26.93806	(15100118)	499796.00	3736441.00	27.00015	(15100118)
499846.00	3736441.00	27.51730	(15100118)	499896.00	3736441.00	27.23461	(15100118)

499946.00	3736441.00	27.05157	(15100118)	499996.00	3736441.00	26.94918	(15100118)
500046.00	3736441.00	26.76451	(15100118)	500096.00	3736441.00	26.08290	(15100118)
500146.00	3736441.00	25.57154	(15100118)	500196.00	3736441.00	24.86875	(15100118)
500246.00	3736441.00	24.07504	(15100118)	500296.00	3736441.00	23.43000	(15100118)
500346.00	3736441.00	22.60755	(15100118)	500396.00	3736441.00	21.62404	(15100118)
500446.00	3736441.00	20.96021	(15100118)	500496.00	3736441.00	20.35360	(15100118)
499046.00	3736491.00	17.00564	(15111718)	499096.00	3736491.00	16.66576	(15111718)
499146.00	3736491.00	18.73859	(15121117)	499196.00	3736491.00	18.61877	(15121117)
499246.00	3736491.00	22.16753	(15012407)	499296.00	3736491.00	22.40869	(15012407)
499346.00	3736491.00	25.99540	(16110721)	499396.00	3736491.00	28.18609	(11040107)
499446.00	3736491.00	30.43204	(16110721)	499496.00	3736491.00	34.07722	(11091107)
499546.00	3736491.00	35.91423	(11091107)	499596.00	3736491.00	36.38272	(11091107)
499646.00	3736491.00	36.28114	(11091107)	499696.00	3736491.00	35.92425	(11091107)
499746.00	3736491.00	35.33852	(11091107)	499796.00	3736491.00	34.76464	(11091107)
499846.00	3736491.00	34.04683	(11091107)	499896.00	3736491.00	33.42930	(15100118)
499946.00	3736491.00	33.08611	(15100118)	499996.00	3736491.00	32.80355	(15100118)
500196.00	3736491.00	28.39250	(15100118)	500246.00	3736491.00	26.67052	(15100118)
500296.00	3736491.00	24.74531	(11100518)	500346.00	3736491.00	23.16773	(11100518)
500396.00	3736491.00	22.05204	(11100518)	500446.00	3736491.00	21.16798	(11100518)
500496.00	3736491.00	20.44571	(11100518)	499046.00	3736541.00	17.34927	(15012407)
499096.00	3736541.00	17.15460	(15012407)	499146.00	3736541.00	19.23080	(15012407)
499196.00	3736541.00	19.50741	(15012407)	499246.00	3736541.00	23.30930	(15100118)
499296.00	3736541.00	24.44142	(15100118)	499346.00	3736541.00	43.01840	(16010616)
499396.00	3736541.00	67.32323	(16010616)	499446.00	3736541.00	55.63818	(11091107)
499496.00	3736541.00	54.70041	(11091107)	499546.00	3736541.00	72.14574	(11091107)
499596.00	3736541.00	54.13233	(11091107)	499646.00	3736541.00	51.96361	(11091107)
499696.00	3736541.00	68.45040	(11091107)	499746.00	3736541.00	51.20834	(11091107)
499796.00	3736541.00	67.63225	(11091107)	499846.00	3736541.00	65.00142	(11091107)
499896.00	3736541.00	48.57682	(11091107)	499946.00	3736541.00	64.19545	(11091107)
499996.00	3736541.00	61.69924	(11091107)	500196.00	3736541.00	42.30182	(16082707)
500246.00	3736541.00	30.21582	(11100518)	500296.00	3736541.00	26.22173	(11100518)
500346.00	3736541.00	24.08323	(11100518)	500396.00	3736541.00	22.65989	(11100518)
500446.00	3736541.00	21.63300	(11100518)	500496.00	3736541.00	20.67007	(11100518)
496546.00	3736591.00	64.50888	(11010316)	496596.00	3736591.00	70.08738	(11010316)
496646.00	3736591.00	71.36617	(11010316)	496696.00	3736591.00	68.42354	(11010316)
496746.00	3736591.00	64.46402	(11081419)	496796.00	3736591.00	68.46806	(14100219)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
497196.00	3736591.00	82.93125	(11102417)	497246.00	3736591.00	82.07204	(10101407)
497296.00	3736591.00	97.66845	(15062919)	497346.00	3736591.00	103.49167	(16072419)
497396.00	3736591.00	78.42406	(11101717)	497446.00	3736591.00	76.29270	(14101817)
497496.00	3736591.00	74.10956	(10071619)	497546.00	3736591.00	70.57179	(15101717)
497596.00	3736591.00	66.13901	(11101517)	497646.00	3736591.00	63.41805	(16050618)
497696.00	3736591.00	60.74779	(16050618)	497746.00	3736591.00	56.34931	(15090718)
499296.00	3736591.00	29.67206	(16010616)	499346.00	3736591.00	62.21884	(16010616)
499796.00	3736591.00	55.30649	(14041207)	499846.00	3736591.00	55.58182	(14041207)
499896.00	3736591.00	55.94709	(14041207)	499946.00	3736591.00	56.49913	(14041207)
499996.00	3736591.00	56.58816	(14041207)	500046.00	3736591.00	56.70829	(14041207)
500096.00	3736591.00	55.85989	(14041207)	500146.00	3736591.00	49.92382	(14041207)
496546.00	3736641.00	62.97763	(11010316)	496596.00	3736641.00	74.42629	(11010316)
496646.00	3736641.00	82.23928	(11010316)	496696.00	3736641.00	84.73498	(11010316)
496746.00	3736641.00	81.40258	(11010316)	496796.00	3736641.00	75.44635	(11081419)
497246.00	3736641.00	110.71174	(16102717)	497296.00	3736641.00	120.14633	(15062919)
497346.00	3736641.00	123.31460	(10091418)	497396.00	3736641.00	102.09542	(14101817)
497446.00	3736641.00	86.08578	(10071619)	497496.00	3736641.00	81.89712	(15101717)
497546.00	3736641.00	84.68617	(11101517)	497596.00	3736641.00	77.02654	(16050618)
497646.00	3736641.00	72.54509	(16050618)	497696.00	3736641.00	65.11354	(16050618)
497746.00	3736641.00	60.17336	(15031518)	499296.00	3736641.00	29.06648	(16010616)
499346.00	3736641.00	54.93325	(16010616)	499796.00	3736641.00	27.66960	(11100518)
499846.00	3736641.00	27.16884	(11100518)	499896.00	3736641.00	27.20182	(11100518)
499946.00	3736641.00	27.12642	(11100518)	499996.00	3736641.00	26.88996	(11100518)
500046.00	3736641.00	26.31034	(11100518)	500096.00	3736641.00	25.82607	(11100518)
500146.00	3736641.00	24.79985	(11100518)	496546.00	3736691.00	57.41243	(15090818)
496596.00	3736691.00	71.03370	(11010316)	496646.00	3736691.00	86.62311	(11010316)
496696.00	3736691.00	97.54137	(11010316)	496746.00	3736691.00	101.87726	(11010316)
496796.00	3736691.00	97.88692	(11010316)	497246.00	3736691.00	104.57843	(15062919)
497296.00	3736691.00	138.79283	(10071620)	497346.00	3736691.00	137.83948	(14091419)
497396.00	3736691.00	104.70684	(10071619)	497446.00	3736691.00	97.10767	(10071619)
497496.00	3736691.00	91.84777	(15101717)	497546.00	3736691.00	132.17246	(10071421)
497596.00	3736691.00	89.75443	(16050618)	497646.00	3736691.00	78.24427	(16050618)
497696.00	3736691.00	69.46746	(15031518)	497746.00	3736691.00	63.17612	(15031518)
498796.00	3736691.00	21.87641	(15012407)	498846.00	3736691.00	21.27223	(15012407)
499296.00	3736691.00	27.34842	(15100118)	499346.00	3736691.00	50.72830	(16010616)
499796.00	3736691.00	25.59592	(11100518)	499846.00	3736691.00	24.87503	(11100518)

499896.00	3736691.00	24.69946	(11100518)	499946.00	3736691.00	24.05570	(11100518)
499996.00	3736691.00	23.91104	(11100518)	500046.00	3736691.00	23.39879	(15050619)
500096.00	3736691.00	22.83877	(15050619)	500146.00	3736691.00	22.10059	(15050619)
496546.00	3736741.00	60.12350	(15031418)	496596.00	3736741.00	66.05661	(15090818)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
496646.00	3736741.00	81.01230	(11010316)	496696.00	3736741.00	102.82829	(11010316)
496746.00	3736741.00	118.58956	(11010316)	496796.00	3736741.00	124.94498	(11010316)
497246.00	3736741.00	121.81701	(15062919)	497296.00	3736741.00	119.86881	(15062919)
497346.00	3736741.00	131.19169	(10071619)	497396.00	3736741.00	116.19620	(10071619)
497446.00	3736741.00	111.96597	(16050618)	497496.00	3736741.00	115.51577	(16050618)
497546.00	3736741.00	110.39396	(16050618)	497596.00	3736741.00	101.04630	(15031518)
497646.00	3736741.00	81.38375	(15031518)	497696.00	3736741.00	73.56333	(11100617)
497746.00	3736741.00	67.51610	(11100617)	498796.00	3736741.00	22.80042	(15012407)
498846.00	3736741.00	22.14735	(15012407)	499296.00	3736741.00	27.58403	(16062006)
499346.00	3736741.00	48.72210	(16010616)	500096.00	3736741.00	21.90493	(11062522)
500146.00	3736741.00	21.36473	(11062522)	496546.00	3736791.00	64.23812	(15031418)
496596.00	3736791.00	70.81652	(15031418)	496646.00	3736791.00	77.30466	(15031418)
496696.00	3736791.00	93.82908	(11010316)	496746.00	3736791.00	124.72583	(11010316)
496796.00	3736791.00	149.76278	(11010316)	497196.00	3736791.00	146.01380	(15062919)
497246.00	3736791.00	142.86141	(15062919)	497296.00	3736791.00	140.17133	(15062919)
497346.00	3736791.00	139.86521	(10071619)	497396.00	3736791.00	140.33877	(16050618)
497446.00	3736791.00	145.80928	(16050618)	497496.00	3736791.00	141.11296	(16050618)
497546.00	3736791.00	122.34953	(16050618)	497596.00	3736791.00	151.97906	(10082124)
497646.00	3736791.00	87.24467	(11100617)	497696.00	3736791.00	78.47216	(11100617)
497746.00	3736791.00	72.00438	(15042919)	498496.00	3736791.00	29.32004	(15012407)
498546.00	3736791.00	28.23449	(15012407)	498796.00	3736791.00	24.56152	(11100518)
498846.00	3736791.00	24.00911	(11100518)	499296.00	3736791.00	28.61259	(16062006)
499346.00	3736791.00	47.78012	(16010616)	499596.00	3736791.00	28.26752	(11062522)
499646.00	3736791.00	26.81860	(11062522)	499696.00	3736791.00	26.09606	(11062522)
500096.00	3736791.00	21.70694	(11062522)	500146.00	3736791.00	21.09685	(11062522)
500196.00	3736791.00	20.66529	(11062522)	500246.00	3736791.00	20.34445	(11062522)
500296.00	3736791.00	20.07967	(11062522)	500346.00	3736791.00	19.58240	(11062522)
500396.00	3736791.00	19.30669	(11062522)	500446.00	3736791.00	19.13654	(11062522)
500496.00	3736791.00	18.67079	(11062522)	496546.00	3736841.00	66.08115	(14100722)
496596.00	3736841.00	73.63458	(14100722)	496646.00	3736841.00	83.62686	(15031418)
496696.00	3736841.00	94.53075	(15031418)	496746.00	3736841.00	109.66803	(11010316)
496796.00	3736841.00	157.97945	(11010316)	497196.00	3736841.00	181.69098	(15062919)
497246.00	3736841.00	184.47438	(10020417)	497296.00	3736841.00	183.58821	(16050618)
497346.00	3736841.00	181.71345	(16050618)	497396.00	3736841.00	189.87588	(16050618)
497446.00	3736841.00	191.34194	(16050618)	497496.00	3736841.00	163.85652	(16050618)
497546.00	3736841.00	136.93409	(11091107)	497596.00	3736841.00	114.05349	(11091107)
497646.00	3736841.00	95.38584	(15042919)	497696.00	3736841.00	85.86294	(15042919)
497746.00	3736841.00	76.94724	(14100418)	498496.00	3736841.00	32.16001	(11100518)
498546.00	3736841.00	31.22751	(11100518)	498796.00	3736841.00	27.43358	(11100518)
498846.00	3736841.00	26.80531	(11100518)	499296.00	3736841.00	30.52069	(16062006)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499346.00	3736841.00	47.69284	(16010616)	499596.00	3736841.00	29.29967	(11062522)
499646.00	3736841.00	27.52411	(11062522)	499696.00	3736841.00	26.54263	(11062522)
500096.00	3736841.00	21.36261	(11062522)	500146.00	3736841.00	20.96018	(11062522)
500196.00	3736841.00	20.57392	(11062522)	500246.00	3736841.00	19.97418	(11062522)
500296.00	3736841.00	19.70041	(11062522)	500346.00	3736841.00	19.43977	(11062522)
500396.00	3736841.00	18.89997	(11062522)	500446.00	3736841.00	18.72323	(11062522)
500496.00	3736841.00	18.24554	(11062522)	496546.00	3736891.00	68.37193	(10110218)
496596.00	3736891.00	75.97498	(10011117)	496646.00	3736891.00	86.63451	(10011117)
496696.00	3736891.00	99.70905	(14100722)	496746.00	3736891.00	116.68443	(15031418)
496796.00	3736891.00	137.46406	(15031418)	497096.00	3736891.00	242.05215	(16062006)
497146.00	3736891.00	248.83640	(16062006)	497196.00	3736891.00	270.86505	(14090307)

497246.00	3736891.00	297.15155	(11091107)	497296.00	3736891.00	289.58325	(11091107)
497346.00	3736891.00	297.87673	(11091107)	497396.00	3736891.00	295.26633	(11091107)
497446.00	3736891.00	255.31843	(11091107)	497496.00	3736891.00	203.85475	(11091107)
497546.00	3736891.00	160.19460	(11091107)	497596.00	3736891.00	126.11444	(11091107)
497646.00	3736891.00	103.61258	(15111718)	497696.00	3736891.00	91.91305	(15111718)
497746.00	3736891.00	82.49386	(15012407)	498496.00	3736891.00	37.48668	(11100518)
498546.00	3736891.00	36.52895	(11100518)	498746.00	3736891.00	33.16034	(11062522)
498796.00	3736891.00	32.46581	(11062522)	498846.00	3736891.00	31.79823	(11062522)
499296.00	3736891.00	35.43380	(16062006)	499346.00	3736891.00	50.02930	(16062006)
499596.00	3736891.00	29.66519	(11062522)	499646.00	3736891.00	27.87389	(11062522)
499696.00	3736891.00	26.37971	(11062522)	499746.00	3736891.00	25.31684	(11062522)
499796.00	3736891.00	24.11443	(11062522)	499846.00	3736891.00	23.30529	(11062522)
499896.00	3736891.00	22.17928	(11062522)	499946.00	3736891.00	22.69116	(11062522)
499996.00	3736891.00	21.96296	(11062522)	500046.00	3736891.00	21.39251	(11062522)
500096.00	3736891.00	20.78289	(11062522)	500146.00	3736891.00	20.37640	(11062522)
500196.00	3736891.00	20.03877	(10030218)	500246.00	3736891.00	19.81378	(10030218)
500296.00	3736891.00	19.27083	(10030218)	500346.00	3736891.00	19.12199	(10030218)
500396.00	3736891.00	18.58815	(10030218)	500446.00	3736891.00	18.51160	(10030218)
500496.00	3736891.00	18.32783	(10030218)	496546.00	3736941.00	72.45217	(10110218)
496596.00	3736941.00	81.73771	(10110218)	496646.00	3736941.00	92.92317	(10110218)
496696.00	3736941.00	106.64145	(10110218)	496746.00	3736941.00	123.56886	(10110218)
496796.00	3736941.00	148.34446	(10011117)	497096.00	3736941.00	509.28504	(11091107)
497146.00	3736941.00	542.07875	(11091107)	497196.00	3736941.00	609.61288	(11091107)
497246.00	3736941.00	571.79848	(11091107)	497296.00	3736941.00	584.38142	(11091107)
497346.00	3736941.00	629.00188	(11091107)	497396.00	3736941.00	488.66810	(11091107)
497446.00	3736941.00	347.63772	(11091107)	497496.00	3736941.00	250.34301	(11091107)
497546.00	3736941.00	188.08456	(11091107)	497596.00	3736941.00	148.86804	(11091107)
497646.00	3736941.00	123.12757	(11091107)	497696.00	3736941.00	109.29254	(16082707)
497746.00	3736941.00	99.19338	(16082707)	498746.00	3736941.00	60.05176	(11091107)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
498796.00	3736941.00	60.88456	(16010616)	498846.00	3736941.00	60.58317	(11091107)
499596.00	3736941.00	28.68335	(11062522)	499646.00	3736941.00	26.85833	(11062522)
499696.00	3736941.00	25.37436	(11062522)	499746.00	3736941.00	24.32661	(11062522)
499796.00	3736941.00	23.15809	(11062522)	499846.00	3736941.00	22.35617	(11062522)
499896.00	3736941.00	21.29890	(11062522)	499946.00	3736941.00	21.69927	(10030218)
499996.00	3736941.00	21.21157	(10030218)	500046.00	3736941.00	20.91804	(10030218)
500096.00	3736941.00	20.52195	(10030218)	500146.00	3736941.00	19.98950	(10030218)
500196.00	3736941.00	19.78225	(10030218)	500246.00	3736941.00	19.61987	(10030218)
500296.00	3736941.00	19.03487	(10030218)	500346.00	3736941.00	18.89206	(10030218)
500396.00	3736941.00	18.36109	(10030218)	500446.00	3736941.00	18.28446	(10030218)
500496.00	3736941.00	17.90025	(10030218)	496546.00	3736991.00	70.92092	(11051403)
496596.00	3736991.00	80.58624	(10110218)	498696.00	3736991.00	57.57128	(14041207)
498746.00	3736991.00	58.14268	(14041207)	498796.00	3736991.00	58.97013	(14041207)
498846.00	3736991.00	59.97288	(14041207)	498896.00	3736991.00	60.57132	(14041207)
499696.00	3736991.00	23.55642	(14042604)	496546.00	3737041.00	79.97676	(15012517)
496596.00	3737041.00	80.09788	(11051403)	498696.00	3737041.00	30.46603	(14013117)
498746.00	3737041.00	29.80031	(14013117)	498796.00	3737041.00	29.22593	(14013117)
498846.00	3737041.00	28.70470	(14013117)	498896.00	3737041.00	28.23886	(14013117)
499696.00	3737041.00	21.71137	(10030218)	496546.00	3737091.00	101.09956	(16112817)
496596.00	3737091.00	75.93631	(11120524)	498746.00	3737091.00	26.50903	(14013117)
498796.00	3737091.00	25.82221	(14013117)	498846.00	3737091.00	25.20055	(14013117)
498896.00	3737091.00	24.63250	(14013117)	499696.00	3737091.00	20.35964	(14013117)
496546.00	3737141.00	125.73134	(10052121)	496596.00	3737141.00	127.14404	(10052121)
499696.00	3737141.00	20.26065	(14013117)	499396.00	3737191.00	16.88963	(14013117)
499446.00	3737191.00	18.28336	(14013117)	499496.00	3737191.00	18.01910	(14013117)
499546.00	3737191.00	19.93243	(14013117)	499596.00	3737191.00	20.61507	(14013117)
499646.00	3737191.00	20.18539	(14013117)	499696.00	3737191.00	20.06582	(14013117)
499396.00	3737241.00	15.96501	(14013117)	499446.00	3737241.00	17.54401	(14013117)
499496.00	3737241.00	17.07435	(14013117)	499546.00	3737241.00	19.44192	(14013117)
499596.00	3737241.00	20.22142	(14013117)	499646.00	3737241.00	19.84535	(14013117)
499696.00	3737241.00	19.81044	(14013117)	499396.00	3737291.00	15.17740	(14013117)
499446.00	3737291.00	16.87679	(14013117)	499496.00	3737291.00	16.44641	(14013117)
499546.00	3737291.00	18.93929	(14013117)	499596.00	3737291.00	18.53641	(14013117)
499646.00	3737291.00	19.44478	(14013117)	499696.00	3737291.00	19.36151	(14013117)
499396.00	3737341.00	14.42759	(14013117)	499446.00	3737341.00	15.58717	(14013117)
499496.00	3737341.00	15.79698	(14013117)	499546.00	3737341.00	18.33506	(14013117)
499596.00	3737341.00	17.89708	(14013117)	499646.00	3737341.00	18.91646	(14013117)
499696.00	3737341.00	18.47689	(14013117)	498945.00	3736941.00	75.53246	(11091107)
498995.00	3736943.00	60.71795	(11091107)	498945.00	3736894.00	31.08251	(11062522)
498995.00	3736897.00	31.40258	(11091107)				

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499046.00	3736191.00	0.75164	(15121124)	499096.00	3736191.00	0.82472	(15121124)
499146.00	3736191.00	0.99684	(15121124)	499196.00	3736191.00	0.97332	(15121124)
499246.00	3736191.00	0.98898	(15121124)	499296.00	3736191.00	0.96673	(15121124)
499346.00	3736191.00	0.95375	(15121124)	499396.00	3736191.00	0.93264	(15121124)
499446.00	3736191.00	0.92080	(15121124)	499496.00	3736191.00	0.90031	(15121124)
499546.00	3736191.00	0.88913	(15121124)	499596.00	3736191.00	0.86437	(15121124)
499646.00	3736191.00	0.85000	(15121124)	499696.00	3736191.00	0.84047	(15121124)
499746.00	3736191.00	0.82108	(15121124)	499796.00	3736191.00	0.81062	(15121124)
499846.00	3736191.00	0.80012	(15121124)	499896.00	3736191.00	0.78317	(15121124)
499946.00	3736191.00	0.76616	(15121124)	499996.00	3736191.00	0.75790	(15121124)
500046.00	3736191.00	0.75183	(15121124)	500096.00	3736191.00	0.73464	(15121124)
500146.00	3736191.00	0.72970	(15121124)	500196.00	3736191.00	0.71904	(15121124)
500246.00	3736191.00	0.70837	(15121124)	500296.00	3736191.00	0.70227	(15121124)
500346.00	3736191.00	0.69614	(15121124)	500396.00	3736191.00	0.68934	(15121124)
500446.00	3736191.00	0.67390	(15121124)	500496.00	3736191.00	0.66720	(15121124)
499046.00	3736241.00	0.77125	(15121124)	499096.00	3736241.00	0.84964	(15121124)
499146.00	3736241.00	1.03238	(15121124)	499196.00	3736241.00	1.00659	(15121124)
499246.00	3736241.00	1.02224	(15121124)	499296.00	3736241.00	0.99695	(15121124)
499346.00	3736241.00	0.98265	(15121124)	499396.00	3736241.00	0.95856	(15121124)
499446.00	3736241.00	0.94337	(15121124)	499496.00	3736241.00	0.92227	(15121124)
499546.00	3736241.00	0.90934	(15121124)	499596.00	3736241.00	0.87747	(15121124)
499646.00	3736241.00	0.86529	(15121124)	499696.00	3736241.00	0.84390	(15121124)
499746.00	3736241.00	0.83238	(15121124)	499796.00	3736241.00	0.81437	(15121124)
499846.00	3736241.00	0.80360	(15121124)	499896.00	3736241.00	0.78659	(15121124)
499946.00	3736241.00	0.77068	(15121124)	499996.00	3736241.00	0.76055	(15121124)
500046.00	3736241.00	0.74435	(15121124)	500096.00	3736241.00	0.73442	(15121124)
500146.00	3736241.00	0.72840	(15121124)	500196.00	3736241.00	0.71601	(15121124)
500246.00	3736241.00	0.70366	(15121124)	500296.00	3736241.00	0.69717	(15121124)
500346.00	3736241.00	0.68988	(15121124)	500396.00	3736241.00	0.67536	(15121124)
500446.00	3736241.00	0.66521	(15121124)	500496.00	3736241.00	0.65740	(15121124)
499046.00	3736291.00	0.78891	(15121124)	499096.00	3736291.00	0.87243	(15121124)
499146.00	3736291.00	1.03833	(15121124)	499196.00	3736291.00	1.03576	(15121124)
499246.00	3736291.00	1.04512	(15121124)	499296.00	3736291.00	1.02223	(15121124)
499346.00	3736291.00	0.99804	(15121124)	499396.00	3736291.00	0.97888	(15121124)
499446.00	3736291.00	0.95254	(15121124)	499496.00	3736291.00	0.93783	(15121124)
499546.00	3736291.00	0.91261	(15121124)	499596.00	3736291.00	0.88798	(15121124)
499646.00	3736291.00	0.87389	(15121124)	499696.00	3736291.00	0.85025	(15121124)
499746.00	3736291.00	0.83689	(15121124)	499796.00	3736291.00	0.81385	(15121124)
499846.00	3736291.00	0.80015	(15121124)	499896.00	3736291.00	0.78673	(15121124)
499946.00	3736291.00	0.76644	(15121124)	499996.00	3736291.00	0.75465	(15121124)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
500046.00	3736291.00	0.73483	(15121124)	500096.00	3736291.00	0.72717	(15121124)
500146.00	3736291.00	0.71415	(15121124)	500196.00	3736291.00	0.70078	(15121124)
500246.00	3736291.00	0.69331	(15121124)	500296.00	3736291.00	0.68571	(15121124)
500346.00	3736291.00	0.67252	(15121124)	500396.00	3736291.00	0.65877	(15121124)
500446.00	3736291.00	0.65056	(15121124)	500496.00	3736291.00	0.64174	(15121124)
499046.00	3736341.00	0.80402	(15121124)	499096.00	3736341.00	0.89201	(15121124)
499146.00	3736341.00	0.86418	(15121124)	499196.00	3736341.00	1.05883	(15121124)
499246.00	3736341.00	1.02744	(15121124)	499296.00	3736341.00	1.04037	(15121124)
499346.00	3736341.00	1.00973	(15121124)	499396.00	3736341.00	0.98976	(15121124)
499446.00	3736341.00	0.96258	(15121124)	499496.00	3736341.00	0.94568	(15121124)
499546.00	3736341.00	0.91795	(15121124)	499596.00	3736341.00	0.89100	(15121124)
499646.00	3736341.00	0.87021	(15121124)	499696.00	3736341.00	0.84919	(15121124)
499746.00	3736341.00	0.83361	(15121124)	499796.00	3736341.00	0.80910	(15121124)
499846.00	3736341.00	0.79418	(15121124)	499896.00	3736341.00	0.78004	(15121124)
499946.00	3736341.00	0.75234	(15121124)	499996.00	3736341.00	0.74051	(15121124)
500046.00	3736341.00	0.72254	(15121124)	500096.00	3736341.00	0.71334	(15121124)
500146.00	3736341.00	0.69281	(15121124)	500196.00	3736341.00	0.68530	(15121124)
500246.00	3736341.00	0.67678	(15121124)	500296.00	3736341.00	0.66316	(15121124)

500346.00	3736341.00	0.64862	(15121124)	500396.00	3736341.00	0.63950	(15121124)
500446.00	3736341.00	0.63036	(15121124)	500496.00	3736341.00	0.61227	(15121124)
499046.00	3736391.00	0.81603	(15121124)	499096.00	3736391.00	0.88267	(15121124)
499146.00	3736391.00	0.87726	(15121124)	499196.00	3736391.00	1.06008	(15121124)
499246.00	3736391.00	1.03946	(15121124)	499296.00	3736391.00	1.01444	(15121124)
499346.00	3736391.00	1.01617	(15121124)	499396.00	3736391.00	0.98373	(15121124)
499446.00	3736391.00	0.96400	(15121124)	499496.00	3736391.00	0.93336	(15121124)
499546.00	3736391.00	0.91484	(15121124)	499596.00	3736391.00	0.88587	(15121124)
499646.00	3736391.00	0.86774	(15121124)	499696.00	3736391.00	0.84724	(15121124)
499746.00	3736391.00	0.82320	(15121124)	499796.00	3736391.00	0.79696	(15121124)
499846.00	3736391.00	0.78009	(15121124)	499896.00	3736391.00	0.75477	(15121124)
499946.00	3736391.00	0.73378	(15121124)	499996.00	3736391.00	0.71833	(15121124)
500046.00	3736391.00	0.70394	(15121124)	500096.00	3736391.00	0.68443	(15121124)
500146.00	3736391.00	0.67252	(15121124)	500196.00	3736391.00	0.66402	(15121124)
500246.00	3736391.00	0.64944	(15121124)	500296.00	3736391.00	0.63433	(15121124)
500346.00	3736391.00	0.62510	(15121124)	500396.00	3736391.00	0.61485	(15121124)
500446.00	3736391.00	0.59658	(15121124)	500496.00	3736391.00	0.58669	(15121124)
499046.00	3736441.00	0.82447	(15121124)	499096.00	3736441.00	0.79468	(15121124)
499146.00	3736441.00	0.88513	(15121124)	499196.00	3736441.00	0.85443	(15121124)
499246.00	3736441.00	1.04221	(15121124)	499296.00	3736441.00	1.00627	(15121124)
499346.00	3736441.00	1.01294	(15121124)	499396.00	3736441.00	0.97817	(15121124)
499446.00	3736441.00	0.95613	(15121124)	499496.00	3736441.00	0.92355	(15121124)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499546.00	3736441.00	0.90292	(15121124)	499596.00	3736441.00	0.87236	(15121124)
499646.00	3736441.00	0.85235	(15121124)	499696.00	3736441.00	0.82368	(15121124)
499746.00	3736441.00	0.80119	(15121124)	499796.00	3736441.00	0.77739	(15121124)
499846.00	3736441.00	0.75882	(15121124)	499896.00	3736441.00	0.73311	(15121124)
499946.00	3736441.00	0.71195	(15121124)	499996.00	3736441.00	0.69416	(15121124)
500046.00	3736441.00	0.67959	(15121124)	500096.00	3736441.00	0.65728	(15121124)
500146.00	3736441.00	0.64702	(15121124)	500196.00	3736441.00	0.63245	(15121124)
500246.00	3736441.00	0.61698	(15121124)	500296.00	3736441.00	0.60710	(15121124)
500346.00	3736441.00	0.59441	(15121124)	500396.00	3736441.00	0.57801	(15121124)
500446.00	3736441.00	0.56781	(15121124)	500496.00	3736441.00	0.55765	(15121124)
499046.00	3736491.00	0.82903	(15121124)	499096.00	3736491.00	0.79790	(15121124)
499146.00	3736491.00	0.87547	(15121124)	499196.00	3736491.00	0.85475	(15121124)
499246.00	3736491.00	1.03486	(15121124)	499296.00	3736491.00	0.99678	(15121124)
499346.00	3736491.00	0.99717	(15121124)	499396.00	3736491.00	0.96300	(15121124)
499446.00	3736491.00	0.93882	(15121124)	499496.00	3736491.00	0.90486	(15121124)
499546.00	3736491.00	0.88233	(15121124)	499596.00	3736491.00	0.85073	(15121124)
499646.00	3736491.00	0.82651	(15121124)	499696.00	3736491.00	0.79968	(15121124)
499746.00	3736491.00	0.77151	(15121124)	499796.00	3736491.00	0.75180	(15121124)
499846.00	3736491.00	0.72489	(15121124)	499896.00	3736491.00	0.70573	(15121124)
499946.00	3736491.00	0.68442	(15121124)	499996.00	3736491.00	0.66589	(15121124)
500196.00	3736491.00	0.59639	(15121124)	500246.00	3736491.00	0.58670	(15121124)
500296.00	3736491.00	0.57385	(15121124)	500346.00	3736491.00	0.55711	(15121124)
500396.00	3736491.00	0.54700	(15121124)	500446.00	3736491.00	0.53638	(15121124)
500496.00	3736491.00	0.52581	(15121124)	499046.00	3736541.00	0.82953	(15121124)
499096.00	3736541.00	0.79730	(15121124)	499146.00	3736541.00	0.85974	(15121124)
499196.00	3736541.00	0.84918	(15121124)	499246.00	3736541.00	1.01720	(15121124)
499296.00	3736541.00	0.97799	(15121124)	499346.00	3736541.00	0.97619	(15121124)
499396.00	3736541.00	0.93853	(15121124)	499446.00	3736541.00	0.91251	(15121124)
499496.00	3736541.00	0.87782	(15121124)	499546.00	3736541.00	0.84708	(15121124)
499596.00	3736541.00	0.82142	(15121124)	499646.00	3736541.00	0.79115	(15121124)
499696.00	3736541.00	0.76419	(15121124)	499746.00	3736541.00	0.74099	(15121124)
499796.00	3736541.00	0.71386	(15121124)	499846.00	3736541.00	0.69387	(15121124)
499896.00	3736541.00	0.67382	(15121124)	499946.00	3736541.00	0.65230	(15121124)
499996.00	3736541.00	0.63311	(15121124)	500196.00	3736541.00	0.56390	(15121124)
500246.00	3736541.00	0.55366	(15121124)	500296.00	3736541.00	0.53479	(15121124)
500346.00	3736541.00	0.52434	(15121124)	500396.00	3736541.00	0.51388	(15121124)
500446.00	3736541.00	0.50300	(15121124)	500496.00	3736541.00	0.48800	(15121124)
496546.00	3736591.00	6.42111	(11120624)	496596.00	3736591.00	7.41671	(14122324)
496646.00	3736591.00	8.43743	(14122324)	496696.00	3736591.00	9.36176	(14122324)
496746.00	3736591.00	10.06910	(14122324)	496796.00	3736591.00	10.45398	(14122324)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
497196.00	3736591.00	14.49811	(14063024)	497246.00	3736591.00	12.84462	(14063024)
497296.00	3736591.00	13.16825	(15101624)	497346.00	3736591.00	15.12360	(15072124)
497396.00	3736591.00	8.68486c	(16050824)	497446.00	3736591.00	7.39920c	(16050824)
497496.00	3736591.00	6.35576c	(14020524)	497546.00	3736591.00	5.75106b	(14111524)
497596.00	3736591.00	5.22275b	(14111524)	497646.00	3736591.00	4.73217b	(14111524)
497696.00	3736591.00	4.28465b	(14111524)	497746.00	3736591.00	3.88227b	(14111524)
499296.00	3736591.00	0.94937	(15121124)	499346.00	3736591.00	0.94362	(15121124)
499796.00	3736591.00	0.67935	(15121124)	499846.00	3736591.00	0.65901	(15121124)
499896.00	3736591.00	0.63524	(15121124)	499946.00	3736591.00	0.61567	(15121124)
499996.00	3736591.00	0.59673	(15121124)	500046.00	3736591.00	0.57574	(15121124)
500096.00	3736591.00	0.56022	(15121124)	500146.00	3736591.00	0.54069	(15121124)
496546.00	3736641.00	7.01012	(11120624)	496596.00	3736641.00	7.69285	(11120624)
496646.00	3736641.00	9.02926	(14122324)	496696.00	3736641.00	10.38927	(14122324)
496746.00	3736641.00	11.58961	(14122324)	496796.00	3736641.00	12.43742	(14122324)
497246.00	3736641.00	16.83093	(16090824)	497296.00	3736641.00	19.88567	(15072124)
497346.00	3736641.00	17.68007	(15072124)	497396.00	3736641.00	10.37281c	(16050824)
497446.00	3736641.00	7.68257c	(14020524)	497496.00	3736641.00	6.86995b	(14111524)
497546.00	3736641.00	6.33883b	(14111524)	497596.00	3736641.00	5.51467b	(14111524)
497646.00	3736641.00	4.93860b	(14111524)	497696.00	3736641.00	4.42819	(10112824)
497746.00	3736641.00	4.00050	(10112824)	499296.00	3736641.00	0.91318	(15121124)
499346.00	3736641.00	0.88452	(15121124)	499796.00	3736641.00	0.64180	(15121124)
499846.00	3736641.00	0.61783	(15121124)	499896.00	3736641.00	0.59844	(15121124)
499946.00	3736641.00	0.58117	(11123024)	499996.00	3736641.00	0.57399	(10041224)
500046.00	3736641.00	0.56508	(10041224)	500096.00	3736641.00	0.56079	(10041224)
500146.00	3736641.00	0.55041	(10041224)	496546.00	3736691.00	7.36341	(11120624)
496596.00	3736691.00	8.41707	(11120624)	496646.00	3736691.00	9.42072	(11120624)
496696.00	3736691.00	11.28762	(14122324)	496746.00	3736691.00	13.17873	(14122324)
496796.00	3736691.00	14.79435	(14122324)	497246.00	3736691.00	16.67806	(16090824)
497296.00	3736691.00	22.54444	(15072124)	497346.00	3736691.00	17.73429	(14111224)
497396.00	3736691.00	9.63553	(16011824)	497446.00	3736691.00	8.38988b	(14111524)
497496.00	3736691.00	7.40729b	(14111524)	497546.00	3736691.00	8.91000	(14111224)
497596.00	3736691.00	5.76902	(10112824)	497646.00	3736691.00	5.13937	(10112824)
497696.00	3736691.00	4.56695	(10112824)	497746.00	3736691.00	4.05822	(10112824)
498796.00	3736691.00	1.01434	(15121124)	498846.00	3736691.00	0.96720	(15121124)
499296.00	3736691.00	0.87069	(15121124)	499346.00	3736691.00	0.83362	(15121124)
499796.00	3736691.00	0.63671	(11123024)	499846.00	3736691.00	0.62224	(11123024)
499896.00	3736691.00	0.61362	(11123024)	499946.00	3736691.00	0.60081	(11123024)
499996.00	3736691.00	0.59534	(10041224)	500046.00	3736691.00	0.58774	(10041224)
500096.00	3736691.00	0.57952	(10041224)	500146.00	3736691.00	0.57132	(10041224)
496546.00	3736741.00	7.38875	(11120624)	496596.00	3736741.00	8.78882	(11120624)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
496646.00	3736741.00	10.32905	(11120624)	496696.00	3736741.00	11.87610	(14122324)
496746.00	3736741.00	14.61369	(14122324)	496796.00	3736741.00	17.39407	(14122324)
497246.00	3736741.00	18.62732c	(16050824)	497296.00	3736741.00	15.27388c	(16050824)
497346.00	3736741.00	13.13026c	(15013024)	497396.00	3736741.00	10.52074b	(14111524)
497446.00	3736741.00	9.11120b	(14111524)	497496.00	3736741.00	7.87544b	(14111524)
497546.00	3736741.00	6.89236	(10112824)	497596.00	3736741.00	6.33797	(10112824)
497646.00	3736741.00	5.24612	(10112824)	497696.00	3736741.00	4.61749b	(14111524)
497746.00	3736741.00	4.13319	(15121124)	498796.00	3736741.00	1.00098	(15121124)
498846.00	3736741.00	0.95359	(15121124)	499296.00	3736741.00	0.71197	(15121124)
499346.00	3736741.00	0.78299	(15121124)	500096.00	3736741.00	0.59679	(10041224)
500146.00	3736741.00	0.58739	(10041224)	496546.00	3736791.00	8.10119c	(14012324)
496596.00	3736791.00	9.23703c	(14012324)	496646.00	3736791.00	10.67685	(11120624)
496696.00	3736791.00	13.03003	(11120624)	496746.00	3736791.00	15.55870	(14122324)
496796.00	3736791.00	19.86540	(14122324)	497196.00	3736791.00	27.62315	(16090824)
497246.00	3736791.00	21.35508c	(16050824)	497296.00	3736791.00	16.64809	(16011824)
497346.00	3736791.00	13.71538b	(14111524)	497396.00	3736791.00	11.52819b	(14111524)
497446.00	3736791.00	9.80301	(10112824)	497496.00	3736791.00	8.34593	(10112824)
497546.00	3736791.00	7.09839	(10112824)	497596.00	3736791.00	8.84387	(15121124)
497646.00	3736791.00	5.33727	(15121124)	497696.00	3736791.00	4.79826	(15121124)
497746.00	3736791.00	4.32273	(15121124)	498496.00	3736791.00	1.35934	(15121124)
498546.00	3736791.00	1.28294	(15121124)	498796.00	3736791.00	0.98334	(15121124)
498846.00	3736791.00	0.93617	(15121124)	499296.00	3736791.00	0.69182	(11123024)
499346.00	3736791.00	0.66974	(11123024)	499596.00	3736791.00	0.72431	(11123024)
499646.00	3736791.00	0.70486	(11123024)	499696.00	3736791.00	0.69319	(11123024)
500096.00	3736791.00	0.61182	(10041224)	500146.00	3736791.00	0.60041	(10041224)

500196.00	3736791.00	0.59160	(10041224)	500246.00	3736791.00	0.58479	(10041224)
500296.00	3736791.00	0.57786	(10041224)	500346.00	3736791.00	0.56716	(10041224)
500396.00	3736791.00	0.55874	(10041224)	500446.00	3736791.00	0.55198	(10041224)
500496.00	3736791.00	0.54074	(10041224)	496546.00	3736841.00	8.68238	(11010224)
496596.00	3736841.00	10.08178	(11010224)	496646.00	3736841.00	11.83896c	(14012324)
496696.00	3736841.00	13.98858c	(14012324)	496746.00	3736841.00	16.99856	(11120624)
496796.00	3736841.00	21.48840	(14122324)	497196.00	3736841.00	32.28868c	(16050824)
497246.00	3736841.00	24.01806	(16011824)	497296.00	3736841.00	18.84257b	(14111524)
497346.00	3736841.00	15.29545	(10112824)	497396.00	3736841.00	12.52043	(10112824)
497446.00	3736841.00	10.25392	(10112824)	497496.00	3736841.00	8.51571b	(14111524)
497546.00	3736841.00	7.25650	(15121124)	497596.00	3736841.00	6.35132	(15121124)
497646.00	3736841.00	5.59949	(15121124)	497696.00	3736841.00	4.97479	(15121124)
497746.00	3736841.00	4.44307	(15121124)	498496.00	3736841.00	1.33522	(15121124)
498546.00	3736841.00	1.25910	(15121124)	498796.00	3736841.00	0.96226	(15121124)
498846.00	3736841.00	0.91580	(15121124)	499296.00	3736841.00	0.68247	(11123024)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499346.00	3736841.00	0.67885	(11123024)	499596.00	3736841.00	0.73636	(11123024)
499646.00	3736841.00	0.71625	(11123024)	499696.00	3736841.00	0.70388	(11123024)
500096.00	3736841.00	0.61756	(10041224)	500146.00	3736841.00	0.60982	(10041224)
500196.00	3736841.00	0.60093	(10041224)	500246.00	3736841.00	0.58848	(10041224)
500296.00	3736841.00	0.58072	(10041224)	500346.00	3736841.00	0.57312	(10041224)
500396.00	3736841.00	0.56059	(10041224)	500446.00	3736841.00	0.55331	(10041224)
500496.00	3736841.00	0.54169	(10041224)	496546.00	3736891.00	8.90602	(11010224)
496596.00	3736891.00	10.59057	(11010224)	496646.00	3736891.00	12.74032	(11010224)
496696.00	3736891.00	15.52751c	(14012324)	496746.00	3736891.00	19.36936c	(14012324)
496796.00	3736891.00	24.36951c	(14012324)	497096.00	3736891.00	80.20556	(14063024)
497146.00	3736891.00	56.95976b	(10102124)	497196.00	3736891.00	38.40052	(16011824)
497246.00	3736891.00	27.86035b	(14111524)	497296.00	3736891.00	21.23829	(10112824)
497346.00	3736891.00	16.40138	(10112824)	497396.00	3736891.00	12.93555b	(14111524)
497446.00	3736891.00	10.55024	(15121124)	497496.00	3736891.00	8.90724	(15121124)
497546.00	3736891.00	7.61017	(15121124)	497596.00	3736891.00	6.57401	(15121124)
497646.00	3736891.00	5.73693	(15121124)	497696.00	3736891.00	5.05040	(15121124)
497746.00	3736891.00	4.48228	(15121124)	498496.00	3736891.00	1.30469	(15121124)
498546.00	3736891.00	1.22982	(15121124)	498746.00	3736891.00	0.98775	(15121124)
498796.00	3736891.00	0.93864	(15121124)	498846.00	3736891.00	0.89460	(11123024)
499296.00	3736891.00	0.63078	(11123024)	499346.00	3736891.00	0.68420	(11123024)
499596.00	3736891.00	0.74205	(11123024)	499646.00	3736891.00	0.72522	(11123024)
499696.00	3736891.00	0.70857	(11123024)	499746.00	3736891.00	0.69675	(11123024)
499796.00	3736891.00	0.67836	(11123024)	499846.00	3736891.00	0.66826	(11123024)
499896.00	3736891.00	0.64652	(11123024)	499946.00	3736891.00	0.65255	(10041224)
499996.00	3736891.00	0.63971	(10041224)	500046.00	3736891.00	0.62859	(10041224)
500096.00	3736891.00	0.61695	(10041224)	500146.00	3736891.00	0.60854	(10041224)
500196.00	3736891.00	0.60029	(10041224)	500246.00	3736891.00	0.59068	(10041224)
500296.00	3736891.00	0.57800	(10041224)	500346.00	3736891.00	0.57008	(10041224)
500396.00	3736891.00	0.55716	(10041224)	500446.00	3736891.00	0.54946	(10041224)
500496.00	3736891.00	0.53990	(10041224)	496546.00	3736941.00	8.69736	(11010224)
496596.00	3736941.00	10.51609	(11010224)	496646.00	3736941.00	12.93955	(11010224)
496696.00	3736941.00	16.25459	(11010224)	496746.00	3736941.00	20.92680	(11010224)
496796.00	3736941.00	28.02769c	(14012324)	497096.00	3736941.00	135.45635b	(10102124)
497146.00	3736941.00	74.78764	(16011824)	497196.00	3736941.00	46.38407b	(14111524)
497246.00	3736941.00	31.49894b	(14111524)	497296.00	3736941.00	22.59805b	(14111524)
497346.00	3736941.00	17.10856	(15121124)	497396.00	3736941.00	13.58952	(15121124)
497446.00	3736941.00	11.05148	(15121124)	497496.00	3736941.00	9.17110	(15121124)
497546.00	3736941.00	7.74012	(15121124)	497596.00	3736941.00	6.62415	(15121124)
497646.00	3736941.00	5.73882	(15121124)	497696.00	3736941.00	5.02358	(15121124)
497746.00	3736941.00	4.43787	(15121124)	498746.00	3736941.00	0.98168	(11123024)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC1 ***
INCLUDING SOURCE(S): L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

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

498796.00	3736941.00	0.93777	(11123024)	498846.00	3736941.00	0.89705	(11123024)
499596.00	3736941.00	0.74107	(11123024)	499646.00	3736941.00	0.72396	(11123024)
499696.00	3736941.00	0.70704	(11123024)	499746.00	3736941.00	0.69495	(11123024)
499796.00	3736941.00	0.67634	(11123024)	499846.00	3736941.00	0.66551	(11123024)
499896.00	3736941.00	0.64459	(11123024)	499946.00	3736941.00	0.64645	(11123024)
499996.00	3736941.00	0.63421	(10041224)	500046.00	3736941.00	0.62552	(10041224)
500096.00	3736941.00	0.61384	(10041224)	500146.00	3736941.00	0.60147	(10041224)
500196.00	3736941.00	0.59269	(10041224)	500246.00	3736941.00	0.58374	(10041224)
500296.00	3736941.00	0.56993	(10041224)	500346.00	3736941.00	0.56160	(10041224)
500396.00	3736941.00	0.54870	(10041224)	500446.00	3736941.00	0.54066	(10041224)
500496.00	3736941.00	0.52984	(10041224)	496546.00	3736991.00	8.16492c	(14012324)
496596.00	3736991.00	9.91918	(11010224)	498696.00	3736991.00	1.02750	(11123024)
498746.00	3736991.00	0.98003	(11123024)	498796.00	3736991.00	0.93597	(11123024)
498846.00	3736991.00	0.89512	(11123024)	498896.00	3736991.00	0.85705	(11123024)
499696.00	3736991.00	0.69936	(11123024)	496546.00	3737041.00	8.06325	(11010224)
496596.00	3737041.00	9.52997c	(14121524)	498696.00	3737041.00	1.05057	(14042624)
498746.00	3737041.00	1.00094	(14042624)	498796.00	3737041.00	0.95485	(14042624)
498846.00	3737041.00	0.91219	(14042624)	498896.00	3737041.00	0.87246	(14042624)
499696.00	3737041.00	0.68590	(11123024)	496546.00	3737091.00	8.76858	(11010224)
496596.00	3737091.00	9.50313c	(14121524)	498746.00	3737091.00	1.04253	(14042624)
498796.00	3737091.00	0.99385	(14042624)	498846.00	3737091.00	0.94873	(14042624)
498896.00	3737091.00	0.90684	(14042624)	499696.00	3737091.00	0.66733	(11123024)
496546.00	3737141.00	8.47160c	(10122124)	496596.00	3737141.00	9.87784	(16112824)
499696.00	3737141.00	0.64672	(14042624)	499396.00	3737191.00	0.64369	(14042624)
499446.00	3737191.00	0.66910	(14042624)	499496.00	3737191.00	0.65087	(14042624)
499546.00	3737191.00	0.71366	(14042624)	499596.00	3737191.00	0.70489	(14042624)
499646.00	3737191.00	0.68322	(14042624)	499696.00	3737191.00	0.66442	(14042624)
499396.00	3737241.00	0.65656	(14042624)	499446.00	3737241.00	0.68396	(14042624)
499496.00	3737241.00	0.66044	(14042624)	499546.00	3737241.00	0.73148	(14042624)
499596.00	3737241.00	0.72257	(14042624)	499646.00	3737241.00	0.70015	(14042624)
499696.00	3737241.00	0.68067	(14042624)	499396.00	3737291.00	0.66674	(14042624)
499446.00	3737291.00	0.69634	(14042624)	499496.00	3737291.00	0.67244	(14042624)
499546.00	3737291.00	0.74730	(14042624)	499596.00	3737291.00	0.72228	(14042624)
499646.00	3737291.00	0.71548	(14042624)	499696.00	3737291.00	0.69496	(14042624)
499396.00	3737341.00	0.67409	(14042624)	499446.00	3737341.00	0.69180	(14042624)
499496.00	3737341.00	0.68205	(14042624)	499546.00	3737341.00	0.76098	(14042624)
499596.00	3737341.00	0.73531	(14042624)	499646.00	3737341.00	0.72914	(14042624)
499696.00	3737341.00	0.70527	(14042624)	498945.00	3736941.00	0.82438	(11123024)
498995.00	3736943.00	0.79121	(11123024)	498945.00	3736894.00	0.82295	(11123024)
498995.00	3736897.00	0.79027	(11123024)				

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499046.00	3736191.00	0.82146	(15121124)	499096.00	3736191.00	0.99720	(15121124)
499146.00	3736191.00	1.06009	(15121124)	499196.00	3736191.00	1.03457	(15121124)
499246.00	3736191.00	1.04951	(15121124)	499296.00	3736191.00	1.02568	(15121124)
499346.00	3736191.00	1.01093	(15121124)	499396.00	3736191.00	0.98858	(15121124)
499446.00	3736191.00	0.97530	(15121124)	499496.00	3736191.00	0.95385	(15121124)
499546.00	3736191.00	0.94153	(15121124)	499596.00	3736191.00	0.91610	(15121124)
499646.00	3736191.00	0.90087	(15121124)	499696.00	3736191.00	0.89051	(15121124)
499746.00	3736191.00	0.87048	(15121124)	499796.00	3736191.00	0.85920	(15121124)
499846.00	3736191.00	0.84810	(15121124)	499896.00	3736191.00	0.83085	(15121124)
499946.00	3736191.00	0.81350	(15121124)	499996.00	3736191.00	0.80612	(15121124)
500046.00	3736191.00	0.79936	(15121124)	500096.00	3736191.00	0.78171	(15121124)
500146.00	3736191.00	0.77610	(15121124)	500196.00	3736191.00	0.76491	(15121124)
500246.00	3736191.00	0.75373	(15121124)	500296.00	3736191.00	0.74714	(15121124)
500346.00	3736191.00	0.74057	(15121124)	500396.00	3736191.00	0.73338	(15121124)
500446.00	3736191.00	0.71743	(15121124)	500496.00	3736191.00	0.71036	(15121124)
499046.00	3736241.00	0.84666	(15121124)	499096.00	3736241.00	1.03551	(15121124)
499146.00	3736241.00	1.09680	(15121124)	499196.00	3736241.00	1.07462	(15121124)
499246.00	3736241.00	1.09009	(15121124)	499296.00	3736241.00	1.06317	(15121124)
499346.00	3736241.00	1.04714	(15121124)	499396.00	3736241.00	1.02169	(15121124)
499446.00	3736241.00	1.00512	(15121124)	499496.00	3736241.00	0.98283	(15121124)
499546.00	3736241.00	0.96874	(15121124)	499596.00	3736241.00	0.93585	(15121124)
499646.00	3736241.00	0.92268	(15121124)	499696.00	3736241.00	0.90030	(15121124)
499746.00	3736241.00	0.88793	(15121124)	499796.00	3736241.00	0.86901	(15121124)
499846.00	3736241.00	0.85721	(15121124)	499896.00	3736241.00	0.83950	(15121124)
499946.00	3736241.00	0.82365	(15121124)	499996.00	3736241.00	0.81425	(15121124)
500046.00	3736241.00	0.79717	(15121124)	500096.00	3736241.00	0.78650	(15121124)
500146.00	3736241.00	0.77970	(15121124)	500196.00	3736241.00	0.76652	(15121124)
500246.00	3736241.00	0.75341	(15121124)	500296.00	3736241.00	0.74629	(15121124)
500346.00	3736241.00	0.73841	(15121124)	500396.00	3736241.00	0.72313	(15121124)
500446.00	3736241.00	0.71233	(15121124)	500496.00	3736241.00	0.70397	(15121124)
499046.00	3736291.00	0.87021	(15121124)	499096.00	3736291.00	1.07221	(15121124)
499146.00	3736291.00	1.11514	(15121124)	499196.00	3736291.00	1.11171	(15121124)

499246.00	3736291.00	1.12153	(15121124)	499296.00	3736291.00	1.09670	(15121124)
499346.00	3736291.00	1.07071	(15121124)	499396.00	3736291.00	1.04989	(15121124)
499446.00	3736291.00	1.02194	(15121124)	499496.00	3736291.00	1.00583	(15121124)
499546.00	3736291.00	0.97913	(15121124)	499596.00	3736291.00	0.95304	(15121124)
499646.00	3736291.00	0.93780	(15121124)	499696.00	3736291.00	0.91277	(15121124)
499746.00	3736291.00	0.89839	(15121124)	499796.00	3736291.00	0.87399	(15121124)
499846.00	3736291.00	0.85919	(15121124)	499896.00	3736291.00	0.84508	(15121124)
499946.00	3736291.00	0.82385	(15121124)	499996.00	3736291.00	0.81325	(15121124)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
500046.00	3736291.00	0.79216	(15121124)	500096.00	3736291.00	0.78356	(15121124)
500146.00	3736291.00	0.76945	(15121124)	500196.00	3736291.00	0.75501	(15121124)
500246.00	3736291.00	0.74668	(15121124)	500296.00	3736291.00	0.73828	(15121124)
500346.00	3736291.00	0.72411	(15121124)	500396.00	3736291.00	0.70936	(15121124)
500446.00	3736291.00	0.70042	(15121124)	500496.00	3736291.00	0.69085	(15121124)
499046.00	3736341.00	0.89139	(15121124)	499096.00	3736341.00	1.10535	(15121124)
499146.00	3736341.00	1.07156	(15121124)	499196.00	3736341.00	1.14350	(15121124)
499246.00	3736341.00	1.10961	(15121124)	499296.00	3736341.00	1.12360	(15121124)
499346.00	3736341.00	1.09068	(15121124)	499396.00	3736341.00	1.06878	(15121124)
499446.00	3736341.00	1.03955	(15121124)	499496.00	3736341.00	1.02102	(15121124)
499546.00	3736341.00	0.99131	(15121124)	499596.00	3736341.00	0.96241	(15121124)
499646.00	3736341.00	0.93997	(15121124)	499696.00	3736341.00	0.91733	(15121124)
499746.00	3736341.00	0.90045	(15121124)	499796.00	3736341.00	0.87413	(15121124)
499846.00	3736341.00	0.85786	(15121124)	499896.00	3736341.00	0.84332	(15121124)
499946.00	3736341.00	0.81270	(15121124)	499996.00	3736341.00	0.80297	(15121124)
500046.00	3736341.00	0.78343	(15121124)	500096.00	3736341.00	0.77308	(15121124)
500146.00	3736341.00	0.75093	(15121124)	500196.00	3736341.00	0.74235	(15121124)
500246.00	3736341.00	0.73279	(15121124)	500296.00	3736341.00	0.71792	(15121124)
500346.00	3736341.00	0.70210	(15121124)	500396.00	3736341.00	0.69202	(15121124)
500446.00	3736341.00	0.68196	(15121124)	500496.00	3736341.00	0.66241	(15121124)
499046.00	3736391.00	0.90934	(15121124)	499096.00	3736391.00	1.09873	(15121124)
499146.00	3736391.00	1.09557	(15121124)	499196.00	3736391.00	1.14635	(15121124)
499246.00	3736391.00	1.12997	(15121124)	499296.00	3736391.00	1.10849	(15121124)
499346.00	3736391.00	1.10514	(15121124)	499396.00	3736391.00	1.06986	(15121124)
499446.00	3736391.00	1.04803	(15121124)	499496.00	3736391.00	1.01473	(15121124)
499546.00	3736391.00	0.99433	(15121124)	499596.00	3736391.00	0.96284	(15121124)
499646.00	3736391.00	0.94298	(15121124)	499696.00	3736391.00	0.92061	(15121124)
499746.00	3736391.00	0.89445	(15121124)	499796.00	3736391.00	0.86589	(15121124)
499846.00	3736391.00	0.84734	(15121124)	499896.00	3736391.00	0.81977	(15121124)
499946.00	3736391.00	0.79680	(15121124)	499996.00	3736391.00	0.78128	(15121124)
500046.00	3736391.00	0.76726	(15121124)	500096.00	3736391.00	0.74580	(15121124)
500146.00	3736391.00	0.73251	(15121124)	500196.00	3736391.00	0.72277	(15121124)
500246.00	3736391.00	0.70664	(15121124)	500296.00	3736391.00	0.68999	(15121124)
500346.00	3736391.00	0.67961	(15121124)	500396.00	3736391.00	0.66822	(15121124)
500446.00	3736391.00	0.64823	(15121124)	500496.00	3736391.00	0.63726	(15121124)
499046.00	3736441.00	0.92331	(15121124)	499096.00	3736441.00	0.88907	(15121124)
499146.00	3736441.00	1.11176	(15121124)	499196.00	3736441.00	1.07269	(15121124)
499246.00	3736441.00	1.14051	(15121124)	499296.00	3736441.00	1.10086	(15121124)
499346.00	3736441.00	1.10905	(15121124)	499396.00	3736441.00	1.07072	(15121124)
499446.00	3736441.00	1.04616	(15121124)	499496.00	3736441.00	1.01026	(15121124)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499546.00	3736441.00	0.98737	(15121124)	499596.00	3736441.00	0.95370	(15121124)
499646.00	3736441.00	0.93157	(15121124)	499696.00	3736441.00	0.89997	(15121124)
499746.00	3736441.00	0.87518	(15121124)	499796.00	3736441.00	0.84894	(15121124)
499846.00	3736441.00	0.82834	(15121124)	499896.00	3736441.00	0.80000	(15121124)
499946.00	3736441.00	0.77655	(15121124)	499996.00	3736441.00	0.75805	(15121124)
500046.00	3736441.00	0.74408	(15121124)	500096.00	3736441.00	0.71940	(15121124)
500146.00	3736441.00	0.70767	(15121124)	500196.00	3736441.00	0.69133	(15121124)

500246.00	3736441.00	0.67406	(15121124)	500296.00	3736441.00	0.66285	(15121124)
500346.00	3736441.00	0.64865	(15121124)	500396.00	3736441.00	0.63048	(15121124)
500446.00	3736441.00	0.61904	(15121124)	500496.00	3736441.00	0.60768	(15121124)
499046.00	3736491.00	0.93265	(15121124)	499096.00	3736491.00	0.89648	(15121124)
499146.00	3736491.00	1.11818	(15121124)	499196.00	3736491.00	1.07647	(15121124)
499246.00	3736491.00	1.13974	(15121124)	499296.00	3736491.00	1.09718	(15121124)
499346.00	3736491.00	1.09872	(15121124)	499396.00	3736491.00	1.06050	(15121124)
499446.00	3736491.00	1.03332	(15121124)	499496.00	3736491.00	0.99540	(15121124)
499546.00	3736491.00	0.97017	(15121124)	499596.00	3736491.00	0.93491	(15121124)
499646.00	3736491.00	0.90788	(15121124)	499696.00	3736491.00	0.87795	(15121124)
499746.00	3736491.00	0.84653	(15121124)	499796.00	3736491.00	0.82459	(15121124)
499846.00	3736491.00	0.79457	(15121124)	499896.00	3736491.00	0.77317	(15121124)
499946.00	3736491.00	0.74933	(15121124)	499996.00	3736491.00	0.72998	(15121124)
500196.00	3736491.00	0.65408	(15121124)	500246.00	3736491.00	0.64292	(15121124)
500296.00	3736491.00	0.62840	(15121124)	500346.00	3736491.00	0.60968	(15121124)
500396.00	3736491.00	0.59822	(15121124)	500446.00	3736491.00	0.58625	(15121124)
500496.00	3736491.00	0.57439	(15121124)	499046.00	3736541.00	0.93691	(15121124)
499096.00	3736541.00	0.89907	(15121124)	499146.00	3736541.00	1.08880	(15121124)
499196.00	3736541.00	1.07025	(15121124)	499246.00	3736541.00	1.12689	(15121124)
499296.00	3736541.00	1.08249	(15121124)	499346.00	3736541.00	1.08169	(15121124)
499396.00	3736541.00	1.03907	(15121124)	499446.00	3736541.00	1.00957	(15121124)
499496.00	3736541.00	0.97036	(15121124)	499546.00	3736541.00	0.93563	(15121124)
499596.00	3736541.00	0.90668	(15121124)	499646.00	3736541.00	0.87252	(15121124)
499696.00	3736541.00	0.84213	(15121124)	499746.00	3736541.00	0.81604	(15121124)
499796.00	3736541.00	0.78547	(15121124)	499846.00	3736541.00	0.76306	(15121124)
499896.00	3736541.00	0.74049	(15121124)	499946.00	3736541.00	0.71622	(15121124)
499996.00	3736541.00	0.69587	(15121124)	500196.00	3736541.00	0.61980	(15121124)
500246.00	3736541.00	0.60801	(15121124)	500296.00	3736541.00	0.58679	(15121124)
500346.00	3736541.00	0.57487	(15121124)	500396.00	3736541.00	0.56298	(15121124)
500446.00	3736541.00	0.55069	(15121124)	500496.00	3736541.00	0.53386	(15121124)
496546.00	3736591.00	5.14837	(11120624)	496596.00	3736591.00	5.69712	(11120624)
496646.00	3736591.00	6.20625	(11120624)	496696.00	3736591.00	6.95943	(14122324)
496746.00	3736591.00	7.98061	(14122324)	496796.00	3736591.00	8.95298	(14122324)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
497196.00	3736591.00	15.50489	(14011524)	497246.00	3736591.00	15.51334	(16122724)
497296.00	3736591.00	20.37454	(14063024)	497346.00	3736591.00	19.41411	(14063024)
497396.00	3736591.00	11.98052	(16090824)	497446.00	3736591.00	10.41298	(16090824)
497496.00	3736591.00	9.20693c	(16050824)	497546.00	3736591.00	7.97122c	(16050824)
497596.00	3736591.00	6.70682c	(14020524)	497646.00	3736591.00	5.98321b	(14111524)
497696.00	3736591.00	5.44355b	(14111524)	497746.00	3736591.00	4.93652b	(14111524)
499296.00	3736591.00	1.05582	(15121124)	499346.00	3736591.00	1.05057	(15121124)
499796.00	3736591.00	0.74936	(15121124)	499846.00	3736591.00	0.72643	(15121124)
499896.00	3736591.00	0.69947	(15121124)	499946.00	3736591.00	0.67730	(15121124)
499996.00	3736591.00	0.65646	(15121124)	500046.00	3736591.00	0.63295	(15121124)
500096.00	3736591.00	0.61779	(15121124)	500146.00	3736591.00	0.59562	(15121124)
496546.00	3736641.00	5.21318	(11120624)	496596.00	3736641.00	5.93054	(11120624)
496646.00	3736641.00	6.67482	(11120624)	496696.00	3736641.00	7.38932	(11120624)
496746.00	3736641.00	8.41712	(14122324)	496796.00	3736641.00	9.78045	(14122324)
497246.00	3736641.00	24.76460	(14063024)	497296.00	3736641.00	26.25502	(15112924)
497346.00	3736641.00	24.80144	(15112924)	497396.00	3736641.00	18.09598	(15101624)
497446.00	3736641.00	11.47542c	(16050824)	497496.00	3736641.00	9.87647c	(16050824)
497546.00	3736641.00	9.74225	(14111224)	497596.00	3736641.00	7.18298b	(14111524)
497646.00	3736641.00	6.45871b	(14111524)	497696.00	3736641.00	5.78594b	(14111524)
497746.00	3736641.00	5.17952b	(14111524)	499296.00	3736641.00	1.01938	(15121124)
499346.00	3736641.00	0.99456	(15121124)	499796.00	3736641.00	0.70901	(15121124)
499846.00	3736641.00	0.68163	(15121124)	499896.00	3736641.00	0.65971	(15121124)
499946.00	3736641.00	0.63646	(15121124)	499996.00	3736641.00	0.61507	(15121124)
500046.00	3736641.00	0.59566	(10041224)	500096.00	3736641.00	0.59070	(10041224)
500146.00	3736641.00	0.57952	(10041224)	496546.00	3736691.00	5.28563	(11010224)
496596.00	3736691.00	5.94893	(11120624)	496646.00	3736691.00	6.90787	(11120624)
496696.00	3736691.00	7.94037	(11120624)	496746.00	3736691.00	8.97466	(11120624)
496796.00	3736691.00	10.43507	(14122324)	497246.00	3736691.00	22.06597	(14063024)
497296.00	3736691.00	33.12187	(15112924)	497346.00	3736691.00	28.34924	(15101624)
497396.00	3736691.00	16.06671	(16090824)	497446.00	3736691.00	12.61886c	(16050824)
497496.00	3736691.00	10.24888c	(16050824)	497546.00	3736691.00	15.28788	(14111224)
497596.00	3736691.00	7.80465b	(14111524)	497646.00	3736691.00	6.89426b	(14111524)
497696.00	3736691.00	6.08391b	(14111524)	497746.00	3736691.00	5.40214	(10112824)
498796.00	3736691.00	1.14448	(15121124)	498846.00	3736691.00	1.08832	(15121124)
499296.00	3736691.00	0.97445	(15121124)	499346.00	3736691.00	0.93128	(15121124)
499796.00	3736691.00	0.67699	(11123024)	499846.00	3736691.00	0.66110	(11123024)
499896.00	3736691.00	0.65118	(11123024)	499946.00	3736691.00	0.63709	(11123024)
499996.00	3736691.00	0.63076	(10041224)	500046.00	3736691.00	0.62216	(10041224)
500096.00	3736691.00	0.61292	(10041224)	500146.00	3736691.00	0.60382	(10041224)

496546.00 3736741.00 5.71311 (11010224) 496596.00 3736741.00 6.31814 (11010224)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
496646.00	3736741.00	7.01217c	(14012324)	496696.00	3736741.00	8.14965	(11120624)
496746.00	3736741.00	9.62645	(11120624)	496796.00	3736741.00	11.17724	(11120624)
497246.00	3736741.00	28.13415	(14063024)	497296.00	3736741.00	24.54018	(16090824)
497346.00	3736741.00	24.67836	(15101624)	497396.00	3736741.00	16.76829c	(16050824)
497446.00	3736741.00	13.34576c	(16050824)	497496.00	3736741.00	11.19194b	(14111524)
497546.00	3736741.00	9.69443b	(14111524)	497596.00	3736741.00	9.48578	(10112824)
497646.00	3736741.00	7.29497	(10112824)	497696.00	3736741.00	6.37577	(10112824)
497746.00	3736741.00	5.56865	(10112824)	498796.00	3736741.00	1.13257	(15121124)
498846.00	3736741.00	1.07573	(15121124)	499296.00	3736741.00	0.86755	(15121124)
499346.00	3736741.00	0.87202	(15121124)	500096.00	3736741.00	0.63337	(10041224)
500146.00	3736741.00	0.62289	(10041224)	496546.00	3736791.00	6.03442	(11010224)
496596.00	3736791.00	6.79079	(11010224)	496646.00	3736791.00	7.66094	(11010224)
496696.00	3736791.00	8.69935c	(14012324)	496746.00	3736791.00	9.89682c	(14012324)
496796.00	3736791.00	11.94585	(11120624)	497196.00	3736791.00	39.58436	(16122724)
497246.00	3736791.00	36.56355	(14063024)	497296.00	3736791.00	30.63778	(16090824)
497346.00	3736791.00	23.63914c	(16050824)	497396.00	3736791.00	18.23329c	(16050824)
497446.00	3736791.00	14.77810b	(14111524)	497496.00	3736791.00	12.43099b	(14111524)
497546.00	3736791.00	10.48958	(10112824)	497596.00	3736791.00	11.51482	(15121124)
497646.00	3736791.00	7.62186	(10112824)	497696.00	3736791.00	6.49468b	(14111524)
497746.00	3736791.00	5.63739b	(14111524)	498496.00	3736791.00	1.57750	(15121124)
498546.00	3736791.00	1.48223	(15121124)	498796.00	3736791.00	1.11487	(15121124)
498846.00	3736791.00	1.05802	(15121124)	499296.00	3736791.00	0.83584	(11123024)
499346.00	3736791.00	0.80871	(11123024)	499596.00	3736791.00	0.77913	(11123024)
499646.00	3736791.00	0.75735	(11123024)	499696.00	3736791.00	0.74375	(11123024)
500096.00	3736791.00	0.65112	(10041224)	500146.00	3736791.00	0.63847	(10041224)
500196.00	3736791.00	0.62853	(10041224)	500246.00	3736791.00	0.62067	(10041224)
500296.00	3736791.00	0.61273	(10041224)	500346.00	3736791.00	0.60093	(10041224)
500396.00	3736791.00	0.59153	(10041224)	500446.00	3736791.00	0.58388	(10041224)
500496.00	3736791.00	0.57162	(10041224)	496546.00	3736841.00	6.17969	(11010224)
496596.00	3736841.00	7.06978	(11010224)	496646.00	3736841.00	8.13711	(11010224)
496696.00	3736841.00	9.41991	(11010224)	496746.00	3736841.00	10.98393c	(14012324)
496796.00	3736841.00	12.96245c	(14012324)	497196.00	3736841.00	56.12356	(16122724)
497246.00	3736841.00	48.44987	(16090824)	497296.00	3736841.00	37.08283	(16090824)
497346.00	3736841.00	26.85785c	(16050824)	497396.00	3736841.00	20.65430	(16011824)
497446.00	3736841.00	16.64382b	(14111524)	497496.00	3736841.00	13.65621	(10112824)
497546.00	3736841.00	11.18782	(10112824)	497596.00	3736841.00	9.19145b	(14111524)
497646.00	3736841.00	7.74168b	(14111524)	497696.00	3736841.00	6.72464	(15121124)
497746.00	3736841.00	5.91226	(15121124)	498496.00	3736841.00	1.55383	(15121124)
498546.00	3736841.00	1.45827	(15121124)	498796.00	3736841.00	1.09238	(15121124)
498846.00	3736841.00	1.03616	(15121124)	499296.00	3736841.00	0.82394	(11123024)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499346.00	3736841.00	0.82556	(11123024)	499596.00	3736841.00	0.79426	(11123024)
499646.00	3736841.00	0.77160	(11123024)	499696.00	3736841.00	0.75715	(11123024)
500096.00	3736841.00	0.65877	(10041224)	500146.00	3736841.00	0.64984	(10041224)
500196.00	3736841.00	0.63969	(10041224)	500246.00	3736841.00	0.62591	(10041224)
500296.00	3736841.00	0.61703	(10041224)	500346.00	3736841.00	0.60837	(10041224)
500396.00	3736841.00	0.59462	(10041224)	500446.00	3736841.00	0.58638	(10041224)
500496.00	3736841.00	0.57364	(10041224)	496546.00	3736891.00	6.11197	(11010224)
496596.00	3736891.00	7.08033	(11010224)	496646.00	3736891.00	8.28435	(11010224)
496696.00	3736891.00	9.79724	(11010224)	496746.00	3736891.00	11.71774	(11010224)
496796.00	3736891.00	14.17708	(11010224)	497096.00	3736891.00	69.10570	(14122324)
497146.00	3736891.00	91.74487	(14011524)	497196.00	3736891.00	87.80272	(14063024)
497246.00	3736891.00	67.82857	(16090824)	497296.00	3736891.00	44.32004c	(16050824)
497346.00	3736891.00	31.49740	(16011824)	497396.00	3736891.00	23.88015	(10112824)
497446.00	3736891.00	18.38273	(10112824)	497496.00	3736891.00	14.26933b	(14111524)

497546.00	3736891.00	11.46275b	(14111524)	497596.00	3736891.00	9.56311	(15121124)
497646.00	3736891.00	8.13292	(15121124)	497696.00	3736891.00	6.99681	(15121124)
497746.00	3736891.00	6.08431	(15121124)	498496.00	3736891.00	1.52082	(15121124)
498546.00	3736891.00	1.42637	(15121124)	498746.00	3736891.00	1.12608	(15121124)
498796.00	3736891.00	1.06615	(15121124)	498846.00	3736891.00	1.01111	(15121124)
499296.00	3736891.00	0.70017	(11123024)	499346.00	3736891.00	0.83582	(11123024)
499596.00	3736891.00	0.80208	(11123024)	499646.00	3736891.00	0.78274	(11123024)
499696.00	3736891.00	0.76370	(11123024)	499746.00	3736891.00	0.74987	(11123024)
499796.00	3736891.00	0.72919	(11123024)	499846.00	3736891.00	0.71734	(11123024)
499896.00	3736891.00	0.69333	(11123024)	499946.00	3736891.00	0.70018	(10041224)
499996.00	3736891.00	0.68550	(10041224)	500046.00	3736891.00	0.67248	(10041224)
500096.00	3736891.00	0.65924	(10041224)	500146.00	3736891.00	0.64955	(10041224)
500196.00	3736891.00	0.64000	(10041224)	500246.00	3736891.00	0.62909	(10041224)
500296.00	3736891.00	0.61504	(10041224)	500346.00	3736891.00	0.60600	(10041224)
500396.00	3736891.00	0.59179	(10041224)	500446.00	3736891.00	0.58306	(10041224)
500496.00	3736891.00	0.57244	(10041224)	496546.00	3736941.00	5.85302	(11010224)
496596.00	3736941.00	6.82777	(11010224)	496646.00	3736941.00	8.06499	(11010224)
496696.00	3736941.00	9.66942	(11010224)	496746.00	3736941.00	11.79038	(11010224)
496796.00	3736941.00	14.66141	(11010224)	497096.00	3736941.00	127.52025	(14122324)
497146.00	3736941.00	174.83021	(14010524)	497196.00	3736941.00	161.32372	(14120124)
497246.00	3736941.00	94.24734	(16011824)	497296.00	3736941.00	55.75583b	(14111524)
497346.00	3736941.00	37.07884	(10112824)	497396.00	3736941.00	25.95081b	(14111524)
497446.00	3736941.00	19.13468b	(14111524)	497496.00	3736941.00	14.96498	(15121124)
497546.00	3736941.00	12.05877	(15121124)	497596.00	3736941.00	9.92623	(15121124)
497646.00	3736941.00	8.32151	(15121124)	497696.00	3736941.00	7.08248	(15121124)
497746.00	3736941.00	6.10717	(15121124)	498746.00	3736941.00	1.10382	(11123024)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC2 ***
INCLUDING SOURCE(S): L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
498796.00	3736941.00	1.05083	(11123024)	498846.00	3736941.00	1.00193	(11123024)
499596.00	3736941.00	0.80215	(11123024)	499646.00	3736941.00	0.78243	(11123024)
499696.00	3736941.00	0.76304	(11123024)	499746.00	3736941.00	0.74887	(11123024)
499796.00	3736941.00	0.72789	(11123024)	499846.00	3736941.00	0.71525	(11123024)
499896.00	3736941.00	0.69201	(11123024)	499946.00	3736941.00	0.69434	(10041224)
499996.00	3736941.00	0.68043	(10041224)	500046.00	3736941.00	0.66979	(10041224)
500096.00	3736941.00	0.65659	(10041224)	500146.00	3736941.00	0.64265	(10041224)
500196.00	3736941.00	0.63252	(10041224)	500246.00	3736941.00	0.62227	(10041224)
500296.00	3736941.00	0.60700	(10041224)	500346.00	3736941.00	0.59750	(10041224)
500396.00	3736941.00	0.58327	(10041224)	500446.00	3736941.00	0.57417	(10041224)
500496.00	3736941.00	0.56221	(10041224)	496546.00	3736991.00	5.58511c	(14012324)
496596.00	3736991.00	6.46971c	(14012324)	498696.00	3736991.00	1.16443c	(14121524)
498746.00	3736991.00	1.10479c	(14121524)	498796.00	3736991.00	1.04988c	(14121524)
498846.00	3736991.00	1.00049	(11123024)	498896.00	3736991.00	0.95495	(11123024)
499696.00	3736991.00	0.75519	(11123024)	496546.00	3737041.00	5.99206	(11010224)
496596.00	3737041.00	6.27965c	(14121524)	498696.00	3737041.00	1.18841	(14042624)
498746.00	3737041.00	1.12806	(14042624)	498796.00	3737041.00	1.07234	(14042624)
498846.00	3737041.00	1.02106	(14042624)	498896.00	3737041.00	0.97355	(14042624)
499696.00	3737041.00	0.74057	(11123024)	496546.00	3737091.00	6.25431	(11010224)
496596.00	3737091.00	6.27501c	(14121524)	498746.00	3737091.00	1.17737	(14042624)
498796.00	3737091.00	1.11839	(14042624)	498846.00	3737091.00	1.06402	(14042624)
498896.00	3737091.00	1.01382	(14042624)	499696.00	3737091.00	0.71997	(11123024)
496546.00	3737141.00	6.00017	(11010224)	496596.00	3737141.00	6.80864	(16112824)
499696.00	3737141.00	0.70147	(14042624)	499396.00	3737191.00	0.71129	(14042624)
499446.00	3737191.00	0.79110	(14042624)	499496.00	3737191.00	0.77582	(14042624)
499546.00	3737191.00	0.77834	(14042624)	499596.00	3737191.00	0.76805	(14042624)
499646.00	3737191.00	0.74319	(14042624)	499696.00	3737191.00	0.72154	(14042624)
499396.00	3737241.00	0.72580	(14042624)	499446.00	3737241.00	0.81069	(14042624)
499496.00	3737241.00	0.78111	(14042624)	499546.00	3737241.00	0.79836	(14042624)
499596.00	3737241.00	0.78795	(14042624)	499646.00	3737241.00	0.76224	(14042624)
499696.00	3737241.00	0.73983	(14042624)	499396.00	3737291.00	0.73703	(14042624)
499446.00	3737291.00	0.82719	(14042624)	499496.00	3737291.00	0.79705	(14042624)
499546.00	3737291.00	0.81586	(14042624)	499596.00	3737291.00	0.78725	(14042624)
499646.00	3737291.00	0.77928	(14042624)	499696.00	3737291.00	0.75575	(14042624)
499396.00	3737341.00	0.74480	(14042624)	499446.00	3737341.00	0.80536	(14042624)
499496.00	3737341.00	0.80999	(14042624)	499546.00	3737341.00	0.83065	(14042624)
499596.00	3737341.00	0.80138	(14042624)	499646.00	3737341.00	0.79419	(14042624)
499696.00	3737341.00	0.76704	(14042624)	498945.00	3736941.00	0.91534	(11123024)
498995.00	3736943.00	0.87611	(11123024)	498945.00	3736894.00	0.91285	(11123024)
498995.00	3736897.00	0.87430	(11123024)				

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC3 ***

INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499046.00	3736191.00	0.91839c	(14020324)	499096.00	3736191.00	0.88100c	(14020324)
499146.00	3736191.00	0.99006	(15121124)	499196.00	3736191.00	0.96320	(15121124)
499246.00	3736191.00	1.06655	(15121124)	499296.00	3736191.00	1.04043	(15121124)
499346.00	3736191.00	1.06359	(15121124)	499396.00	3736191.00	1.03892	(15121124)
499446.00	3736191.00	1.03378	(15121124)	499496.00	3736191.00	1.01029	(15121124)
499546.00	3736191.00	0.99634	(15121124)	499596.00	3736191.00	0.96913	(15121124)
499646.00	3736191.00	0.95252	(15121124)	499696.00	3736191.00	0.94103	(15121124)
499746.00	3736191.00	0.91974	(15121124)	499796.00	3736191.00	0.90780	(15121124)
499846.00	3736191.00	0.89617	(15121124)	499896.00	3736191.00	0.87763	(15121124)
499946.00	3736191.00	0.85909	(15121124)	499996.00	3736191.00	0.84799	(15121124)
500046.00	3736191.00	0.83881	(15121124)	500096.00	3736191.00	0.82032	(15121124)
500146.00	3736191.00	0.81381	(15121124)	500196.00	3736191.00	0.80213	(15121124)
500246.00	3736191.00	0.79060	(15121124)	500296.00	3736191.00	0.78411	(15121124)
500346.00	3736191.00	0.77765	(15121124)	500396.00	3736191.00	0.77054	(15121124)
500446.00	3736191.00	0.75406	(15121124)	500496.00	3736191.00	0.74708	(15121124)
499046.00	3736241.00	0.92042	(15111724)	499096.00	3736241.00	0.89690	(15121124)
499146.00	3736241.00	1.02236	(15121124)	499196.00	3736241.00	0.99897	(15121124)
499246.00	3736241.00	1.10985	(15121124)	499296.00	3736241.00	1.08087	(15121124)
499346.00	3736241.00	1.10560	(15121124)	499396.00	3736241.00	1.07786	(15121124)
499446.00	3736241.00	1.07004	(15121124)	499496.00	3736241.00	1.04574	(15121124)
499546.00	3736241.00	1.03010	(15121124)	499596.00	3736241.00	0.99503	(15121124)
499646.00	3736241.00	0.98064	(15121124)	499696.00	3736241.00	0.95670	(15121124)
499746.00	3736241.00	0.94337	(15121124)	499796.00	3736241.00	0.92325	(15121124)
499846.00	3736241.00	0.91128	(15121124)	499896.00	3736241.00	0.89262	(15121124)
499946.00	3736241.00	0.87453	(15121124)	499996.00	3736241.00	0.86113	(15121124)
500046.00	3736241.00	0.84238	(15121124)	500096.00	3736241.00	0.82967	(15121124)
500146.00	3736241.00	0.82194	(15121124)	500196.00	3736241.00	0.80814	(15121124)
500246.00	3736241.00	0.79453	(15121124)	500296.00	3736241.00	0.78757	(15121124)
500346.00	3736241.00	0.77977	(15121124)	500396.00	3736241.00	0.76389	(15121124)
500446.00	3736241.00	0.75289	(15121124)	500496.00	3736241.00	0.74454	(15121124)
499046.00	3736291.00	0.94478	(15121124)	499096.00	3736291.00	0.92436	(15121124)
499146.00	3736291.00	1.03299	(15121124)	499196.00	3736291.00	1.03334	(15121124)
499246.00	3736291.00	1.13505	(15121124)	499296.00	3736291.00	1.11900	(15121124)
499346.00	3736291.00	1.10798	(15121124)	499396.00	3736291.00	1.11322	(15121124)
499446.00	3736291.00	1.08303	(15121124)	499496.00	3736291.00	1.07620	(15121124)
499546.00	3736291.00	1.04732	(15121124)	499596.00	3736291.00	1.01917	(15121124)
499646.00	3736291.00	1.00265	(15121124)	499696.00	3736291.00	0.97577	(15121124)
499746.00	3736291.00	0.96034	(15121124)	499796.00	3736291.00	0.93424	(15121124)
499846.00	3736291.00	0.91874	(15121124)	499896.00	3736291.00	0.90380	(15121124)
499946.00	3736291.00	0.88068	(15121124)	499996.00	3736291.00	0.86531	(15121124)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
500046.00	3736291.00	0.84263	(15121124)	500096.00	3736291.00	0.83109	(15121124)
500146.00	3736291.00	0.81569	(15121124)	500196.00	3736291.00	0.80025	(15121124)
500246.00	3736291.00	0.79174	(15121124)	500296.00	3736291.00	0.78344	(15121124)
500346.00	3736291.00	0.76871	(15121124)	500396.00	3736291.00	0.75332	(15121124)
500446.00	3736291.00	0.74436	(15121124)	500496.00	3736291.00	0.73467	(15121124)
499046.00	3736341.00	0.97176	(15121124)	499096.00	3736341.00	0.94955	(15121124)
499146.00	3736341.00	0.91666	(15121124)	499196.00	3736341.00	1.06466	(15121124)
499246.00	3736341.00	1.03100	(15121124)	499296.00	3736341.00	1.15224	(15121124)
499346.00	3736341.00	1.11756	(15121124)	499396.00	3736341.00	1.12851	(15121124)
499446.00	3736341.00	1.10850	(15121124)	499496.00	3736341.00	1.09942	(15121124)
499546.00	3736341.00	1.06712	(15121124)	499596.00	3736341.00	1.03574	(15121124)
499646.00	3736341.00	1.01143	(15121124)	499696.00	3736341.00	0.98695	(15121124)
499746.00	3736341.00	0.96882	(15121124)	499796.00	3736341.00	0.94040	(15121124)
499846.00	3736341.00	0.92331	(15121124)	499896.00	3736341.00	0.90706	(15121124)
499946.00	3736341.00	0.87517	(15121124)	499996.00	3736341.00	0.86011	(15121124)
500046.00	3736341.00	0.83806	(15121124)	500096.00	3736341.00	0.82448	(15121124)
500146.00	3736341.00	0.80065	(15121124)	500196.00	3736341.00	0.79102	(15121124)
500246.00	3736341.00	0.78118	(15121124)	500296.00	3736341.00	0.76563	(15121124)
500346.00	3736341.00	0.74897	(15121124)	500396.00	3736341.00	0.73877	(15121124)
500446.00	3736341.00	0.72854	(15121124)	500496.00	3736341.00	0.70759	(15121124)
499046.00	3736391.00	0.99562	(15121124)	499096.00	3736391.00	0.97145	(15121124)

499146.00	3736391.00	0.93611	(15121124)	499196.00	3736391.00	1.07643	(15121124)
499246.00	3736391.00	1.05424	(15121124)	499296.00	3736391.00	1.06388	(15121124)
499346.00	3736391.00	1.13970	(15121124)	499396.00	3736391.00	1.10263	(15121124)
499446.00	3736391.00	1.12521	(15121124)	499496.00	3736391.00	1.08898	(15121124)
499546.00	3736391.00	1.07767	(15121124)	499596.00	3736391.00	1.04316	(15121124)
499646.00	3736391.00	1.02158	(15121124)	499696.00	3736391.00	0.99728	(15121124)
499746.00	3736391.00	0.96878	(15121124)	499796.00	3736391.00	0.93760	(15121124)
499846.00	3736391.00	0.91792	(15121124)	499896.00	3736391.00	0.88777	(15121124)
499946.00	3736391.00	0.86302	(15121124)	499996.00	3736391.00	0.84465	(15121124)
500046.00	3736391.00	0.82531	(15121124)	500096.00	3736391.00	0.80134	(15121124)
500146.00	3736391.00	0.78506	(15121124)	500196.00	3736391.00	0.77412	(15121124)
500246.00	3736391.00	0.75685	(15121124)	500296.00	3736391.00	0.73909	(15121124)
500346.00	3736391.00	0.72859	(15121124)	500396.00	3736391.00	0.71687	(15121124)
500446.00	3736391.00	0.69525	(15121124)	500496.00	3736391.00	0.68393	(15121124)
499046.00	3736441.00	1.01542	(15121124)	499096.00	3736441.00	0.97578	(15121124)
499146.00	3736441.00	0.95150	(15121124)	499196.00	3736441.00	0.91554	(15121124)
499246.00	3736441.00	1.07077	(15121124)	499296.00	3736441.00	1.03242	(15121124)
499346.00	3736441.00	1.15228	(15121124)	499396.00	3736441.00	1.11178	(15121124)
499446.00	3736441.00	1.13137	(15121124)	499496.00	3736441.00	1.09194	(15121124)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499546.00	3736441.00	1.07757	(15121124)	499596.00	3736441.00	1.04027	(15121124)
499646.00	3736441.00	1.01607	(15121124)	499696.00	3736441.00	0.98113	(15121124)
499746.00	3736441.00	0.95394	(15121124)	499796.00	3736441.00	0.92509	(15121124)
499846.00	3736441.00	0.90297	(15121124)	499896.00	3736441.00	0.87164	(15121124)
499946.00	3736441.00	0.84623	(15121124)	499996.00	3736441.00	0.82469	(15121124)
500046.00	3736441.00	0.80462	(15121124)	500096.00	3736441.00	0.77753	(15121124)
500146.00	3736441.00	0.76217	(15121124)	500196.00	3736441.00	0.74395	(15121124)
500246.00	3736441.00	0.72507	(15121124)	500296.00	3736441.00	0.71332	(15121124)
500346.00	3736441.00	0.69835	(15121124)	500396.00	3736441.00	0.67869	(15121124)
500446.00	3736441.00	0.66683	(15121124)	500496.00	3736441.00	0.65500	(15121124)
499046.00	3736491.00	1.03032	(15121124)	499096.00	3736491.00	0.98819	(15121124)
499146.00	3736491.00	0.96212	(15121124)	499196.00	3736491.00	0.92411	(15121124)
499246.00	3736491.00	1.07917	(15121124)	499296.00	3736491.00	1.03805	(15121124)
499346.00	3736491.00	1.15120	(15121124)	499396.00	3736491.00	1.11018	(15121124)
499446.00	3736491.00	1.12576	(15121124)	499496.00	3736491.00	1.08364	(15121124)
499546.00	3736491.00	1.06605	(15121124)	499596.00	3736491.00	1.02653	(15121124)
499646.00	3736491.00	0.99655	(15121124)	499696.00	3736491.00	0.96319	(15121124)
499746.00	3736491.00	0.92806	(15121124)	499796.00	3736491.00	0.90401	(15121124)
499846.00	3736491.00	0.87044	(15121124)	499896.00	3736491.00	0.84720	(15121124)
499946.00	3736491.00	0.82117	(15121124)	499996.00	3736491.00	0.79824	(15121124)
500196.00	3736491.00	0.70712	(15121124)	500246.00	3736491.00	0.69454	(15121124)
500296.00	3736491.00	0.67885	(15121124)	500346.00	3736491.00	0.65841	(15121124)
500396.00	3736491.00	0.64654	(15121124)	500446.00	3736491.00	0.63398	(15121124)
500496.00	3736491.00	0.62149	(15121124)	499046.00	3736541.00	1.03968	(15121124)
499096.00	3736541.00	0.99535	(15121124)	499146.00	3736541.00	0.96743	(15121124)
499196.00	3736541.00	0.92771	(15121124)	499246.00	3736541.00	1.07843	(15121124)
499296.00	3736541.00	1.03522	(15121124)	499346.00	3736541.00	1.14309	(15121124)
499396.00	3736541.00	1.09718	(15121124)	499446.00	3736541.00	1.10789	(15121124)
499496.00	3736541.00	1.06382	(15121124)	499546.00	3736541.00	1.02489	(15121124)
499596.00	3736541.00	1.00172	(15121124)	499646.00	3736541.00	0.96306	(15121124)
499696.00	3736541.00	0.92882	(15121124)	499746.00	3736541.00	0.89969	(15121124)
499796.00	3736541.00	0.86516	(15121124)	499846.00	3736541.00	0.84037	(15121124)
499896.00	3736541.00	0.81559	(15121124)	499946.00	3736541.00	0.78883	(15121124)
499996.00	3736541.00	0.76474	(15121124)	500196.00	3736541.00	0.67268	(15121124)
500246.00	3736541.00	0.65933	(15121124)	500296.00	3736541.00	0.63577	(15121124)
500346.00	3736541.00	0.62305	(15121124)	500396.00	3736541.00	0.61057	(15121124)
500446.00	3736541.00	0.59754	(15121124)	500496.00	3736541.00	0.57903	(15121124)
496546.00	3736591.00	3.65018	(11010224)	496596.00	3736591.00	4.11129	(11120624)
496646.00	3736591.00	4.63487	(11120624)	496696.00	3736591.00	5.19021	(11120624)
496746.00	3736591.00	5.75099	(11120624)	496796.00	3736591.00	6.27506	(11120624)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
497196.00	3736591.00	12.91001	(14011524)	497246.00	3736591.00	15.07033	(14011524)
497296.00	3736591.00	16.36586	(14011524)	497346.00	3736591.00	17.40515	(14011524)
497396.00	3736591.00	15.45179	(16122724)	497446.00	3736591.00	14.99839	(14063024)
497496.00	3736591.00	13.74018	(14063024)	497546.00	3736591.00	12.04917	(16090824)
497596.00	3736591.00	10.37346	(16090824)	497646.00	3736591.00	9.18403c	(16050824)
497696.00	3736591.00	7.91436c	(16050824)	497746.00	3736591.00	6.69251c	(14020524)
499296.00	3736591.00	1.02295	(15121124)	499346.00	3736591.00	1.12031	(15121124)
499796.00	3736591.00	0.82935	(15121124)	499846.00	3736591.00	0.80379	(15121124)
499896.00	3736591.00	0.77318	(15121124)	499946.00	3736591.00	0.74871	(15121124)
499996.00	3736591.00	0.72525	(15121124)	500046.00	3736591.00	0.69816	(15121124)
500096.00	3736591.00	0.67639	(15121124)	500146.00	3736591.00	0.65133	(15121124)
496546.00	3736641.00	3.90799	(11010224)	496596.00	3736641.00	4.21142	(11010224)
496646.00	3736641.00	4.58284	(11120624)	496696.00	3736641.00	5.25128	(11120624)
496746.00	3736641.00	5.98232	(11120624)	496796.00	3736641.00	6.74391	(11120624)
497246.00	3736641.00	18.18796	(14011524)	497296.00	3736641.00	22.57643	(14011524)
497346.00	3736641.00	24.76960	(16122724)	497396.00	3736641.00	18.60476	(16122724)
497446.00	3736641.00	17.68038	(14063024)	497496.00	3736641.00	15.41699	(16090824)
497546.00	3736641.00	13.49064	(16090824)	497596.00	3736641.00	11.48968c	(16050824)
497646.00	3736641.00	9.81483c	(16050824)	497696.00	3736641.00	8.13812c	(14020524)
497746.00	3736641.00	7.19521b	(14111524)	499296.00	3736641.00	1.00232	(15121124)
499346.00	3736641.00	1.00143	(15121124)	499796.00	3736641.00	0.78788	(15121124)
499846.00	3736641.00	0.75646	(15121124)	499896.00	3736641.00	0.73192	(15121124)
499946.00	3736641.00	0.70573	(15121124)	499996.00	3736641.00	0.68239	(15121124)
500046.00	3736641.00	0.65715	(15121124)	500096.00	3736641.00	0.63521	(15121124)
500146.00	3736641.00	0.61146	(15121124)	496546.00	3736691.00	4.13024	(11010224)
496596.00	3736691.00	4.50204	(11010224)	496646.00	3736691.00	4.90862	(11010224)
496696.00	3736691.00	5.35165	(11010224)	496746.00	3736691.00	5.99327	(11120624)
496796.00	3736691.00	6.97007	(11120624)	497246.00	3736691.00	21.90130	(14011524)
497296.00	3736691.00	30.75877	(14011524)	497346.00	3736691.00	31.06579	(16122724)
497396.00	3736691.00	22.45014	(14063024)	497446.00	3736691.00	20.89484	(14063024)
497496.00	3736691.00	18.00918	(16090824)	497546.00	3736691.00	26.82056	(15072124)
497596.00	3736691.00	12.54840c	(16050824)	497646.00	3736691.00	10.16686c	(14020524)
497696.00	3736691.00	8.84786b	(14111524)	497746.00	3736691.00	7.80884b	(14111524)
498796.00	3736691.00	1.33629	(15121124)	498846.00	3736691.00	1.26576	(15121124)
499296.00	3736691.00	0.97401	(15121124)	499346.00	3736691.00	0.93063	(15121124)
499796.00	3736691.00	0.74239	(15121124)	499846.00	3736691.00	0.71243	(15121124)
499896.00	3736691.00	0.69413	(11123024)	499946.00	3736691.00	0.67829	(11123024)
499996.00	3736691.00	0.66761	(11123024)	500046.00	3736691.00	0.65520	(10041224)
500096.00	3736691.00	0.64513	(10041224)	500146.00	3736691.00	0.63530	(10041224)
496546.00	3736741.00	4.28590	(11010224)	496596.00	3736741.00	4.72680	(11010224)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
496646.00	3736741.00	5.22276	(11010224)	496696.00	3736741.00	5.77895	(11010224)
496746.00	3736741.00	6.40042	(11010224)	496796.00	3736741.00	7.10751c	(14012324)
497246.00	3736741.00	27.47861	(14011524)	497296.00	3736741.00	30.79948	(14011524)
497346.00	3736741.00	30.08608	(16122724)	497396.00	3736741.00	28.56024	(14063024)
497446.00	3736741.00	24.89815	(16090824)	497496.00	3736741.00	20.67874	(16090824)
497546.00	3736741.00	16.73683c	(16050824)	497596.00	3736741.00	13.30446	(16011824)
497646.00	3736741.00	11.20813b	(14111524)	497696.00	3736741.00	9.68616b	(14111524)
497746.00	3736741.00	8.35837b	(14111524)	498796.00	3736741.00	1.32724	(15121124)
498846.00	3736741.00	1.25527	(15121124)	499296.00	3736741.00	0.81600	(15121124)
499346.00	3736741.00	0.88884	(15121124)	500096.00	3736741.00	0.66873	(10041224)
500146.00	3736741.00	0.65739	(10041224)	496546.00	3736791.00	4.34751	(11010224)
496596.00	3736791.00	4.84716	(11010224)	496646.00	3736791.00	5.42521	(11010224)
496696.00	3736791.00	6.09448	(11010224)	496746.00	3736791.00	6.86879	(11010224)
496796.00	3736791.00	7.76358	(11010224)	497196.00	3736791.00	28.91572	(14122324)
497246.00	3736791.00	35.66863	(14011524)	497296.00	3736791.00	41.54122	(14011524)
497346.00	3736791.00	40.32683	(16122724)	497396.00	3736791.00	36.96677	(14063024)
497446.00	3736791.00	30.73602	(16090824)	497496.00	3736791.00	23.62567c	(16050824)
497546.00	3736791.00	18.08910	(16011824)	497596.00	3736791.00	23.18363	(14111224)
497646.00	3736791.00	12.37580b	(14111524)	497696.00	3736791.00	10.45288	(10112824)
497746.00	3736791.00	8.89580	(10112824)	498496.00	3736791.00	1.91719	(15121124)
498546.00	3736791.00	1.78971	(15121124)	498796.00	3736791.00	1.31000	(15121124)
498846.00	3736791.00	1.23754	(15121124)	499296.00	3736791.00	0.79834	(15121124)
499346.00	3736791.00	0.76389	(15121124)	499596.00	3736791.00	0.80601	(11123024)
499646.00	3736791.00	0.78186	(11123024)	499696.00	3736791.00	0.79317	(11123024)
500096.00	3736791.00	0.68978	(10041224)	500146.00	3736791.00	0.67595	(10041224)
500196.00	3736791.00	0.66523	(10041224)	500246.00	3736791.00	0.65688	(10041224)
500296.00	3736791.00	0.64836	(10041224)	500346.00	3736791.00	0.63539	(10041224)
500396.00	3736791.00	0.62515	(10041224)	500446.00	3736791.00	0.61685	(10041224)

500496.00	3736791.00	0.60336	(10041224)	496546.00	3736841.00	4.30247	(11010224)
496596.00	3736841.00	4.83763	(11010224)	496646.00	3736841.00	5.47210	(11010224)
496696.00	3736841.00	6.22888	(11010224)	496746.00	3736841.00	7.13625	(11010224)
496796.00	3736841.00	8.22883	(11010224)	497196.00	3736841.00	41.31028	(14122324)
497246.00	3736841.00	48.26991	(14011524)	497296.00	3736841.00	59.88498	(14011524)
497346.00	3736841.00	57.31281	(16122724)	497396.00	3736841.00	49.28468	(16090824)
497446.00	3736841.00	36.77226b	(10102124)	497496.00	3736841.00	26.70495	(16011824)
497546.00	3736841.00	20.64935b	(14111524)	497596.00	3736841.00	16.59749	(10112824)
497646.00	3736841.00	13.58632	(10112824)	497696.00	3736841.00	11.06821	(10112824)
497746.00	3736841.00	9.12403b	(14111524)	498496.00	3736841.00	1.89571	(15121124)
498546.00	3736841.00	1.76668	(15121124)	498796.00	3736841.00	1.28570	(15121124)
498846.00	3736841.00	1.21370	(15121124)	499296.00	3736841.00	0.77558	(15121124)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499346.00	3736841.00	0.74510	(15121124)	499596.00	3736841.00	0.82209	(11123024)
499646.00	3736841.00	0.79694	(11123024)	499696.00	3736841.00	0.80853	(11123024)
500096.00	3736841.00	0.69956	(10041224)	500146.00	3736841.00	0.69011	(10041224)
500196.00	3736841.00	0.67910	(10041224)	500246.00	3736841.00	0.66385	(10041224)
500296.00	3736841.00	0.65422	(10041224)	500346.00	3736841.00	0.64477	(10041224)
500396.00	3736841.00	0.62955	(10041224)	500446.00	3736841.00	0.62055	(10041224)
500496.00	3736841.00	0.60650	(10041224)	496546.00	3736891.00	4.16112	(11010224)
496596.00	3736891.00	4.70160	(11010224)	496646.00	3736891.00	5.35441	(11010224)
496696.00	3736891.00	6.15077	(11010224)	496746.00	3736891.00	7.13268	(11010224)
496796.00	3736891.00	8.35765	(11010224)	497096.00	3736891.00	28.42685c	(14012324)
497146.00	3736891.00	41.23006	(14122324)	497196.00	3736891.00	59.29962	(14122324)
497246.00	3736891.00	72.67052	(14122324)	497296.00	3736891.00	96.16024	(14011524)
497346.00	3736891.00	90.88163	(14063024)	497396.00	3736891.00	67.99122	(16090824)
497446.00	3736891.00	44.57470	(16011824)	497496.00	3736891.00	31.44783b	(14111524)
497546.00	3736891.00	23.77768	(10112824)	497596.00	3736891.00	18.17148	(10112824)
497646.00	3736891.00	14.12684b	(14111524)	497696.00	3736891.00	11.34996b	(14111524)
497746.00	3736891.00	9.52134	(15121124)	498496.00	3736891.00	1.85952	(15121124)
498546.00	3736891.00	1.73124	(15121124)	498746.00	3736891.00	1.33323	(15121124)
498796.00	3736891.00	1.25566	(15121124)	498846.00	3736891.00	1.18496	(15121124)
499296.00	3736891.00	0.77025	(11123024)	499346.00	3736891.00	0.74904	(11123024)
499596.00	3736891.00	0.83092	(11123024)	499646.00	3736891.00	0.82741	(11123024)
499696.00	3736891.00	0.81643	(11123024)	499746.00	3736891.00	0.80734	(11123024)
499796.00	3736891.00	0.78374	(11123024)	499846.00	3736891.00	0.76997	(11123024)
499896.00	3736891.00	0.74288	(11123024)	499946.00	3736891.00	0.74604	(10041224)
499996.00	3736891.00	0.72975	(10041224)	500046.00	3736891.00	0.71576	(10041224)
500096.00	3736891.00	0.70139	(10041224)	500146.00	3736891.00	0.69110	(10041224)
500196.00	3736891.00	0.68076	(10041224)	500246.00	3736891.00	0.66877	(10041224)
500296.00	3736891.00	0.65315	(10041224)	500346.00	3736891.00	0.64322	(10041224)
500396.00	3736891.00	0.62745	(10041224)	500446.00	3736891.00	0.61786	(10041224)
500496.00	3736891.00	0.60613	(10041224)	496546.00	3736941.00	4.00462c	(14012324)
496596.00	3736941.00	4.50432c	(14012324)	496646.00	3736941.00	5.10958c	(14012324)
496696.00	3736941.00	5.88771	(11010224)	496746.00	3736941.00	6.86663	(11010224)
496796.00	3736941.00	8.11778	(11010224)	497096.00	3736941.00	34.43237c	(14012324)
497146.00	3736941.00	49.49510c	(14012324)	497196.00	3736941.00	78.17957	(14122324)
497246.00	3736941.00	137.66858	(14122324)	497296.00	3736941.00	189.67941	(14010524)
497346.00	3736941.00	170.33200	(14120124)	497396.00	3736941.00	94.53040	(16011824)
497446.00	3736941.00	55.33792b	(14111524)	497496.00	3736941.00	36.49760	(10112824)
497546.00	3736941.00	25.58595b	(14111524)	497596.00	3736941.00	18.90340	(15121124)
497646.00	3736941.00	14.83280	(15121124)	497696.00	3736941.00	11.94762	(15121124)
497746.00	3736941.00	9.83878	(15121124)	498746.00	3736941.00	1.29674	(15121124)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FAC3 ***
INCLUDING SOURCE(S): L0000934 , L0000935 , L0000936 , L0000937 , L0000938 ,
L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 , L0000946 ,
L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 , L0000954 ,
L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
498796.00	3736941.00	1.22269c	(14121524)	498846.00	3736941.00	1.15832c	(14121524)
499596.00	3736941.00	0.83198	(11123024)	499646.00	3736941.00	0.82798	(11123024)
499696.00	3736941.00	0.81639	(11123024)	499746.00	3736941.00	0.80678	(11123024)

499796.00	3736941.00	0.78281	(11123024)	499846.00	3736941.00	0.76814	(11123024)
499896.00	3736941.00	0.74187	(11123024)	499946.00	3736941.00	0.74257	(11123024)
499996.00	3736941.00	0.72564	(11123024)	500046.00	3736941.00	0.71456	(10041224)
500096.00	3736941.00	0.70017	(10041224)	500146.00	3736941.00	0.68476	(10041224)
500196.00	3736941.00	0.67372	(10041224)	500246.00	3736941.00	0.66243	(10041224)
500296.00	3736941.00	0.64539	(10041224)	500346.00	3736941.00	0.63491	(10041224)
500396.00	3736941.00	0.61908	(10041224)	500446.00	3736941.00	0.60904	(10041224)
500496.00	3736941.00	0.59579	(10041224)	496546.00	3736991.00	3.86251c	(14012324)
496596.00	3736991.00	4.33908c	(14012324)	498696.00	3736991.00	1.37422c	(14121524)
498746.00	3736991.00	1.29658c	(14121524)	498796.00	3736991.00	1.22575c	(14121524)
498846.00	3736991.00	1.16104c	(14121524)	498896.00	3736991.00	1.10162c	(14121524)
499696.00	3736991.00	0.80841	(11123024)	496546.00	3737041.00	3.78068c	(14121524)
496596.00	3737041.00	4.24137c	(14121524)	498696.00	3737041.00	1.40580	(14042624)
498746.00	3737041.00	1.32713	(14042624)	498796.00	3737041.00	1.25511	(14042624)
498846.00	3737041.00	1.18936	(14042624)	498896.00	3737041.00	1.12889	(14042624)
499696.00	3737041.00	0.79297	(11123024)	496546.00	3737091.00	3.94601	(11010224)
496596.00	3737091.00	4.23730c	(14121524)	498746.00	3737091.00	1.38745	(14042624)
498796.00	3737091.00	1.31116	(14042624)	498846.00	3737091.00	1.24140	(14042624)
498896.00	3737091.00	1.17746	(14042624)	499696.00	3737091.00	0.77091	(11123024)
496546.00	3737141.00	4.35456	(11010224)	496596.00	3737141.00	4.69692	(16112824)
499696.00	3737141.00	0.76878	(14042624)	499396.00	3737191.00	0.79002	(14042624)
499446.00	3737191.00	0.76481	(14042624)	499496.00	3737191.00	0.73843	(14042624)
499546.00	3737191.00	0.78726	(14042624)	499596.00	3737191.00	0.81906	(14042624)
499646.00	3737191.00	0.79593	(14042624)	499696.00	3737191.00	0.79156	(14042624)
499396.00	3737241.00	0.80523	(14042624)	499446.00	3737241.00	0.77987	(14042624)
499496.00	3737241.00	0.75027	(14042624)	499546.00	3737241.00	0.80558	(14042624)
499596.00	3737241.00	0.83974	(14042624)	499646.00	3737241.00	0.81605	(14042624)
499696.00	3737241.00	0.81194	(14042624)	499396.00	3737291.00	0.81618	(14042624)
499446.00	3737291.00	0.79102	(14042624)	499496.00	3737291.00	0.76125	(14042624)
499546.00	3737291.00	0.82054	(14042624)	499596.00	3737291.00	0.79638	(14042624)
499646.00	3737291.00	0.83338	(14042624)	499696.00	3737291.00	0.82348	(14042624)
499396.00	3737341.00	0.82271	(14042624)	499446.00	3737341.00	0.79482	(14042624)
499496.00	3737341.00	0.76849	(14042624)	499546.00	3737341.00	0.83194	(14042624)
499596.00	3737341.00	0.80160	(14042624)	499646.00	3737341.00	0.84771	(14042624)
499696.00	3737341.00	0.81743	(14042624)	498945.00	3736941.00	1.04908	(11123024)
498995.00	3736943.00	1.00024	(11123024)	498945.00	3736894.00	1.06017	(15121124)
498995.00	3736897.00	1.00378	(15121124)				

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499046.00	3736191.00	2.81800m	(15020724)	499096.00	3736191.00	2.91043m	(15020724)
499146.00	3736191.00	3.01512m	(15020724)	499196.00	3736191.00	3.13809m	(15020724)
499246.00	3736191.00	3.27504m	(15020724)	499296.00	3736191.00	3.42597m	(15020724)
499346.00	3736191.00	3.58102m	(15020724)	499396.00	3736191.00	3.72997m	(15020724)
499446.00	3736191.00	3.85672m	(15020724)	499496.00	3736191.00	3.95192m	(15020724)
499546.00	3736191.00	4.00624m	(15020724)	499596.00	3736191.00	4.02222m	(15020724)
499646.00	3736191.00	4.00148m	(15020724)	499696.00	3736191.00	3.94698m	(15020724)
499746.00	3736191.00	3.87353m	(15020724)	499796.00	3736191.00	3.77405m	(15020724)
499846.00	3736191.00	3.66168m	(15020724)	499896.00	3736191.00	3.53786b	(14111524)
499946.00	3736191.00	3.42544b	(14111524)	499996.00	3736191.00	3.29662b	(14111524)
500046.00	3736191.00	3.15099b	(14111524)	500096.00	3736191.00	2.99027b	(14111524)
500146.00	3736191.00	2.82336b	(14111524)	500196.00	3736191.00	2.65292b	(14111524)
500246.00	3736191.00	2.47557b	(14111524)	500296.00	3736191.00	2.30250b	(14111524)
500346.00	3736191.00	2.13348b	(14111524)	500396.00	3736191.00	1.96949b	(14111524)
500446.00	3736191.00	1.86772	(15121124)	500496.00	3736191.00	1.79560	(15121124)
499046.00	3736241.00	3.04304m	(15020724)	499096.00	3736241.00	3.15710m	(15020724)
499146.00	3736241.00	3.28928m	(15020724)	499196.00	3736241.00	3.44735m	(15020724)
499246.00	3736241.00	3.62849m	(15020724)	499296.00	3736241.00	3.83276m	(15020724)
499346.00	3736241.00	4.04774m	(15020724)	499396.00	3736241.00	4.25681m	(15020724)
499446.00	3736241.00	4.43453m	(15020724)	499496.00	3736241.00	4.56173m	(15020724)
499546.00	3736241.00	4.62889m	(15020724)	499596.00	3736241.00	4.64251m	(15020724)
499646.00	3736241.00	4.60955m	(15020724)	499696.00	3736241.00	4.54269m	(15020724)
499746.00	3736241.00	4.44490m	(15020724)	499796.00	3736241.00	4.33003m	(15020724)
499846.00	3736241.00	4.19248m	(15020724)	499896.00	3736241.00	4.06683b	(14111524)
499946.00	3736241.00	3.92421b	(14111524)	499996.00	3736241.00	3.76024b	(14111524)
500046.00	3736241.00	3.57327b	(14111524)	500096.00	3736241.00	3.37021b	(14111524)
500146.00	3736241.00	3.15532b	(14111524)	500196.00	3736241.00	2.93534b	(14111524)
500246.00	3736241.00	2.70915b	(14111524)	500296.00	3736241.00	2.48804b	(14111524)
500346.00	3736241.00	2.27462b	(14111524)	500396.00	3736241.00	2.11385	(15121124)
500446.00	3736241.00	2.00419	(15121124)	500496.00	3736241.00	1.91144	(15121124)
499046.00	3736291.00	3.29466m	(15020724)	499096.00	3736291.00	3.43614m	(15020724)
499146.00	3736291.00	3.60497m	(15020724)	499196.00	3736291.00	3.81066m	(15020724)
499246.00	3736291.00	4.05504m	(15020724)	499296.00	3736291.00	4.33938m	(15020724)
499346.00	3736291.00	4.64836m	(15020724)	499396.00	3736291.00	4.95265m	(15020724)
499446.00	3736291.00	5.20892m	(15020724)	499496.00	3736291.00	5.37876m	(15020724)

499546.00	3736291.00	5.45793m (15020724)	499596.00	3736291.00	5.46055m (15020724)
499646.00	3736291.00	5.40732m (15020724)	499696.00	3736291.00	5.31661m (15020724)
499746.00	3736291.00	5.19442m (15020724)	499796.00	3736291.00	5.05646m (15020724)
499846.00	3736291.00	4.91094b (14111524)	499896.00	3736291.00	4.76214b (14111524)
499946.00	3736291.00	4.58264b (14111524)	499996.00	3736291.00	4.37435b (14111524)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
500046.00	3736291.00	4.13567b (14111524)	500096.00	3736291.00	3.87080b (14111524)
500146.00	3736291.00	3.58722b (14111524)	500196.00	3736291.00	3.29111b (14111524)
500246.00	3736291.00	2.99463b (14111524)	500296.00	3736291.00	2.70349b (14111524)
500346.00	3736291.00	2.45329 (15121124)	500396.00	3736291.00	2.28159 (15121124)
500446.00	3736291.00	2.14409 (15121124)	500496.00	3736291.00	2.02464 (15121124)
499046.00	3736341.00	3.57549m (15020724)	499096.00	3736341.00	3.75116m (15020724)
499146.00	3736341.00	3.96929m (15020724)	499196.00	3736341.00	4.23998m (15020724)
499246.00	3736341.00	4.57904m (15020724)	499296.00	3736341.00	4.98784m (15020724)
499346.00	3736341.00	5.45297m (15020724)	499396.00	3736341.00	5.92159m (15020724)
499446.00	3736341.00	6.30326m (15020724)	499496.00	3736341.00	6.52944m (15020724)
499546.00	3736341.00	6.60994m (15020724)	499596.00	3736341.00	6.58741m (15020724)
499646.00	3736341.00	6.50180m (15020724)	499696.00	3736341.00	6.37813m (15020724)
499746.00	3736341.00	6.22613m (15020724)	499796.00	3736341.00	6.06736b (14111524)
499846.00	3736341.00	5.91195b (14111524)	499896.00	3736341.00	5.72347b (14111524)
499946.00	3736341.00	5.49981b (14111524)	499996.00	3736341.00	5.23575b (14111524)
500046.00	3736341.00	4.92716b (14111524)	500096.00	3736341.00	4.57266b (14111524)
500146.00	3736341.00	4.18108b (14111524)	500196.00	3736341.00	3.76856b (14111524)
500246.00	3736341.00	3.35322b (14111524)	500296.00	3736341.00	2.95365b (14111524)
500346.00	3736341.00	2.66565 (15121124)	500396.00	3736341.00	2.46053 (15121124)
500446.00	3736341.00	2.27927 (15121124)	500496.00	3736341.00	2.09729 (15121124)
499046.00	3736391.00	3.88766m (15020724)	499096.00	3736391.00	4.10452m (15020724)
499146.00	3736391.00	4.38423m (15020724)	499196.00	3736391.00	4.75260m (16031424)
499246.00	3736391.00	5.22700m (15020724)	499296.00	3736391.00	5.84645m (15020724)
499346.00	3736391.00	6.59792m (15020724)	499396.00	3736391.00	7.38261m (15020724)
499446.00	3736391.00	7.98238m (15020724)	499496.00	3736391.00	8.27034m (15020724)
499546.00	3736391.00	8.32082m (15020724)	499596.00	3736391.00	8.24540m (15020724)
499646.00	3736391.00	8.10810m (15020724)	499696.00	3736391.00	7.93727m (15020724)
499746.00	3736391.00	7.75520b (14111524)	499796.00	3736391.00	7.59061b (14111524)
499846.00	3736391.00	7.39114b (14111524)	499896.00	3736391.00	7.15728b (14111524)
499946.00	3736391.00	6.88063b (14111524)	499996.00	3736391.00	6.54839b (14111524)
500046.00	3736391.00	6.14341b (14111524)	500096.00	3736391.00	5.65078b (14111524)
500146.00	3736391.00	5.07359b (14111524)	500196.00	3736391.00	4.44579b (14111524)
500246.00	3736391.00	3.81585b (14111524)	500296.00	3736391.00	3.25706 (15121124)
500346.00	3736391.00	2.91525 (15121124)	500396.00	3736391.00	2.63154 (15121124)
500446.00	3736391.00	2.36942 (15121124)	500496.00	3736391.00	2.17471 (15121124)
499046.00	3736441.00	4.23298m (15020724)	499096.00	3736441.00	4.49644m (15020724)
499146.00	3736441.00	4.86847m (16031424)	499196.00	3736441.00	5.37470m (16031424)
499246.00	3736441.00	6.07185m (16031424)	499296.00	3736441.00	7.12954c (15121824)
499346.00	3736441.00	8.38055m (15020724)	499396.00	3736441.00	9.90329m (15020724)
499446.00	3736441.00	10.91210m (15020724)	499496.00	3736441.00	11.20874m (15020724)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
499546.00	3736441.00	11.15453m (15020724)	499596.00	3736441.00	10.97872m (15020724)
499646.00	3736441.00	10.76353m (15020724)	499696.00	3736441.00	10.53768m (15020724)
499746.00	3736441.00	10.33495b (14111524)	499796.00	3736441.00	10.11249b (14111524)
499846.00	3736441.00	9.85989b (14111524)	499896.00	3736441.00	9.57210b (14111524)
499946.00	3736441.00	9.23349b (14111524)	499996.00	3736441.00	8.81752b (14111524)
500046.00	3736441.00	8.28008b (14111524)	500096.00	3736441.00	7.56039b (14111524)
500146.00	3736441.00	6.61170b (14111524)	500196.00	3736441.00	5.50333b (14111524)
500246.00	3736441.00	4.41568b (14111524)	500296.00	3736441.00	3.66153 (15121124)
500346.00	3736441.00	3.15034 (15121124)	500396.00	3736441.00	2.73985 (15121124)
500446.00	3736441.00	2.44706 (15121124)	500496.00	3736441.00	2.21794 (15121124)

499046.00	3736491.00	4.61358m (15020724)	499096.00	3736491.00	4.93500m (16031424)
499146.00	3736491.00	5.40033m (16031424)	499196.00	3736491.00	6.07512m (16031424)
499246.00	3736491.00	7.11631c (14121524)	499296.00	3736491.00	8.92168c (15121824)
499346.00	3736491.00	11.94553c (15121824)	499396.00	3736491.00	15.60659m (15020724)
499446.00	3736491.00	17.37493m (15020724)	499496.00	3736491.00	17.37951c (14121524)
499546.00	3736491.00	17.24932c (14121524)	499596.00	3736491.00	17.02172c (14121524)
499646.00	3736491.00	16.76301c (14121524)	499696.00	3736491.00	16.49117c (14121524)
499746.00	3736491.00	16.20813c (14121524)	499796.00	3736491.00	15.90942c (14121524)
499846.00	3736491.00	15.58371c (14121524)	499896.00	3736491.00	15.21743c (14121524)
499946.00	3736491.00	14.78131c (14121524)	499996.00	3736491.00	14.22597c (14121524)
500196.00	3736491.00	7.42196b (14111524)	500246.00	3736491.00	5.18579 (15121124)
500296.00	3736491.00	4.03724 (15121124)	500346.00	3736491.00	3.29026 (15121124)
500396.00	3736491.00	2.80646 (15121124)	500446.00	3736491.00	2.46817 (15121124)
500496.00	3736491.00	2.21609 (15121124)	499046.00	3736541.00	5.03405m (15020724)
499096.00	3736541.00	5.40830m (16031424)	499146.00	3736541.00	5.96185m (16031424)
499196.00	3736541.00	6.81964c (14121524)	499246.00	3736541.00	8.32085c (14121524)
499296.00	3736541.00	11.33476c (14121524)	499346.00	3736541.00	20.13401c (14121524)
499396.00	3736541.00	35.37058c (14121524)	499446.00	3736541.00	26.61337c (14121524)
499496.00	3736541.00	26.07867c (14121524)	499546.00	3736541.00	34.81600c (14121524)
499596.00	3736541.00	24.82647c (14121524)	499646.00	3736541.00	24.77143c (14121524)
499696.00	3736541.00	33.06409c (14121524)	499746.00	3736541.00	23.66682c (14121524)
499796.00	3736541.00	32.49624c (14121524)	499846.00	3736541.00	31.44244c (14121524)
499896.00	3736541.00	22.46877c (14121524)	499946.00	3736541.00	30.41498c (14121524)
499996.00	3736541.00	29.37077c (14121524)	500196.00	3736541.00	11.76315c (14121524)
500246.00	3736541.00	5.89097 (15121124)	500296.00	3736541.00	4.14817 (15121124)
500346.00	3736541.00	3.29068 (15121124)	500396.00	3736541.00	2.76748 (15121124)
500446.00	3736541.00	2.41755 (15121124)	500496.00	3736541.00	2.14020 (15121124)
496546.00	3736591.00	1.46713 (11010224)	496596.00	3736591.00	1.56094 (11010224)
496646.00	3736591.00	1.66089 (11010224)	496696.00	3736591.00	1.76666 (11010224)
496746.00	3736591.00	1.87776 (11010224)	496796.00	3736591.00	1.99277 (11010224)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
497196.00	3736591.00	3.12163m (15020724)	497246.00	3736591.00	3.23961m (15020724)
497296.00	3736591.00	3.34361m (15020724)	497346.00	3736591.00	3.56378m (15020724)
497396.00	3736591.00	3.51881m (15020724)	497446.00	3736591.00	3.59402m (15020724)
497496.00	3736591.00	3.65885m (15020724)	497546.00	3736591.00	3.71722m (15020724)
497596.00	3736591.00	3.76941m (15020724)	497646.00	3736591.00	3.81540m (15020724)
497696.00	3736591.00	3.86132m (15020724)	497746.00	3736591.00	3.90403m (15020724)
499296.00	3736591.00	13.49619c (14121524)	499346.00	3736591.00	27.58728c (14121524)
499796.00	3736591.00	28.48115c (14121524)	499846.00	3736591.00	28.51938c (14121524)
499896.00	3736591.00	28.49028c (14121524)	499946.00	3736591.00	28.45285c (14121524)
499996.00	3736591.00	28.25651c (14121524)	500046.00	3736591.00	27.75864c (14121524)
500096.00	3736591.00	26.49664c (14121524)	500146.00	3736591.00	22.22433c (14121524)
496546.00	3736641.00	1.53407 (11010224)	496596.00	3736641.00	1.64611 (11010224)
496646.00	3736641.00	1.76693 (11010224)	496696.00	3736641.00	1.89639 (11010224)
496746.00	3736641.00	2.03392 (11010224)	496796.00	3736641.00	2.17791 (11010224)
497246.00	3736641.00	3.69910m (15020724)	497296.00	3736641.00	4.05006m (15020724)
497346.00	3736641.00	4.26783m (15020724)	497396.00	3736641.00	4.00207m (15020724)
497446.00	3736641.00	4.08595m (15020724)	497496.00	3736641.00	4.15523m (15020724)
497546.00	3736641.00	4.21192m (15020724)	497596.00	3736641.00	4.27428m (15020724)
497646.00	3736641.00	4.32607m (15020724)	497696.00	3736641.00	4.37404m (15020724)
497746.00	3736641.00	4.41838m (15020724)	499296.00	3736641.00	14.62948c (14121524)
499346.00	3736641.00	28.50342c (14121524)	499796.00	3736641.00	13.88967c (14121524)
499846.00	3736641.00	13.64085c (14121524)	499896.00	3736641.00	13.37205c (14121524)
499946.00	3736641.00	13.04159c (14121524)	499996.00	3736641.00	12.59772c (14121524)
500046.00	3736641.00	11.93414c (14121524)	500096.00	3736641.00	10.84603c (14121524)
500146.00	3736641.00	8.99886c (14121524)	496546.00	3736691.00	1.60240c (14012324)
496596.00	3736691.00	1.73469c (14012324)	496646.00	3736691.00	1.87999 (11010224)
496696.00	3736691.00	2.04212 (11010224)	496746.00	3736691.00	2.21693 (11010224)
496796.00	3736691.00	2.40306 (11010224)	497246.00	3736691.00	4.30628m (15020724)
497296.00	3736691.00	4.83686m (15020724)	497346.00	3736691.00	4.92130m (15020724)
497396.00	3736691.00	4.63365m (15020724)	497446.00	3736691.00	4.72580m (15020724)
497496.00	3736691.00	4.80130m (15020724)	497546.00	3736691.00	5.23731m (15020724)
497596.00	3736691.00	4.92651m (15020724)	497646.00	3736691.00	4.98675m (15020724)
497696.00	3736691.00	5.03678m (15020724)	497746.00	3736691.00	5.08737m (15020724)
498796.00	3736691.00	5.92173m (15020724)	498846.00	3736691.00	6.00467m (15020724)
499296.00	3736691.00	15.21115c (14121524)	499346.00	3736691.00	28.57408c (14121524)
499796.00	3736691.00	9.58825c (14121524)	499846.00	3736691.00	9.29060c (14121524)
499896.00	3736691.00	8.98376c (14121524)	499946.00	3736691.00	8.63614c (14121524)
499996.00	3736691.00	8.21244c (14121524)	500046.00	3736691.00	7.66041c (14121524)
500096.00	3736691.00	6.91793c (14121524)	500146.00	3736691.00	5.95789c (14121524)
496546.00	3736741.00	1.66128c (14012324)	496596.00	3736741.00	1.82566c (14012324)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
496646.00	3736741.00	2.00809c	(14012324)	496696.00	3736741.00	2.20760c	(14012324)
496746.00	3736741.00	2.43094	(11010224)	496796.00	3736741.00	2.68103	(11010224)
497246.00	3736741.00	5.13725m	(15020724)	497296.00	3736741.00	5.27156m	(15020724)
497346.00	3736741.00	5.38582m	(15020724)	497396.00	3736741.00	5.49652m	(15020724)
497446.00	3736741.00	5.59705m	(15020724)	497496.00	3736741.00	5.67805m	(15020724)
497546.00	3736741.00	5.75261m	(15020724)	497596.00	3736741.00	5.80847m	(15020724)
497646.00	3736741.00	5.88396m	(15020724)	497696.00	3736741.00	5.93794m	(15020724)
497746.00	3736741.00	5.99572m	(15020724)	498796.00	3736741.00	6.88037m	(15020724)
498846.00	3736741.00	6.95427m	(15020724)	499296.00	3736741.00	15.67467c	(14121524)
499346.00	3736741.00	28.60347c	(14121524)	500096.00	3736741.00	5.20398c	(14121524)
500146.00	3736741.00	4.60954c	(14121524)	496546.00	3736791.00	1.69394c	(14012324)
496596.00	3736791.00	1.89149c	(14012324)	496646.00	3736791.00	2.12406c	(14012324)
496696.00	3736791.00	2.39302c	(14012324)	496746.00	3736791.00	2.69602c	(14012324)
496796.00	3736791.00	3.03141c	(14012324)	497196.00	3736791.00	6.16185m	(15020724)
497246.00	3736791.00	6.34637m	(15020724)	497296.00	3736791.00	6.50065m	(15020724)
497346.00	3736791.00	6.62875m	(15020724)	497396.00	3736791.00	6.74841m	(15020724)
497446.00	3736791.00	6.85876m	(15020724)	497496.00	3736791.00	6.95168m	(15020724)
497546.00	3736791.00	7.03607m	(15020724)	497596.00	3736791.00	7.41542m	(15020724)
497646.00	3736791.00	7.17552m	(15020724)	497696.00	3736791.00	7.25351m	(15020724)
497746.00	3736791.00	7.31714m	(15020724)	498496.00	3736791.00	8.07629m	(15020724)
498546.00	3736791.00	8.11876m	(15020724)	498796.00	3736791.00	8.29801m	(15020724)
498846.00	3736791.00	8.35705m	(15020724)	499296.00	3736791.00	16.30687c	(14121524)
499346.00	3736791.00	28.78092c	(14121524)	499596.00	3736791.00	8.56571c	(14121524)
499646.00	3736791.00	7.68152c	(14121524)	499696.00	3736791.00	7.07501c	(14121524)
500096.00	3736791.00	4.24948c	(14121524)	500146.00	3736791.00	3.83511c	(14121524)
500196.00	3736791.00	3.41635c	(14121524)	500246.00	3736791.00	3.01787c	(14121524)
500296.00	3736791.00	2.66020c	(14121524)	500346.00	3736791.00	2.35306c	(14121524)
500396.00	3736791.00	2.09516c	(14121524)	500446.00	3736791.00	1.93390	(14042624)
500496.00	3736791.00	1.78374	(14042624)	496546.00	3736841.00	1.69256c	(14012324)
496596.00	3736841.00	1.91426c	(14012324)	496646.00	3736841.00	2.19342c	(14012324)
496696.00	3736841.00	2.54572c	(14012324)	496746.00	3736841.00	2.98413c	(14012324)
496796.00	3736841.00	3.50879c	(14012324)	497196.00	3736841.00	8.06747m	(15020724)
497246.00	3736841.00	8.27978m	(15020724)	497296.00	3736841.00	8.46232m	(15020724)
497346.00	3736841.00	8.61336m	(15020724)	497396.00	3736841.00	8.75529m	(15020724)
497446.00	3736841.00	8.87893m	(15020724)	497496.00	3736841.00	8.99195m	(15020724)
497546.00	3736841.00	9.09555m	(15020724)	497596.00	3736841.00	9.19118m	(15020724)
497646.00	3736841.00	9.28138m	(15020724)	497696.00	3736841.00	9.36674m	(15020724)
497746.00	3736841.00	9.45163m	(15020724)	498496.00	3736841.00	10.53897c	(14121524)
498546.00	3736841.00	10.59884c	(14121524)	498796.00	3736841.00	10.72415c	(14121524)
498846.00	3736841.00	10.76566c	(14121524)	499296.00	3736841.00	17.52727c	(14121524)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499346.00	3736841.00	29.34415c	(14121524)	499596.00	3736841.00	7.80755c	(14121524)
499646.00	3736841.00	6.88569c	(14121524)	499696.00	3736841.00	6.25609c	(14121524)
500096.00	3736841.00	3.63838c	(14121524)	500146.00	3736841.00	3.32512c	(14121524)
500196.00	3736841.00	3.01413c	(14121524)	500246.00	3736841.00	2.71645c	(14121524)
500296.00	3736841.00	2.44205c	(14121524)	500346.00	3736841.00	2.19748c	(14121524)
500396.00	3736841.00	1.99552b	(14111524)	500446.00	3736841.00	1.83460	(14042624)
500496.00	3736841.00	1.71830	(14042624)	496546.00	3736891.00	1.65826c	(14012324)
496596.00	3736891.00	1.88642c	(14012324)	496646.00	3736891.00	2.18876c	(14012324)
496696.00	3736891.00	2.60434c	(14012324)	496746.00	3736891.00	3.19480c	(14012324)
496796.00	3736891.00	4.04364c	(14012324)	497096.00	3736891.00	11.07771c	(14121524)
497146.00	3736891.00	11.52400c	(14121524)	497196.00	3736891.00	11.87569c	(14121524)
497246.00	3736891.00	12.16320c	(14121524)	497296.00	3736891.00	12.41744c	(14121524)
497346.00	3736891.00	12.62894c	(14121524)	497396.00	3736891.00	12.84492c	(14121524)
497446.00	3736891.00	13.02604c	(14121524)	497496.00	3736891.00	13.21273c	(14121524)
497546.00	3736891.00	13.38213c	(14121524)	497596.00	3736891.00	13.54003c	(14121524)
497646.00	3736891.00	13.69976c	(14121524)	497696.00	3736891.00	13.85414c	(14121524)
497746.00	3736891.00	14.01059c	(14121524)	498496.00	3736891.00	16.28664c	(14121524)

498546.00	3736891.00	16.41802c (14121524)	498746.00	3736891.00	16.30924c (14121524)
498796.00	3736891.00	16.25922c (14121524)	498846.00	3736891.00	16.21836c (14121524)
499296.00	3736891.00	20.83537c (14121524)	499346.00	3736891.00	31.17956c (14121524)
499596.00	3736891.00	7.16848c (14121524)	499646.00	3736891.00	6.25611c (14121524)
499696.00	3736891.00	5.63259c (14121524)	499746.00	3736891.00	5.17130c (14121524)
499796.00	3736891.00	4.80619c (14121524)	499846.00	3736891.00	4.49795c (14121524)
499896.00	3736891.00	4.22237c (14121524)	499946.00	3736891.00	3.96348c (14121524)
499996.00	3736891.00	3.71170c (14121524)	500046.00	3736891.00	3.46102c (14121524)
500096.00	3736891.00	3.20976c (14121524)	500146.00	3736891.00	2.95940c (14121524)
500196.00	3736891.00	2.71400c (14121524)	500246.00	3736891.00	2.47884c (14121524)
500296.00	3736891.00	2.25935c (14121524)	500346.00	3736891.00	2.07796b (14111524)
500396.00	3736891.00	1.90690b (14111524)	500446.00	3736891.00	1.76908b (14111524)
500496.00	3736891.00	1.65429 (14042624)	496546.00	3736941.00	1.60006c (14012324)
496596.00	3736941.00	1.81902c (14012324)	496646.00	3736941.00	2.11243c (14012324)
496696.00	3736941.00	2.53070c (14012324)	496746.00	3736941.00	3.17772c (14012324)
496796.00	3736941.00	4.31563c (14012324)	497096.00	3736941.00	22.77252c (14121524)
497146.00	3736941.00	23.54926c (14121524)	497196.00	3736941.00	24.22903c (14121524)
497246.00	3736941.00	24.84758c (14121524)	497296.00	3736941.00	25.42672c (14121524)
497346.00	3736941.00	25.99373c (14121524)	497396.00	3736941.00	26.57391c (14121524)
497446.00	3736941.00	27.13947c (14121524)	497496.00	3736941.00	27.71365c (14121524)
497546.00	3736941.00	28.29777c (14121524)	497596.00	3736941.00	28.88773c (14121524)
497646.00	3736941.00	29.49078c (14121524)	497696.00	3736941.00	30.12308c (14121524)
497746.00	3736941.00	30.74576c (14121524)	498746.00	3736941.00	31.14790c (14121524)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PIPELINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
498796.00	3736941.00	32.06285c (14121524)	498846.00	3736941.00	31.01157c (14121524)
499596.00	3736941.00	6.55567c (14121524)	499646.00	3736941.00	5.70529c (14121524)
499696.00	3736941.00	5.11666c (14121524)	499746.00	3736941.00	4.67776c (14121524)
499796.00	3736941.00	4.32993c (14121524)	499846.00	3736941.00	4.03806c (14121524)
499896.00	3736941.00	3.78081c (14121524)	499946.00	3736941.00	3.54405c (14121524)
499996.00	3736941.00	3.31964c (14121524)	500046.00	3736941.00	3.10212c (14121524)
500096.00	3736941.00	2.88940c (14121524)	500146.00	3736941.00	2.68141c (14121524)
500196.00	3736941.00	2.47951c (14121524)	500246.00	3736941.00	2.29355b (14111524)
500296.00	3736941.00	2.11920b (14111524)	500346.00	3736941.00	1.97169b (14111524)
500396.00	3736941.00	1.82412b (14111524)	500446.00	3736941.00	1.70657b (14111524)
500496.00	3736941.00	1.58946b (14111524)	496546.00	3736991.00	1.58871c (14121524)
496596.00	3736991.00	1.80076c (14121524)	498696.00	3736991.00	30.17722c (14121524)
498746.00	3736991.00	30.65868c (14121524)	498796.00	3736991.00	31.19732c (14121524)
498846.00	3736991.00	31.74891c (14121524)	498896.00	3736991.00	32.32915c (14121524)
499696.00	3736991.00	4.66416c (14121524)	496546.00	3737041.00	1.58490c (14121524)
496596.00	3737041.00	1.79435c (14121524)	498696.00	3737041.00	14.54604c (14121524)
498746.00	3737041.00	14.65840c (14121524)	498796.00	3737041.00	14.78188c (14121524)
498846.00	3737041.00	14.90927c (14121524)	498896.00	3737041.00	15.04365c (14121524)
499696.00	3737041.00	4.25476c (14121524)	496546.00	3737091.00	1.56645c (14121524)
496596.00	3737091.00	1.76586c (14121524)	498746.00	3737091.00	10.03562c (14121524)
498796.00	3737091.00	10.09651c (14121524)	498846.00	3737091.00	10.16082c (14121524)
498896.00	3737091.00	10.22683c (14121524)	499696.00	3737091.00	3.88153c (14121524)
496546.00	3737141.00	1.66686 (16112824)	496596.00	3737141.00	1.74329 (16112824)
499696.00	3737141.00	3.54312c (14121524)	499396.00	3737191.00	5.70877b (10121924)
499446.00	3737191.00	4.90022 (11111924)	499496.00	3737191.00	4.49540c (14121524)
499546.00	3737191.00	4.12113c (14121524)	499596.00	3737191.00	3.78585c (14121524)
499646.00	3737191.00	3.49299c (14121524)	499696.00	3737191.00	3.23914c (14121524)
499396.00	3737241.00	4.86851b (10121924)	499446.00	3737241.00	4.21108 (11111924)
499496.00	3737241.00	3.92737c (14121524)	499546.00	3737241.00	3.65736c (14121524)
499596.00	3737241.00	3.40483c (14121524)	499646.00	3737241.00	3.17492c (14121524)
499696.00	3737241.00	2.96824c (14121524)	499396.00	3737291.00	4.24714b (10121924)
499446.00	3737291.00	3.69456b (10121924)	499496.00	3737291.00	3.47829c (14121524)
499546.00	3737291.00	3.27563c (14121524)	499596.00	3737291.00	3.08060c (14121524)
499646.00	3737291.00	2.89744c (14121524)	499696.00	3737291.00	2.72804c (14121524)
499396.00	3737341.00	3.76713b (10121924)	499446.00	3737341.00	3.33943b (10121924)
499496.00	3737341.00	3.11576 (16112024)	499546.00	3737341.00	2.95822c (14121524)
499596.00	3737341.00	2.80386c (14121524)	499646.00	3737341.00	2.65562c (14121524)
499696.00	3737341.00	2.51553c (14121524)	498945.00	3736941.00	39.82616c (14121524)
498995.00	3736943.00	31.42963c (14121524)	498945.00	3736894.00	16.73411c (14121524)
498995.00	3736897.00	17.32763c (14121524)			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,

L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499046.00	3736191.00	5.13866b	(14111524)	499096.00	3736191.00	5.13789b	(14111524)
499146.00	3736191.00	5.33269	(15121124)	499196.00	3736191.00	5.33858	(15121124)
499246.00	3736191.00	5.57586	(15121124)	499296.00	3736191.00	5.58855	(15121124)
499346.00	3736191.00	5.66942	(15121124)	499396.00	3736191.00	5.67256	(15121124)
499446.00	3736191.00	5.71415	(15121124)	499496.00	3736191.00	5.69335	(15121124)
499546.00	3736191.00	5.69274	(15121124)	499596.00	3736191.00	5.62972	(15121124)
499646.00	3736191.00	5.59633	(15121124)	499696.00	3736191.00	5.60356	(15121124)
499746.00	3736191.00	5.52598	(15121124)	499796.00	3736191.00	5.51614	(15121124)
499846.00	3736191.00	5.45938	(15121124)	499896.00	3736191.00	5.35391	(15121124)
499946.00	3736191.00	5.23460	(15121124)	499996.00	3736191.00	5.14378	(15121124)
500046.00	3736191.00	5.04286	(15121124)	500096.00	3736191.00	4.88547	(15121124)
500146.00	3736191.00	4.77364	(15121124)	500196.00	3736191.00	4.64152	(15121124)
500246.00	3736191.00	4.49356	(15121124)	500296.00	3736191.00	4.37756	(15121124)
500346.00	3736191.00	4.26903	(15121124)	500396.00	3736191.00	4.16157	(15121124)
500446.00	3736191.00	4.01311	(15121124)	500496.00	3736191.00	3.92024	(15121124)
499046.00	3736241.00	5.35595b	(14111524)	499096.00	3736241.00	5.39353m	(16031424)
499146.00	3736241.00	5.66294	(15121124)	499196.00	3736241.00	5.70004	(15121124)
499246.00	3736241.00	5.97749	(15121124)	499296.00	3736241.00	6.01526	(15121124)
499346.00	3736241.00	6.12998	(15121124)	499396.00	3736241.00	6.15549	(15121124)
499446.00	3736241.00	6.21057	(15121124)	499496.00	3736241.00	6.21298	(15121124)
499546.00	3736241.00	6.22378	(15121124)	499596.00	3736241.00	6.14974	(15121124)
499646.00	3736241.00	6.13265	(15121124)	499696.00	3736241.00	6.06713	(15121124)
499746.00	3736241.00	6.05789	(15121124)	499796.00	3736241.00	5.97851	(15121124)
499846.00	3736241.00	5.94736	(15121124)	499896.00	3736241.00	5.84071	(15121124)
499946.00	3736241.00	5.70849	(15121124)	499996.00	3736241.00	5.58988	(15121124)
500046.00	3736241.00	5.41783	(15121124)	500096.00	3736241.00	5.26160	(15121124)
500146.00	3736241.00	5.11089	(15121124)	500196.00	3736241.00	4.93592	(15121124)
500246.00	3736241.00	4.74490	(15121124)	500296.00	3736241.00	4.59435	(15121124)
500346.00	3736241.00	4.45186	(15121124)	500396.00	3736241.00	4.27623	(15121124)
500446.00	3736241.00	4.13461	(15121124)	500496.00	3736241.00	4.01736	(15121124)
499046.00	3736291.00	5.59821b	(14111524)	499096.00	3736291.00	5.68486m	(16031424)
499146.00	3736291.00	5.95233	(15121124)	499196.00	3736291.00	6.09754	(15121124)
499246.00	3736291.00	6.40012	(15121124)	499296.00	3736291.00	6.50937	(15121124)
499346.00	3736291.00	6.61927	(15121124)	499396.00	3736291.00	6.74396	(15121124)
499446.00	3736291.00	6.78699	(15121124)	499496.00	3736291.00	6.86275	(15121124)
499546.00	3736291.00	6.85479	(15121124)	499596.00	3736291.00	6.82635	(15121124)
499646.00	3736291.00	6.81577	(15121124)	499696.00	3736291.00	6.74830	(15121124)
499746.00	3736291.00	6.73465	(15121124)	499796.00	3736291.00	6.62475	(15121124)
499846.00	3736291.00	6.57881	(15121124)	499896.00	3736291.00	6.47197	(15121124)
499946.00	3736291.00	6.29979	(15121124)	499996.00	3736291.00	6.14644	(15121124)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
500046.00	3736291.00	5.92240	(15121124)	500096.00	3736291.00	5.72561	(15121124)
500146.00	3736291.00	5.49651	(15121124)	500196.00	3736291.00	5.24311	(15121124)
500246.00	3736291.00	5.03145	(15121124)	500296.00	3736291.00	4.82725	(15121124)
500346.00	3736291.00	4.61862	(15121124)	500396.00	3736291.00	4.40303	(15121124)
500446.00	3736291.00	4.23943	(15121124)	500496.00	3736291.00	4.09189	(15121124)
499046.00	3736341.00	5.88674m	(16031424)	499096.00	3736341.00	6.01311m	(16031424)
499146.00	3736341.00	6.13924m	(16031424)	499196.00	3736341.00	6.53474	(15121124)
499246.00	3736341.00	6.66880	(15121124)	499296.00	3736341.00	7.09764	(15121124)
499346.00	3736341.00	7.26705	(15121124)	499396.00	3736341.00	7.48688	(15121124)
499446.00	3736341.00	7.76105m	(15020724)	499496.00	3736341.00	7.92947m	(15020724)
499546.00	3736341.00	7.96489m	(15020724)	499596.00	3736341.00	7.89952m	(15020724)
499646.00	3736341.00	7.76911m	(15020724)	499696.00	3736341.00	7.67366	(15121124)
499746.00	3736341.00	7.64814	(15121124)	499796.00	3736341.00	7.51998	(15121124)
499846.00	3736341.00	7.45478	(15121124)	499896.00	3736341.00	7.32233	(15121124)
499946.00	3736341.00	7.08905	(15121124)	499996.00	3736341.00	6.89357	(15121124)
500046.00	3736341.00	6.62136	(15121124)	500096.00	3736341.00	6.34694	(15121124)
500146.00	3736341.00	5.98861	(15121124)	500196.00	3736341.00	5.67667	(15121124)
500246.00	3736341.00	5.37233	(15121124)	500296.00	3736341.00	5.06326	(15121124)
500346.00	3736341.00	4.76534	(15121124)	500396.00	3736341.00	4.53082	(15121124)
500446.00	3736341.00	4.32013	(15121124)	500496.00	3736341.00	4.07956	(15121124)
499046.00	3736391.00	6.22411m	(16031424)	499096.00	3736391.00	6.37830m	(16031424)
499146.00	3736391.00	6.57478m	(16031424)	499196.00	3736391.00	6.96260	(15121124)
499246.00	3736391.00	7.25016m	(16031424)	499296.00	3736391.00	7.72935m	(16031424)
499346.00	3736391.00	8.26977m	(16031424)	499396.00	3736391.00	8.92012m	(15020724)

499446.00	3736391.00	9.45459m (15020724)	499496.00	3736391.00	9.69374m (15020724)
499546.00	3736391.00	9.68821m (15020724)	499596.00	3736391.00	9.56912m (15020724)
499646.00	3736391.00	9.39116b (14111524)	499696.00	3736391.00	9.26494b (14111524)
499746.00	3736391.00	9.09522b (14111524)	499796.00	3736391.00	8.89154b (14111524)
499846.00	3736391.00	8.73324 (15121124)	499896.00	3736391.00	8.50783 (15121124)
499946.00	3736391.00	8.25816 (15121124)	499996.00	3736391.00	7.99621 (15121124)
500046.00	3736391.00	7.67106 (15121124)	500096.00	3736391.00	7.23343 (15121124)
500146.00	3736391.00	6.76308 (15121124)	500196.00	3736391.00	6.27502 (15121124)
500246.00	3736391.00	5.78626 (15121124)	500296.00	3736391.00	5.32047 (15121124)
500346.00	3736391.00	4.94855 (15121124)	500396.00	3736391.00	4.63148 (15121124)
500446.00	3736391.00	4.30948 (15121124)	500496.00	3736391.00	4.08258 (15121124)
499046.00	3736441.00	6.59333m (16031424)	499096.00	3736441.00	6.77407m (16031424)
499146.00	3736441.00	7.06555m (16031424)	499196.00	3736441.00	7.48175m (16031424)
499246.00	3736441.00	8.09986m (16031424)	499296.00	3736441.00	8.96725c (14121524)
499346.00	3736441.00	10.14160c (14121524)	499396.00	3736441.00	11.45570m (15020724)
499446.00	3736441.00	12.39802m (15020724)	499496.00	3736441.00	12.64489m (15020724)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499546.00	3736441.00	12.53370m	(15020724)	499596.00	3736441.00	12.31341m	(15020724)
499646.00	3736441.00	12.13981b	(14111524)	499696.00	3736441.00	11.94084b	(14111524)
499746.00	3736441.00	11.70415b	(14111524)	499796.00	3736441.00	11.44194b	(14111524)
499846.00	3736441.00	11.15015b	(14111524)	499896.00	3736441.00	10.82807b	(14111524)
499946.00	3736441.00	10.45536b	(14111524)	499996.00	3736441.00	10.00552b	(14111524)
500046.00	3736441.00	9.50256	(15121124)	500096.00	3736441.00	8.86432	(15121124)
500146.00	3736441.00	8.09112	(15121124)	500196.00	3736441.00	7.19481	(15121124)
500246.00	3736441.00	6.33100	(15121124)	500296.00	3736441.00	5.64480	(15121124)
500346.00	3736441.00	5.09175	(15121124)	500396.00	3736441.00	4.62703	(15121124)
500446.00	3736441.00	4.30075	(15121124)	500496.00	3736441.00	4.03826	(15121124)
499046.00	3736491.00	6.99622m	(16031424)	499096.00	3736491.00	7.22884m	(16031424)
499146.00	3736491.00	7.60362m	(16031424)	499196.00	3736491.00	8.18839m	(16031424)
499246.00	3736491.00	9.14459c	(14121524)	499296.00	3736491.00	10.83065c	(14121524)
499346.00	3736491.00	13.75299c	(14121524)	499396.00	3736491.00	17.32824c	(14121524)
499446.00	3736491.00	18.90089c	(14121524)	499496.00	3736491.00	19.08087c	(14121524)
499546.00	3736491.00	18.89524c	(14121524)	499596.00	3736491.00	18.61519c	(14121524)
499646.00	3736491.00	18.30653c	(14121524)	499696.00	3736491.00	17.98727c	(14121524)
499746.00	3736491.00	17.65913c	(14121524)	499796.00	3736491.00	17.31733c	(14121524)
499846.00	3736491.00	16.95067c	(14121524)	499896.00	3736491.00	16.54520c	(14121524)
499946.00	3736491.00	16.07177c	(14121524)	499996.00	3736491.00	15.48477c	(14121524)
500196.00	3736491.00	8.93667	(15121124)	500246.00	3736491.00	7.10995	(15121124)
500296.00	3736491.00	5.91834	(15121124)	500346.00	3736491.00	5.11546	(15121124)
500396.00	3736491.00	4.59822	(15121124)	500446.00	3736491.00	4.22478	(15121124)
500496.00	3736491.00	3.93778	(15121124)	499046.00	3736541.00	7.43687m	(16031424)
499096.00	3736541.00	7.71658m	(16031424)	499146.00	3736541.00	8.17346m	(16031424)
499196.00	3736541.00	8.94638c	(14121524)	499246.00	3736541.00	10.36825c	(14121524)
499296.00	3736541.00	13.30776c	(14121524)	499346.00	3736541.00	22.03662c	(14121524)
499396.00	3736541.00	37.20692c	(14121524)	499446.00	3736541.00	28.38689c	(14121524)
499496.00	3736541.00	27.79289c	(14121524)	499546.00	3736541.00	36.47398c	(14121524)
499596.00	3736541.00	26.43104c	(14121524)	499646.00	3736541.00	26.32539c	(14121524)
499696.00	3736541.00	34.56992c	(14121524)	499746.00	3736541.00	25.12680c	(14121524)
499796.00	3736541.00	33.91268c	(14121524)	499846.00	3736541.00	32.81725c	(14121524)
499896.00	3736541.00	23.80390c	(14121524)	499946.00	3736541.00	31.71232c	(14121524)
499996.00	3736541.00	30.63548c	(14121524)	500196.00	3736541.00	12.99278	(15121124)
500246.00	3736541.00	7.71197	(15121124)	500296.00	3736541.00	5.90551	(15121124)
500346.00	3736541.00	5.01293	(15121124)	500396.00	3736541.00	4.45491	(15121124)
500446.00	3736541.00	4.06877	(15121124)	500496.00	3736541.00	3.74109	(15121124)
496546.00	3736591.00	16.33935	(11120624)	496596.00	3736591.00	17.83737	(11120624)
496646.00	3736591.00	19.56548	(14122324)	496696.00	3736591.00	22.28538	(14122324)
496746.00	3736591.00	24.95908	(14122324)	496796.00	3736591.00	27.38111	(14122324)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

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

497196.00	3736591.00	40.65231	(14011524)	497246.00	3736591.00	40.99177	(16122724)
497296.00	3736591.00	46.52390	(16122724)	497346.00	3736591.00	47.24721	(14063024)
497396.00	3736591.00	34.59281	(14063024)	497446.00	3736591.00	32.41024	(16090824)
497496.00	3736591.00	29.32679	(16090824)	497546.00	3736591.00	26.25829c	(16050824)
497596.00	3736591.00	23.65157c	(14020524)	497646.00	3736591.00	22.02021b	(14111524)
497696.00	3736591.00	20.55897b	(14111524)	497746.00	3736591.00	19.13451b	(14111524)
499296.00	3736591.00	15.48542c	(14121524)	499346.00	3736591.00	29.50484c	(14121524)
499796.00	3736591.00	29.90527c	(14121524)	499846.00	3736591.00	29.90137c	(14121524)
499896.00	3736591.00	29.83223c	(14121524)	499946.00	3736591.00	29.75652c	(14121524)
499996.00	3736591.00	29.52530c	(14121524)	500046.00	3736591.00	28.99322c	(14121524)
500096.00	3736591.00	27.70781c	(14121524)	500146.00	3736591.00	23.40364c	(14121524)
496546.00	3736641.00	16.82559	(11120624)	496596.00	3736641.00	18.88347	(11120624)
496646.00	3736641.00	20.88457	(11120624)	496696.00	3736641.00	23.38993	(14122324)
496746.00	3736641.00	26.91377	(14122324)	496796.00	3736641.00	30.32807	(14122324)
497246.00	3736641.00	55.73751	(16122724)	497296.00	3736641.00	60.22768	(15112924)
497346.00	3736641.00	62.82879	(15112924)	497396.00	3736641.00	44.33002	(15101624)
497446.00	3736641.00	36.28795	(16090824)	497496.00	3736641.00	32.09381	(10101924)
497546.00	3736641.00	30.25053c	(16050824)	497596.00	3736641.00	26.27225b	(14111524)
497646.00	3736641.00	24.31371b	(14111524)	497696.00	3736641.00	22.40776b	(14111524)
497746.00	3736641.00	20.62702b	(14111524)	499296.00	3736641.00	16.63346c	(14121524)
499346.00	3736641.00	30.43471c	(14121524)	499796.00	3736641.00	15.32073c	(14121524)
499846.00	3736641.00	15.02946c	(14121524)	499896.00	3736641.00	14.72007c	(14121524)
499946.00	3736641.00	14.35097c	(14121524)	499996.00	3736641.00	13.87028c	(14121524)
500046.00	3736641.00	13.17325c	(14121524)	500096.00	3736641.00	12.05995c	(14121524)
500146.00	3736641.00	10.18110c	(14121524)	496546.00	3736691.00	17.51082	(11010224)
496596.00	3736691.00	19.39412	(11120624)	496646.00	3736691.00	22.16578	(11120624)
496696.00	3736691.00	24.91341	(11120624)	496746.00	3736691.00	28.64734	(14122324)
496796.00	3736691.00	33.36471	(14122324)	497246.00	3736691.00	55.31497	(16122724)
497296.00	3736691.00	74.60407	(15112924)	497346.00	3736691.00	70.34090	(15112924)
497396.00	3736691.00	46.58745	(16090824)	497446.00	3736691.00	40.92290	(10101924)
497496.00	3736691.00	35.41114c	(16050824)	497546.00	3736691.00	51.64833	(14111224)
497596.00	3736691.00	29.38290b	(14111524)	497646.00	3736691.00	26.78002b	(14111524)
497696.00	3736691.00	24.35082b	(14111524)	497746.00	3736691.00	22.17699b	(14111524)
498796.00	3736691.00	8.96527m	(16031424)	498846.00	3736691.00	8.90309m	(16031424)
499296.00	3736691.00	17.22834c	(14121524)	499346.00	3736691.00	30.51759c	(14121524)
499796.00	3736691.00	11.02550c	(14121524)	499846.00	3736691.00	10.68498c	(14121524)
499896.00	3736691.00	10.33718c	(14121524)	499946.00	3736691.00	9.95062c	(14121524)
499996.00	3736691.00	9.48967c	(14121524)	500046.00	3736691.00	8.90351c	(14121524)
500096.00	3736691.00	8.13007c	(14121524)	500146.00	3736691.00	7.14249c	(14121524)
496546.00	3736741.00	18.96689	(11010224)	496596.00	3736741.00	20.94824	(11010224)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
496646.00	3736741.00	23.14206	(11010224)	496696.00	3736741.00	26.54898	(11120624)
496746.00	3736741.00	30.47155	(11120624)	496796.00	3736741.00	36.23552	(14122324)
497246.00	3736741.00	65.93334	(16122724)	497296.00	3736741.00	62.53896	(16122724)
497346.00	3736741.00	62.19164	(10101924)	497396.00	3736741.00	53.36766	(10101924)
497446.00	3736741.00	46.64183	(10101924)	497496.00	3736741.00	40.73264b	(14111524)
497546.00	3736741.00	36.70102b	(14111524)	497596.00	3736741.00	33.55864b	(14111524)
497646.00	3736741.00	29.41336b	(14111524)	497696.00	3736741.00	26.40005b	(14111524)
497746.00	3736741.00	23.82841b	(14111524)	498796.00	3736741.00	9.94493m	(16031424)
498846.00	3736741.00	9.87150m	(16031424)	499296.00	3736741.00	17.70377c	(14121524)
499346.00	3736741.00	30.55767c	(14121524)	500096.00	3736741.00	6.48346	(11123024)
500146.00	3736741.00	5.97592	(11123024)	496546.00	3736791.00	20.15705	(11010224)
496596.00	3736791.00	22.67183	(11010224)	496646.00	3736791.00	25.55989	(11010224)
496696.00	3736791.00	28.91466c	(14012324)	496746.00	3736791.00	32.66081	(11120624)
496796.00	3736791.00	38.59625	(11120624)	497196.00	3736791.00	83.40806	(14010524)
497246.00	3736791.00	80.05516	(16122724)	497296.00	3736791.00	76.38518	(16122724)
497346.00	3736791.00	71.41747	(10101924)	497396.00	3736791.00	64.08477	(10101924)
497446.00	3736791.00	54.15384b	(14111524)	497496.00	3736791.00	47.84274b	(14111524)
497546.00	3736791.00	41.88866b	(14111524)	497596.00	3736791.00	44.83870	(14111224)
497646.00	3736791.00	32.21442b	(14111524)	497696.00	3736791.00	28.65586b	(14111524)
497746.00	3736791.00	25.71826b	(14111524)	498496.00	3736791.00	12.42313m	(16031424)
498546.00	3736791.00	12.20110m	(16031424)	498796.00	3736791.00	11.38724m	(16031424)
498846.00	3736791.00	11.29838c	(14121524)	499296.00	3736791.00	18.34586c	(14121524)
499346.00	3736791.00	30.74449c	(14121524)	499596.00	3736791.00	10.22897b	(14111524)
499646.00	3736791.00	9.27382c	(14121524)	499696.00	3736791.00	8.61644c	(14121524)
500096.00	3736791.00	5.75491	(11123024)	500146.00	3736791.00	5.37556	(11123024)
500196.00	3736791.00	4.99953	(11123024)	500246.00	3736791.00	4.64043	(11123024)
500296.00	3736791.00	4.31454	(11123024)	500346.00	3736791.00	4.00869	(11123024)
500396.00	3736791.00	3.76087	(11123024)	500446.00	3736791.00	3.55670	(11123024)
500496.00	3736791.00	3.36045	(11123024)	496546.00	3736841.00	20.83303	(11010224)
496596.00	3736841.00	23.87812	(11010224)	496646.00	3736841.00	27.53863	(11010224)
496696.00	3736841.00	31.94132	(11010224)	496746.00	3736841.00	37.41582c	(14012324)

496796.00	3736841.00	43.77124c (14012324)	497196.00	3736841.00	110.76906m (15020724)
497246.00	3736841.00	106.88911m (15020724)	497296.00	3736841.00	100.88097m (15020724)
497346.00	3736841.00	91.98252 (10101924)	497396.00	3736841.00	79.03720 (10101924)
497446.00	3736841.00	66.62833b (14111524)	497496.00	3736841.00	56.42879b (14111524)
497546.00	3736841.00	47.80609b (14111524)	497596.00	3736841.00	40.93205b (14111524)
497646.00	3736841.00	35.58768b (14111524)	497696.00	3736841.00	31.46175b (14111524)
497746.00	3736841.00	28.23829b (14111524)	498496.00	3736841.00	14.97051c (14121524)
498546.00	3736841.00	14.76939c (14121524)	498796.00	3736841.00	13.89672c (14121524)
498846.00	3736841.00	13.78482c (14121524)	499296.00	3736841.00	19.57446c (14121524)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
499346.00	3736841.00	31.31519c	(14121524)	499596.00	3736841.00	9.51979b	(14111524)
499646.00	3736841.00	8.50451b	(14111524)	499696.00	3736841.00	7.82761b	(14111524)
500096.00	3736841.00	5.27883	(11123024)	500146.00	3736841.00	4.99112	(11123024)
500196.00	3736841.00	4.70339	(11123024)	500246.00	3736841.00	4.40559	(11123024)
500296.00	3736841.00	4.14930	(11123024)	500346.00	3736841.00	3.91522	(11123024)
500396.00	3736841.00	3.68391	(11123024)	500446.00	3736841.00	3.50532	(11123024)
500496.00	3736841.00	3.32420	(11123024)	496546.00	3736891.00	20.79619	(11010224)
496596.00	3736891.00	24.22210	(11010224)	496646.00	3736891.00	28.53258	(11010224)
496696.00	3736891.00	34.01731	(11010224)	496746.00	3736891.00	41.08166	(11010224)
496796.00	3736891.00	50.69747c	(14012324)	497096.00	3736891.00	158.22357m	(15020724)
497146.00	3736891.00	163.64325m	(15020724)	497196.00	3736891.00	161.66711m	(15020724)
497246.00	3736891.00	153.27520m	(15020724)	497296.00	3736891.00	146.84199m	(15020724)
497346.00	3736891.00	130.17552m	(15020724)	497396.00	3736891.00	104.53290	(16011824)
497446.00	3736891.00	83.52533b	(14111524)	497496.00	3736891.00	67.07273b	(14111524)
497546.00	3736891.00	55.14123b	(14111524)	497596.00	3736891.00	46.63573b	(14111524)
497646.00	3736891.00	40.51737b	(14111524)	497696.00	3736891.00	36.02154b	(14111524)
497746.00	3736891.00	32.65083b	(14111524)	498496.00	3736891.00	20.75428c	(14121524)
498546.00	3736891.00	20.62015c	(14121524)	498746.00	3736891.00	19.66737c	(14121524)
498796.00	3736891.00	19.44877c	(14121524)	498846.00	3736891.00	19.25278c	(14121524)
499296.00	3736891.00	22.88909c	(14121524)	499346.00	3736891.00	33.15642c	(14121524)
499596.00	3736891.00	8.89143b	(14111524)	499646.00	3736891.00	7.94174b	(14111524)
499696.00	3736891.00	7.27877b	(14111524)	499746.00	3736891.00	6.79300	(11123024)
499796.00	3736891.00	6.41489	(11123024)	499846.00	3736891.00	6.11800	(11123024)
499896.00	3736891.00	5.80647	(11123024)	499946.00	3736891.00	5.68312	(11123024)
499996.00	3736891.00	5.42567	(11123024)	500046.00	3736891.00	5.18099	(11123024)
500096.00	3736891.00	4.92748	(11123024)	500146.00	3736891.00	4.68726	(11123024)
500196.00	3736891.00	4.45338	(11123024)	500246.00	3736891.00	4.22832	(11123024)
500296.00	3736891.00	3.99260	(11123024)	500346.00	3736891.00	3.79627	(11123024)
500396.00	3736891.00	3.59266	(11123024)	500446.00	3736891.00	3.43525	(11123024)
500496.00	3736891.00	3.28844	(11123024)	496546.00	3736941.00	20.03455	(11010224)
496596.00	3736941.00	23.57243	(11010224)	496646.00	3736941.00	28.16555	(11010224)
496696.00	3736941.00	34.29117	(11010224)	496746.00	3736941.00	42.71146	(11010224)
496796.00	3736941.00	54.76398	(11010224)	497096.00	3736941.00	274.60781c	(14121524)
497146.00	3736941.00	292.20230c	(14121524)	497196.00	3736941.00	274.79298	(14120124)
497246.00	3736941.00	255.50658c	(14121524)	497296.00	3736941.00	273.26071c	(14121524)
497346.00	3736941.00	234.80141	(14120124)	497396.00	3736941.00	152.35633b	(14111524)
497446.00	3736941.00	109.39604b	(14111524)	497496.00	3736941.00	84.70365b	(14111524)
497546.00	3736941.00	69.83014b	(14111524)	497596.00	3736941.00	61.56117c	(14121524)
497646.00	3736941.00	56.04068c	(14121524)	497696.00	3736941.00	52.23153c	(14121524)
497746.00	3736941.00	49.51993c	(14121524)	498746.00	3736941.00	34.51963c	(14121524)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
498796.00	3736941.00	35.26451c	(14121524)	498846.00	3736941.00	34.05681c	(14121524)
499596.00	3736941.00	8.29020b	(14111524)	499646.00	3736941.00	7.43686b	(14111524)
499696.00	3736941.00	6.82774b	(14111524)	499746.00	3736941.00	6.38207	(11123024)
499796.00	3736941.00	6.01619	(11123024)	499846.00	3736941.00	5.72900	(11123024)
499896.00	3736941.00	5.43403	(11123024)	499946.00	3736941.00	5.31242	(11123024)
499996.00	3736941.00	5.08458	(11123024)	500046.00	3736941.00	4.87243	(11123024)

500096.00	3736941.00	4.65549	(11123024)	500146.00	3736941.00	4.43115	(11123024)
500196.00	3736941.00	4.23149	(11123024)	500246.00	3736941.00	4.04244	(11123024)
500296.00	3736941.00	3.83646	(11123024)	500346.00	3736941.00	3.66707	(11123024)
500396.00	3736941.00	3.48633	(11123024)	500446.00	3736941.00	3.34607	(11123024)
500496.00	3736941.00	3.19813	(11123024)	496546.00	3736991.00	19.14124c	(14012324)
496596.00	3736991.00	22.38791c	(14012324)	498696.00	3736991.00	33.74306c	(14121524)
498746.00	3736991.00	34.03838c	(14121524)	498796.00	3736991.00	34.40606c	(14121524)
498846.00	3736991.00	34.80047c	(14121524)	498896.00	3736991.00	35.23559c	(14121524)
499696.00	3736991.00	6.43337b	(14111524)	496546.00	3737041.00	18.89244	(11010224)
496596.00	3737041.00	21.84534c	(14121524)	498696.00	3737041.00	18.11441c	(14121524)
498746.00	3737041.00	18.04035c	(14121524)	498796.00	3737041.00	17.99263c	(14121524)
498846.00	3737041.00	17.96263c	(14121524)	498896.00	3737041.00	17.95174c	(14121524)
499696.00	3737041.00	6.07128b	(14111524)	496546.00	3737091.00	20.30261	(11010224)
496596.00	3737091.00	21.78130c	(14121524)	498746.00	3737091.00	13.41408c	(14121524)
498796.00	3737091.00	13.30422c	(14121524)	498846.00	3737091.00	13.21141c	(14121524)
498896.00	3737091.00	13.13249c	(14121524)	499696.00	3737091.00	5.72931b	(14111524)
496546.00	3737141.00	20.06676	(16112824)	496596.00	3737141.00	23.12669	(16112824)
499696.00	3737141.00	5.40435b	(14111524)	499396.00	3737191.00	7.18666c	(14121524)
499446.00	3737191.00	6.72849c	(14121524)	499496.00	3737191.00	6.26738c	(14121524)
499546.00	3737191.00	5.92761b	(14111524)	499596.00	3737191.00	5.66539b	(14111524)
499646.00	3737191.00	5.34788b	(14111524)	499696.00	3737191.00	5.09698b	(14111524)
499396.00	3737241.00	6.36881c	(14121524)	499446.00	3737241.00	6.03439c	(14121524)
499496.00	3737241.00	5.69456c	(14121524)	499546.00	3737241.00	5.46800b	(14111524)
499596.00	3737241.00	5.27541b	(14111524)	499646.00	3737241.00	5.01598b	(14111524)
499696.00	3737241.00	4.80729b	(14111524)	499396.00	3737291.00	5.76691c	(14121524)
499446.00	3737291.00	5.50540c	(14121524)	499496.00	3737291.00	5.23935c	(14121524)
499546.00	3737291.00	5.07324b	(14111524)	499596.00	3737291.00	4.83822b	(14111524)
499646.00	3737291.00	4.71040b	(14111524)	499696.00	3737291.00	4.52710b	(14111524)
499396.00	3737341.00	5.30172c	(14121524)	499446.00	3737341.00	5.08711c	(14121524)
499496.00	3737341.00	4.86917c	(14121524)	499546.00	3737341.00	4.74144c	(15111524)
499596.00	3737341.00	4.55314c	(15111524)	499646.00	3737341.00	4.48718c	(15111524)
499696.00	3737341.00	4.29804c	(15111524)	498945.00	3736941.00	42.59592c	(14121524)
498995.00	3736943.00	34.07551c	(14121524)	498945.00	3736894.00	19.49575c	(14121524)
498995.00	3736897.00	19.96649c	(14121524)				

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
FAC1	1ST HIGHEST VALUE IS	93.27452	AT (497096.00, 3736941.00, 458.59, 753.79, 0.00)	DC	
	2ND HIGHEST VALUE IS	51.92531	AT (497146.00, 3736941.00, 458.60, 753.79, 0.00)	DC	
	3RD HIGHEST VALUE IS	50.39874	AT (497096.00, 3736891.00, 459.24, 753.79, 0.00)	DC	
	4TH HIGHEST VALUE IS	37.21175	AT (497146.00, 3736891.00, 459.12, 753.79, 0.00)	DC	
	5TH HIGHEST VALUE IS	30.99081	AT (497196.00, 3736941.00, 459.07, 753.79, 0.00)	DC	
	6TH HIGHEST VALUE IS	25.75100	AT (497196.00, 3736891.00, 459.07, 753.79, 0.00)	DC	
	7TH HIGHEST VALUE IS	20.67767	AT (497196.00, 3736841.00, 459.65, 753.79, 0.00)	DC	
	8TH HIGHEST VALUE IS	20.35874	AT (497246.00, 3736941.00, 458.82, 753.79, 0.00)	DC	
	9TH HIGHEST VALUE IS	18.13782	AT (497246.00, 3736891.00, 459.35, 753.79, 0.00)	DC	
	10TH HIGHEST VALUE IS	16.41979	AT (497196.00, 3736791.00, 460.45, 753.79, 0.00)	DC	
FAC2	1ST HIGHEST VALUE IS	120.94311	AT (497146.00, 3736941.00, 458.60, 753.79, 0.00)	DC	
	2ND HIGHEST VALUE IS	112.91350	AT (497196.00, 3736941.00, 459.07, 753.79, 0.00)	DC	
	3RD HIGHEST VALUE IS	76.85512	AT (497096.00, 3736941.00, 458.59, 753.79, 0.00)	DC	
	4TH HIGHEST VALUE IS	66.44562	AT (497246.00, 3736941.00, 458.82, 753.79, 0.00)	DC	
	5TH HIGHEST VALUE IS	53.56662	AT (497196.00, 3736891.00, 459.07, 753.79, 0.00)	DC	
	6TH HIGHEST VALUE IS	52.46873	AT (497146.00, 3736891.00, 459.12, 753.79, 0.00)	DC	
	7TH HIGHEST VALUE IS	42.79932	AT (497246.00, 3736891.00, 459.35, 753.79, 0.00)	DC	
	8TH HIGHEST VALUE IS	41.63588	AT (497096.00, 3736891.00, 459.24, 753.79, 0.00)	DC	
	9TH HIGHEST VALUE IS	38.23475	AT (497296.00, 3736941.00, 458.90, 753.79, 0.00)	DC	
	10TH HIGHEST VALUE IS	31.59039	AT (497196.00, 3736841.00, 459.65, 753.79, 0.00)	DC	
FAC3	1ST HIGHEST VALUE IS	133.97207	AT (497296.00, 3736941.00, 458.90, 753.79, 0.00)	DC	
	2ND HIGHEST VALUE IS	118.83158	AT (497346.00, 3736941.00, 459.75, 753.79, 0.00)	DC	
	3RD HIGHEST VALUE IS	84.18762	AT (497246.00, 3736941.00, 458.82, 753.79, 0.00)	DC	
	4TH HIGHEST VALUE IS	66.38775	AT (497396.00, 3736941.00, 459.52, 753.79, 0.00)	DC	
	5TH HIGHEST VALUE IS	55.85087	AT (497346.00, 3736891.00, 460.22, 753.79, 0.00)	DC	
	6TH HIGHEST VALUE IS	55.76471	AT (497296.00, 3736891.00, 459.22, 753.79, 0.00)	DC	
	7TH HIGHEST VALUE IS	47.15691	AT (497196.00, 3736941.00, 459.07, 753.79, 0.00)	DC	
	8TH HIGHEST VALUE IS	44.21953	AT (497246.00, 3736891.00, 459.35, 753.79, 0.00)	DC	
	9TH HIGHEST VALUE IS	43.45686	AT (497396.00, 3736891.00, 459.82, 753.79, 0.00)	DC	
	10TH HIGHEST VALUE IS	37.69317	AT (497446.00, 3736941.00, 459.92, 753.79, 0.00)	DC	
PIPELINE	1ST HIGHEST VALUE IS	27.11140	AT (498945.00, 3736941.00, 462.26, 462.26, 0.00)	DC	
	2ND HIGHEST VALUE IS	24.85754	AT (499396.00, 3736541.00, 464.09, 464.09, 0.00)	DC	
	3RD HIGHEST VALUE IS	23.65848	AT (499546.00, 3736541.00, 464.47, 464.47, 0.00)	DC	
	4TH HIGHEST VALUE IS	22.27900	AT (499696.00, 3736541.00, 464.79, 464.79, 0.00)	DC	
	5TH HIGHEST VALUE IS	21.99734	AT (499796.00, 3736541.00, 464.99, 464.99, 0.00)	DC	
	6TH HIGHEST VALUE IS	21.54870	AT (499346.00, 3736891.00, 463.48, 463.48, 0.00)	DC	
	7TH HIGHEST VALUE IS	21.52662	AT (498796.00, 3736941.00, 461.96, 753.79, 0.00)	DC	
	8TH HIGHEST VALUE IS	21.47947	AT (497746.00, 3736941.00, 460.05, 753.79, 0.00)	DC	

```
         9TH HIGHEST VALUE IS      21.37182 AT (  498995.00,  3736943.00,   462.57,   462.57,    0.00)  DC
        10TH HIGHEST VALUE IS      21.17404 AT (  499846.00,  3736541.00,   465.28,   465.28,    0.00)  DC
```


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER   5 YEARS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	218.83171 AT (497146.00, 3736941.00, 458.60, 753.79, 0.00)	DC		
	2ND HIGHEST VALUE IS	208.32494 AT (497196.00, 3736941.00, 459.07, 753.79, 0.00)	DC		
	3RD HIGHEST VALUE IS	206.09500 AT (497096.00, 3736941.00, 458.59, 753.79, 0.00)	DC		
	4TH HIGHEST VALUE IS	204.68246 AT (497296.00, 3736941.00, 458.90, 753.79, 0.00)	DC		
	5TH HIGHEST VALUE IS	188.66287 AT (497246.00, 3736941.00, 458.82, 753.79, 0.00)	DC		
	6TH HIGHEST VALUE IS	172.18939 AT (497346.00, 3736941.00, 459.75, 753.79, 0.00)	DC		
	7TH HIGHEST VALUE IS	121.04299 AT (497146.00, 3736891.00, 459.12, 753.79, 0.00)	DC		
	8TH HIGHEST VALUE IS	120.00299 AT (497196.00, 3736891.00, 459.07, 753.79, 0.00)	DC		
	9TH HIGHEST VALUE IS	116.98242 AT (497096.00, 3736891.00, 459.24, 753.79, 0.00)	DC		
	10TH HIGHEST VALUE IS	114.12630 AT (497246.00, 3736891.00, 459.35, 753.79, 0.00)	DC		

*** RECEPTOR TYPES: GC = GRIDCART
                     GP = GRIDPOLR
                     DC = DISCCART
                     DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
FAC1	HIGH 1ST HIGH VALUE IS	404.56331	ON 10020417: AT (497096.00, 3736941.00, 458.59, 753.79, 0.00)	DC		
FAC2	HIGH 1ST HIGH VALUE IS	432.07162	ON 14090307: AT (497196.00, 3736941.00, 459.07, 753.79, 0.00)	DC		
FAC3	HIGH 1ST HIGH VALUE IS	452.47987	ON 14021817: AT (497346.00, 3736941.00, 459.75, 753.79, 0.00)	DC		
PIPELINE	HIGH 1ST HIGH VALUE IS	74.97823	ON 11091107: AT (498945.00, 3736941.00, 462.26, 462.26, 0.00)	DC		
ALL	HIGH 1ST HIGH VALUE IS	629.00188	ON 11091107: AT (497346.00, 3736941.00, 459.75, 753.79, 0.00)	DC		

*** RECEPTOR TYPES: GC = GRIDCART
                     GP = GRIDPOLR
                     DC = DISCCART
                     DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

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

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
FAC1	HIGH 1ST HIGH VALUE IS	135.45635b	ON 10102124: AT (497096.00, 3736941.00, 458.59, 753.79, 0.00)	DC		
FAC2	HIGH 1ST HIGH VALUE IS	174.83021	ON 14010524: AT (497146.00, 3736941.00, 458.60, 753.79, 0.00)	DC		
FAC3	HIGH 1ST HIGH VALUE IS	189.67941	ON 14010524: AT (497296.00, 3736941.00, 458.90, 753.79, 0.00)	DC		
PIPELINE	HIGH 1ST HIGH VALUE IS	39.82616c	ON 14121524: AT (498945.00, 3736941.00, 462.26, 462.26, 0.00)	DC		
ALL	HIGH 1ST HIGH VALUE IS	292.20230c	ON 14121524: AT (497146.00, 3736941.00, 458.60, 753.79, 0.00)	DC		

*** RECEPTOR TYPES: GC = GRIDCART
                     GP = GRIDPOLR
                     DC = DISCCART

```
                    DP = DISCPOLR
 *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\AERMOD Projects\EMWD SJVRWC\EMWD SJVRWC.isc     ***        01/04/19
 *** AERMET - VERSION  16216 ***   ***                                                                    ***       05:48:15
                                                                                                                   PAGE 139

 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            4 Warning Message(s)
 A Total of         2028 Informational Message(s)

 A Total of        43824 Hours Were Processed

 A Total of          978 Calm Hours Identified

 A Total of         1050 Missing Hours Identified (  2.40 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186     968       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used           0.50
 ME W187     968       MEOPEN: ADJ_U* Option for Low Winds used in AERMET
 MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:      14010101
 MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:    2 year gap

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

EMWD San Jacinto Valley Raw Water Conveyance Facilities
GHG Appendix

Assumptions

EMWD San Jacinto Valley Raw Water Conveyance Facilities
Assumptions

The Proposed Project involves construction of a 2.5-mile conveyance pipeline to provide increased capacity for delivery of imported raw water to the Mountain Avenue recharge sites and to EMWD's existing Integrated Recharge and Recovery Program (IRRP) ponds.

The Proposed Project consists of a connection to MWD's Inland Feeder Pipeline (referred to as the EM-25 connection), a flow control facility, disinfection facilities, and a 60-inch diameter raw water transmission pipeline to convey raw water from the connection point to EMWD's existing SJVFP near the intersection of Kirby Road and Commonwealth Avenue in the City of Hemet.

The facilities evaluated in this Initial Study / Mitigated Negative Declaration (IS/MND) tier off the San Jacinto Valley Water Banking – Enhanced Recharge and Recovery Program (ERRP) certified Program Environmental Impact Report (PEIR), 2018.

CalEEMod Inputs (Non-Default information only)

Project Location	
County	Riverside County
Air District	SCAQMD
Climate Zone	10
Operational Year	2022 (first full operational year)
Utility Provider	Southern California Edison
Source Receptor Area (SCAQMD)	28

	Base	2015[1]	2020[1]	2030
CO intensity	702.4363	531.7443	411.6277	351.2182
% renewable	0%	24.30%	41.40%	50.00%

Land Use	Building SQFT	Building KFS	(seat/ room/ space)	Acres	CalEEMod Land Use Type
Disinfection and FC facilities	10,240	10.24	-	1.4	General Light Industrial
Pipeline	-	-	-	11	Other Asphalt Surfaces

Construction

Construction Schedule

Phases / Activity	Project Schedule Start (month/date/ year)	Project Schedule Finish (month/date/ year)	Days[6]	Modeled Schedule Start (month/date/ year)	Modeled Schedule Finish (month/date/ year)	CalEEMod Source
EM-25, FC & Disinfection Facility	12/1/2019	3/31/2021	352			
Site Preparation			3	1/1/2019	1/3/2019	Site Preparation
Excavation/Mass Site Grading			5	1/1/2019	1/7/2019	Grading
Foundation			10	1/1/2019	1/14/2019	Building Construction
Facility Installation			319	1/1/2019	4/3/2020	Building Construction
Startup			1	1/1/2019	1/1/2019	Building Construction
Testing			14	1/1/2019	1/18/2019	Building Construction
Pipe Installation	5/1/2020	4/30/2021	264			
Demolition			262	1/2/2019	1/2/2020	Demolition
Excavation/trenching			262	1/3/2019	1/3/2020	Grading
Paving			262	1/4/2019	1/6/2020	Paving

Notes:

1. The project is modeled to occur December 2019 through April 2021 (17 months). While the project most likely will not begin construction until 2020, the 2019 construction fleet is a more conservative (has slightly higher emissions) than the 2020 fleet and therefore allows for flexibility in construction schedule. Additionally, as equipment would be anticipated to stay onsite throughout the duration (i.e. they will not replace the equipment onsite just because it is a new calendar year) the fleet emissions for 2019 are more appropriate for the entirety of the Project duration. Therefore all equipment is assumed to be a 2019 fleet mix.

2. Construction would occur Monday through Friday from 7 am to 4 pm
3. Nighttime work is anticipated for the installation of pipeline along Sanderson avenue and last 3 months. Nighttime work will occur in place of daytime hours not in addition to.
4. pipeline installed at 50 feet per day (12 months)
5. Facilities installed over 16 months
6. Total phase days were determined by the Project Description. Individual subphases (such as site prep and grading) are based on CalEEMod and previous project experience. Pipeline assumes 50 feet per day per activity, therefore at any given time 150 feet of pipeline could be actively under construction (demolition, excavation and pipe installation, paving).

7. While construction of the two phases will overlap, construction of the individual subphases (such as site preparation and grading) will not overlap. However as a worst case emissions estimate from onsite equipment all subphases are modeled to start in 2019.
8. Construction of the EM-25 service connection will occur over a total of 375 days (12.5 months). However, the actual construction will only occur over 352 days. The remaining time is for mobilization and administrative activities such as contracts, insurance, bonds, approvals, submittals, project close-out, etc. Therefore, the construction schedule above reflects only the time where actual construction activities would occur.

EM-25, FC & Disinfection Facility

** Equipment is identified based on CalEEMod defaults and PD

Site Preparation

Phase Type Site Preparation

Soil Import/Export

0 Cubic/yards of soil import
0 cubic/yards soil export
0 trucks

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Grader	1	8	Default	Default	Grader
Rubber Tired Dozer	1	8	Default	Default	Rubber Tired Dozer
Tractors/Loaders/Backhoes	1	8	Default	Default	Tractors/Loaders/Backhoes
Water Truck	1	4	Default	Default	Off Highway Truck

Excavation/Mass Site Grading

Phase Type Grading

Soil Import/Export

0 Cubic/yards of soil import
0 cubic/yards soil export
0 trucks

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Grader	1	8	Default	Default	Grader
Rubber Tired Dozer	1	8	Default	Default	Rubber Tired Dozer
Tractors/Loaders/Backhoes	1	8	Default	Default	Tractors/Loaders/Backhoes
Water Truck	1	4	Default	Default	Off Highway Truck

Foundation

Phase Type Building Construction

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Generator Set	1	8	Default	Default	Generator Set
Tractor/loaders/backhoes	1	8	Default	Default	Tractor/loaders/backhoes
Cement and Mortor Mixers	1	6	Default	Default	Cement and Mortor Mixers
Compactor	1	8	Default	Default	plate compactor

Facility Installation

Phase Type Building Construction

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Generator Set	1	8	Default	Default	Generator Set
Forklift	1	8	Default	Default	Forklift
Tractor/loaders/backhoes	1	7	Default	Default	Tractor/loaders/backhoes
Welders	1	6	Default	Default	Welders

Startup

Phase Type Building Construction

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Generator Set	1	8	Default	Default	Generator Set

Testing

Phase Type Building Construction

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Generator Set	1	8	Default	Default	Generator Set

Pipe Installation

** Equipment is identified based on CalEEMod defaults and PD. Equipment is based on 50 linear feet per day of disturbance per sub phase.

Demolition

Phase Type Demolition

Import/Export

1,712	Tons of roadway debris
13,200	linear feet of roadway
10	width of roadway (ft.)
132,000	sq. ft. area of disturbance
0.5	(feet - depth of asphalt
66000	cubic feet
2444.442	cubic yards (debris)
0.7	tons/cy
169	trucks (CalEEMod Default)

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Concrete/Industrial Saws	1	8	Default	Default	Concrete/Industrial Saws
Excavator	1	8	Default	Default	Excavator
Tractors/Loaders/Backhoes	1	8	Default	Default	Tractors/Loaders/Backhoes

*Water truck modeled under facility construction.

Excavation/trenching

Phase Type Grading

Soil Import/Export

0	Cubic/yards of soil import
12,500	cubic/yards soil export
1,562	trucks (CalEEMod Default)

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Rubber Tired Dozer	1	8	Default	Default	Rubber Tired Dozer
Tractors/Loaders/Backhoes	1	8	Default	Default	Tractors/Loaders/Backhoes
Excavator	1	8	Default	Default	Excavator

Paving

Phase Type Paving

11.00 acres to be paved
2.00 vendor trips per day (1 round trip) Estimate of asphalt delivery

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Pavers	1	8	Default	Default	Pavers
Rollers	1	8	Default	Default	Rollers
Tractors/loaders/backhoes	1	8	Default	Default	Tractors/loaders/backhoes

Construction Trips and Vehicle Miles Traveled[2]

		Worker		Vendor		Haul	
Phase Name	**# Workers**	**# Trips**	**VMT/Trip**	**# Trips**	**VMT/Trip**	**# Trucks**	**VMT/Trip**
EM-25, FC & Disinfection Facility							
Site Preparation	4	10	default	0	default	0	default
Excavation/Mass Site Grading	4	10	default	0	default	0	default
Foundation	4	10	default	0	default	0	default
Facility Installation	4	10	default	2	default	0	default
Startup	5	13	default	0	default	0	default
Testing	5	13	default	0	default	0	default
Pipe Installation							
Demolition	7	8	default	0	default	169	default
Excavation/trenching	6	8	default	0	default	1,562	default
Paving	3	8	default	2.00	default	0	default

Note:

1 All trips indicated in this table are one-way trips

2 Worker and Vendor trips are number of one-way trips per day. Haul trips are total number of one-way trips associated with the phase

3 Workers for pipe installation include 4 extra daily workers for traffic control. In general number of workers is determined by the pieces of equipment operating. Worker trips is determined by the pieces of equipment operating times a trip rate of 2.5 trips per person (assumes some offsite travel for lunch etc.)

Operational

Mobile source emissions

Are there new employees to conduct the weekly maintenance?
What is the anticipated travel distance for the weekly maintenance?
Delivery trucks — 5 deliveries per month. Will assume a max of 2 per day for "worst case" day

Maintenance would require 2, 1/2-ton pick-up trucks per week. 2 round trips, 4 one-way trips.
Trips are calculated from the Existing Hemet Water Filtration Plant which is approximately 2.5 miles one way from the furthest Proposed Chlorination/FCF Facility.

2.5	one way - Worker/Maintenance
10	miles round trip per week
520	miles round trip per year - Worker/Maintenance
16.6	one way trip - deliveries
166	miles round trip per month
1,992	miles round trip per year - Deliveries
2,512	Total Annual Miles
0.0692	miles per square foot (CalEEMod Entry)
21%	% C-C Trip
79%	% C-W Trip

Area source emissions

Defaults used — Except architectural coating and paving which would be non-existent

Energy Use

Electricity:

20000	kw-hr annually - EM-25 turnout: lighting, motorized valve actuator, ultrasonic flow meter
20000	kw-hr annually - EM-25 FCF: Lighting, valves actuator, injection pumps, analyzer
295,000	kw-hr annually - Commonwealth Booster Pump Station, 3 pumps and 1 -standby
20,000	kw-hr annually - Devil Canyon Metering: Lighting, motorized valve actuators, ultrasonic flow meter
355,000	Total annual kw-hrs. used.
34.67	kWh/sqft/year

0	kBTU/year	Natural Gas

Water and Wastewater

0	g/year	indoor usage
0	g/year	outdoor usage (is there any water use for landscaping or associated with the maintenance?

16 inch drain line and pump well - pumped to existing storm drain not to sewer, no energy consumption from water disposal.

Solid Waste

0	tons/year	generated by maintenance activities

Unmitigated GHG Emissions Summary

EMWD San Jacinto Valley Raw Water Conveyance Facilities
Unmitigated GHG Emissions - Summary

CalEEMod 2016.3.2
Title: EMWD SJVRWC Date: 3/28/2019

Unmitigated Construction Emissions - Max Annual

	MT CO_2e				
	Onsite	**Hauling**	**Vendor**	**Worker**	**Total**
Faility - Site Prep	*3.38*	*0.00*	0.00	*0.14*	*4*
Facility- Excavation and Mass Grading	*5.63*	*0.00*	0.00	*0.24*	*6*
Facility - Foundation	*3.16*	*0.00*	0.00	*0.48*	*4*
Facility - Installation	*142.54*	*0.00*	6.48	*12.40*	
(2020)	*31.68*	*0.00*	*1.44*	*2.76*	*197*
Facility - Start-up	*0.28*	*0.00*	0.00	*0.06*	*0.3*
Facility - Testing	*3.96*	*0.00*	0.00	*0.86*	*5*
Pipeline - Demolition	*231.27*	*6.15*	0.00	*9.88*	
(2020)	*1.78*	*0.05*	*0.00*	*0.08*	*249*
Pipeline -Excavation	*197.05*	*56.65*	*0.00*	*9.84*	
(2020)	*2.28*	*0.66*	*0.00*	*0.11*	*267*
Pipeline - Paving	*121.81*	*0.00*	*6.40*	*9.81*	
(2020)	*1.89*	*0.00*	*0.10*	*0.15*	*140*
Project Total					***871***
Amortized Construction					***29***

Note: Construction length for Facility Installation and pipeline construction extend into 2020. However 2020 emission factors change from the 2019 fleet. Therefore, in order to maintain a conservative estimation, the 2019 emissions were scaled to cover the number of days of operation in 2020. For Facility installation that would be 68 of the 329 total construction days, for Pipeline demolition, excavation, and paving it would be 2, 3, and 4 days of the 262 total construction days respectively.

Unmitigated Operational Emissions - Max Annual

	Unmit
Area	*0*
Energy	*67*
Mobile	*1*
Waste	*0*
Water	*0*
Total Operational:	68
Amortized Construction:	29
Total Project:	97

CalEEMod Output

EMWD SJVRWC - Riverside-South Coast County, Annual

EMWD SJVRWC

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	10.24	1000sqft	1.40	10,240.00	0
Other Asphalt Surfaces	11.00	Acre	11.00	479,160.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	411.63	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - See assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Trips and VMT - See Assumptions

Demolition - See Assumptions

Grading - See Assumptions

Vehicle Trips - See Assumptions

Area Coating -

Energy Use - see assumptions

Water And Wastewater - see assumptions

Solid Waste - see assumptions

Construction Off-road Equipment Mitigation - See Assumptions

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
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
tblConstructionPhase	NumDays	300.00	10.00
tblConstructionPhase	NumDays	300.00	319.00
tblConstructionPhase	NumDays	300.00	1.00
tblConstructionPhase	NumDays	300.00	14.00
tblConstructionPhase	NumDays	20.00	262.00
tblConstructionPhase	NumDays	30.00	5.00
tblConstructionPhase	NumDays	30.00	262.00
tblConstructionPhase	NumDays	20.00	262.00
tblConstructionPhase	NumDays	10.00	3.00
tblEnergyUse	LightingElect	2.93	0.00
tblEnergyUse	NT24E	5.02	34.67
tblEnergyUse	NT24NG	17.13	0.00
tblEnergyUse	T24E	2.20	0.00
tblEnergyUse	T24NG	15.36	0.00
tblGrading	AcresOfGrading	2.50	12.50
tblGrading	AcresOfGrading	0.00	66.00
tblGrading	AcresOfGrading	1.50	0.00
tblGrading	MaterialExported	0.00	12,500.00
tblLandUse	LotAcreage	0.24	1.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	411.63
tblSolidWaste	SolidWasteGenerationRate	12.70	0.00
tblTripsAndVMT	HaulingTripNumber	1,563.00	1,562.00
tblTripsAndVMT	VendorTripNumber	80.00	0.00
tblTripsAndVMT	VendorTripNumber	80.00	2.00
tblTripsAndVMT	VendorTripNumber	80.00	0.00
tblTripsAndVMT	VendorTripNumber	80.00	0.00

tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	206.00	10.00
tblTripsAndVMT	WorkerTripNumber	206.00	10.00
tblTripsAndVMT	WorkerTripNumber	206.00	13.00
tblTripsAndVMT	WorkerTripNumber	206.00	13.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	2.50
tblVehicleTrips	CNW_TTP	13.00	21.00
tblVehicleTrips	CW_TTP	59.00	79.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.07
tblWater	IndoorWaterUseRate	2,368,000.00	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					
2019	0.7503	7.1463	5.0421	9.2300e-003	0.9334	0.3756	1.3090	0.4678	0.3513	0.8191	0.0000	823.7622	823.7622	0.1888	0.0000	828.4829
2020	0.0359	0.2907	0.2905	4.9000e-004	0.0602	0.0167	0.0769	0.0127	0.0160	0.0287	0.0000	42.3108	42.3108	7.0000e-003	0.0000	42.4858

Maximum	**0.7503**	**7.1463**	**5.0421**	**9.2300e-003**	**0.9334**	**0.3756**	**1.3090**	**0.4678**	**0.3513**	**0.8191**	**0.0000**	**823.7622**	**823.7622**	**0.1888**	**0.0000**	**828.4829**

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					
2019	0.1735	0.8679	5.2716	9.2300e-003	0.3891	0.0240	0.4131	0.1849	0.0239	0.2088	0.0000	823.7614	823.7614	0.1888	0.0000	828.4820
2020	0.0136	0.0623	0.3045	4.9000e-004	0.0319	2.5200e-003	0.0344	7.1300e-003	2.5100e-003	9.6400e-003	0.0000	42.3107	42.3107	7.0000e-003	0.0000	42.4857
Maximum	**0.1735**	**0.8679**	**5.2716**	**9.2300e-003**	**0.3891**	**0.0240**	**0.4131**	**0.1849**	**0.0239**	**0.2088**	**0.0000**	**823.7614**	**823.7614**	**0.1888**	**0.0000**	**828.4820**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**76.20**	**87.49**	**-4.57**	**0.00**	**57.63**	**93.24**	**67.71**	**60.03**	**92.82**	**74.24**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-8-2019**	**4-7-2019**	1.9439	0.2542
2	**4-8-2019**	**7-7-2019**	1.9352	0.2520
3	**7-8-2019**	**10-7-2019**	1.9565	0.2548
4	**10-8-2019**	**1-7-2020**	1.8820	0.2479
5	**1-8-2020**	**4-7-2020**	0.2365	0.0614
		Highest	1.9565	0.2548

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	0.0680	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.3000e-004	5.3000e-004	0.0000	0.0000	5.6000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	66.2867	66.2867	4.6700e-003	9.7000e-004	66.6914
Mobile	1.7000e-004	1.5400e-003	2.5300e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.8000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	1.1142	1.1142	5.0000e-005	0.0000	1.1154
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0682**	**1.5400e-003**	**2.8000e-003**	**1.0000e-005**	**9.7000e-004**	**1.0000e-005**	**9.8000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**67.4015**	**67.4015**	**4.7200e-003**	**9.7000e-004**	**67.8074**

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	0.0680	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.3000e-004	5.3000e-004	0.0000	0.0000	5.6000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	66.2867	66.2867	4.6700e-003	9.7000e-004	66.6914
Mobile	1.7000e-004	1.5400e-003	2.5300e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.8000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	1.1142	1.1142	5.0000e-005	0.0000	1.1154
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0682**	**1.5400e-003**	**2.8000e-003**	**1.0000e-005**	**9.7000e-004**	**1.0000e-005**	**9.8000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**67.4015**	**67.4015**	**4.7200e-003**	**9.7000e-004**	**67.8074**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	Facility - Site Preparation	Site Preparation	1/1/2019	1/3/2019	5	3	
2	Facility - Excavation/Grading	Grading	1/1/2019	1/7/2019	5	5	
3	Facility - Foundation	Building Construction	1/1/2019	1/14/2019	5	10	
4	Facility - Installation	Building Construction	1/1/2019	3/20/2020	5	319	
5	Facility - Startup	Building Construction	1/1/2019	1/1/2019	5	1	
6	Facility - Testing	Building Construction	1/1/2019	1/18/2019	5	14	
7	Pipeline - Demolition	Demolition	1/2/2019	1/2/2020	5	262	
8	Pipeline - Excavation	Grading	1/3/2019	1/3/2020	5	262	
9	Pipeline - Paving	Paving	1/4/2019	1/6/2020	5	262	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 11

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Facility - Site Preparation	Graders	1	8.00	187	0.41
Facility - Site Preparation	Off-Highway Trucks	1	4.00	402	0.38
Facility - Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Facility - Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Facility - Excavation/Grading	Excavators	0	8.00	158	0.38
Facility - Excavation/Grading	Graders	1	8.00	187	0.41
Facility - Excavation/Grading	Off-Highway Trucks	1	4.00	402	0.38
Facility - Excavation/Grading	Rubber Tired Dozers	1	8.00	247	0.40
Facility - Excavation/Grading	Scrapers	0	8.00	367	0.48
Facility - Excavation/Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Facility - Foundation	Cement and Mortar Mixers	1	6.00	9	0.56
Facility - Foundation	Cranes	0	7.00	231	0.29
Facility - Foundation	Forklifts	0	8.00	89	0.20
Facility - Foundation	Generator Sets	1	8.00	84	0.74
Facility - Foundation	Plate Compactors	1	8.00	8	0.43
Facility - Foundation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Facility - Foundation	Welders	0	8.00	46	0.45
Facility - Installation	Cranes	0	7.00	231	0.29
Facility - Installation	Forklifts	1	8.00	89	0.20
Facility - Installation	Generator Sets	1	8.00	84	0.74
Facility - Installation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Facility - Installation	Welders	1	6.00	46	0.45
Facility - Startup	Cranes	0	7.00	231	0.29
Facility - Startup	Forklifts	0	8.00	89	0.20
Facility - Startup	Generator Sets	1	8.00	84	0.74
Facility - Startup	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Facility - Startup	Welders	0	8.00	46	0.45
Facility - Testing	Cranes	0	7.00	231	0.29
Facility - Testing	Forklifts	0	8.00	89	0.20
Facility - Testing	Generator Sets	1	8.00	84	0.74
Facility - Testing	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Facility - Testing	Welders	0	8.00	46	0.45
Pipeline - Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Pipeline - Demolition	Excavators	1	8.00	158	0.38
Pipeline - Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Pipeline - Excavation	Excavators	1	8.00	158	0.38
Pipeline - Excavation	Graders	0	8.00	187	0.41
Pipeline - Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Pipeline - Excavation	Scrapers	0	8.00	367	0.48
Pipeline - Excavation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Pipeline - Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Pipeline - Paving	Pavers	1	8.00	130	0.42
Pipeline - Paving	Paving Equipment	0	8.00	132	0.36
Pipeline - Paving	Rollers	1	8.00	80	0.38
Pipeline - Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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
Facility - Site Preparation	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Facility - Excavation/Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Facility - Foundation	3	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Facility - Installation	4	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Facility - Startup	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Facility - Testing	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pipeline - Demolition	3	8.00	0.00	169.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pipeline - Excavation	3	8.00	0.00	1,562.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pipeline - Paving	3	8.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Facility - Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					9.0300e-003	0.0000	9.0300e-003	4.9700e-003	0.0000	4.9700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3100e-003	0.0369	0.0156	4.0000e-005		1.6300e-003	1.6300e-003		1.5000e-003	1.5000e-003	0.0000	3.3536	3.3536	1.0600e-003	0.0000	3.3801
Total	**3.3100e-003**	**0.0369**	**0.0156**	**4.0000e-005**	**9.0300e-003**	**1.6300e-003**	**0.0107**	**4.9700e-003**	**1.5000e-003**	**6.4700e-003**	**0.0000**	**3.3536**	**3.3536**	**1.0600e-003**	**0.0000**	**3.3801**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.0000e-005	5.0000e-005	5.7000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1424	0.1424	0.0000	0.0000	0.1425
Total	**7.0000e-005**	**5.0000e-005**	**5.7000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1424**	**0.1424**	**0.0000**	**0.0000**	**0.1425**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.3500e-003	0.0000	3.3500e-003	1.8400e-003	0.0000	1.8400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	8.7000e-004	6.8500e-003	0.0167	4.0000e-005		2.4000e-004	2.4000e-004		2.3000e-004	2.3000e-004	0.0000	3.3536	3.3536	1.0600e-003	0.0000	3.3801
Total	**8.7000e-004**	**6.8500e-003**	**0.0167**	**4.0000e-005**	**3.3500e-003**	**2.4000e-004**	**3.5900e-003**	**1.8400e-003**	**2.3000e-004**	**2.0700e-003**	**0.0000**	**3.3536**	**3.3536**	**1.0600e-003**	**0.0000**	**3.3801**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.0000e-005	5.0000e-005	5.7000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1424	0.1424	0.0000	0.0000	0.1425
Total	**7.0000e-005**	**5.0000e-005**	**5.7000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1424**	**0.1424**	**0.0000**	**0.0000**	**0.1425**

3.3 Facility - Excavation/Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0217	0.0000	0.0217	8.9900e-003	0.0000	8.9900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5200e-003	0.0615	0.0261	6.0000e-005		2.7200e-003	2.7200e-003		2.5000e-003	2.5000e-003	0.0000	5.5893	5.5893	1.7700e-003	0.0000	5.6335
Total	**5.5200e-003**	**0.0615**	**0.0261**	**6.0000e-005**	**0.0217**	**2.7200e-003**	**0.0244**	**8.9900e-003**	**2.5000e-003**	**0.0115**	**0.0000**	**5.5893**	**5.5893**	**1.7700e-003**	**0.0000**	**5.6335**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.2000e-004	9.0000e-005	9.5000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2374	0.2374	1.0000e-005	0.0000	0.2376
Total	**1.2000e-004**	**9.0000e-005**	**9.5000e-004**	**0.0000**	**2.7000e-004**	**0.0000**	**2.8000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.2374**	**0.2374**	**1.0000e-005**	**0.0000**	**0.2376**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					8.0300e-003	0.0000	8.0300e-003	3.3300e-003	0.0000	3.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4500e-003	0.0114	0.0279	6.0000e-005		4.0000e-004	4.0000e-004		3.8000e-004	3.8000e-004	0.0000	5.5893	5.5893	1.7700e-003	0.0000	5.6335
Total	**1.4500e-003**	**0.0114**	**0.0279**	**6.0000e-005**	**8.0300e-003**	**4.0000e-004**	**8.4300e-003**	**3.3300e-003**	**3.8000e-004**	**3.7100e-003**	**0.0000**	**5.5893**	**5.5893**	**1.7700e-003**	**0.0000**	**5.6335**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.2000e-004	9.0000e-005	9.5000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2374	0.2374	1.0000e-005	0.0000	0.2376
Total	**1.2000e-004**	**9.0000e-005**	**9.5000e-004**	**0.0000**	**2.7000e-004**	**0.0000**	**2.8000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.2374**	**0.2374**	**1.0000e-005**	**0.0000**	**0.2376**

3.4 Facility - Foundation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.6400e-003	0.0215	0.0208	4.0000e-005		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	3.1543	3.1543	2.1000e-004	0.0000	3.1596
Total	**2.6400e-003**	**0.0215**	**0.0208**	**4.0000e-005**		**1.2300e-003**	**1.2300e-003**		**1.2300e-003**	**1.2300e-003**	**0.0000**	**3.1543**	**3.1543**	**2.1000e-004**	**0.0000**	**3.1596**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.5000e-004	1.8000e-004	1.9000e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4748	0.4748	1.0000e-005	0.0000	0.4751
Total	**2.5000e-004**	**1.8000e-004**	**1.9000e-003**	**1.0000e-005**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4748**	**0.4748**	**1.0000e-005**	**0.0000**	**0.4751**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.5000e-004	4.0600e-003	0.0225	4.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	3.1543	3.1543	2.1000e-004	0.0000	3.1596
Total	**7.5000e-004**	**4.0600e-003**	**0.0225**	**4.0000e-005**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**	**0.0000**	**3.1543**	**3.1543**	**2.1000e-004**	**0.0000**	**3.1596**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.5000e-004	1.8000e-004	1.9000e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4748	0.4748	1.0000e-005	0.0000	0.4751
Total	**2.5000e-004**	**1.8000e-004**	**1.9000e-003**	**1.0000e-005**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4748**	**0.4748**	**1.0000e-005**	**0.0000**	**0.4751**

3.5 Facility - Installation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1431	1.1053	1.0815	1.6600e-003		0.0715	0.0715		0.0689	0.0689	0.0000	141.9541	141.9541	0.0235	0.0000	142.5416
Total	**0.1431**	**1.1053**	**1.0815**	**1.6600e-003**		**0.0715**	**0.0715**		**0.0689**	**0.0689**	**0.0000**	**141.9541**	**141.9541**	**0.0235**	**0.0000**	**142.5416**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.8000e-004	0.0301	6.0000e-003	7.0000e-005	1.6500e-003	2.3000e-004	1.8800e-003	4.8000e-004	2.2000e-004	6.9000e-004	0.0000	6.4628	6.4628	5.5000e-004	0.0000	6.4765
Worker	6.4800e-003	4.7200e-003	0.0495	1.4000e-004	0.0143	9.0000e-005	0.0144	3.8100e-003	8.0000e-005	3.8900e-003	0.0000	12.3924	12.3924	3.4000e-004	0.0000	12.4009
Total	**7.3600e-003**	**0.0348**	**0.0555**	**2.1000e-004**	**0.0160**	**3.2000e-004**	**0.0163**	**4.2900e-003**	**3.0000e-004**	**4.5800e-003**	**0.0000**	**18.8552**	**18.8552**	**8.9000e-004**	**0.0000**	**18.8774**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0531	0.2256	1.1253	1.6600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	141.9540	141.9540	0.0235	0.0000	142.5415

Total	**0.0531**	**0.2256**	**1.1253**	**1.6600e-003**		**0.0118**	**0.0118**		**0.0118**	**0.0118**	**0.0000**	**141.9540**	**141.9540**	**0.0235**	**0.0000**	**142.5415**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.8000e-004	0.0301	6.0000e-003	7.0000e-005	1.6500e-003	2.3000e-004	1.8800e-003	4.8000e-004	2.2000e-004	6.9000e-004	0.0000	6.4628	6.4628	5.5000e-004	0.0000	6.4765
Worker	6.4800e-003	4.7200e-003	0.0495	1.4000e-004	0.0143	9.0000e-005	0.0144	3.8100e-003	8.0000e-005	3.8900e-003	0.0000	12.3924	12.3924	3.4000e-004	0.0000	12.4009
Total	**7.3600e-003**	**0.0348**	**0.0555**	**2.1000e-004**	**0.0160**	**3.2000e-004**	**0.0163**	**4.2900e-003**	**3.0000e-004**	**4.5800e-003**	**0.0000**	**18.8552**	**18.8552**	**8.9000e-004**	**0.0000**	**18.8774**

3.5 Facility - Installation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0285	0.2261	0.2380	3.7000e-004		0.0138	0.0138		0.0133	0.0133	0.0000	31.3029	31.3029	5.0300e-003	0.0000	31.4286
Total	**0.0285**	**0.2261**	**0.2380**	**3.7000e-004**		**0.0138**	**0.0138**		**0.0133**	**0.0133**	**0.0000**	**31.3029**	**31.3029**	**5.0300e-003**	**0.0000**	**31.4286**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.6000e-004	6.0300e-003	1.1800e-003	1.0000e-005	3.7000e-004	3.0000e-005	4.0000e-004	1.1000e-004	3.0000e-005	1.4000e-004	0.0000	1.4262	1.4262	1.1000e-004	0.0000	1.4290
Worker	1.3300e-003	9.3000e-004	9.9700e-003	3.0000e-005	3.1900e-003	2.0000e-005	3.2100e-003	8.5000e-004	2.0000e-005	8.6000e-004	0.0000	2.6668	2.6668	7.0000e-005	0.0000	2.6685
Total	**1.4900e-003**	**6.9600e-003**	**0.0112**	**4.0000e-005**	**3.5600e-003**	**5.0000e-005**	**3.6100e-003**	**9.6000e-004**	**5.0000e-005**	**1.0000e-003**	**0.0000**	**4.0930**	**4.0930**	**1.8000e-004**	**0.0000**	**4.0975**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0109	0.0490	0.2492	3.7000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	31.3029	31.3029	5.0300e-003	0.0000	31.4285
Total	**0.0109**	**0.0490**	**0.2492**	**3.7000e-004**		**2.3500e-003**	**2.3500e-003**		**2.3500e-003**	**2.3500e-003**	**0.0000**	**31.3029**	**31.3029**	**5.0300e-003**	**0.0000**	**31.4285**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.6000e-004	6.0300e-003	1.1800e-003	1.0000e-005	3.7000e-004	3.0000e-005	4.0000e-004	1.1000e-004	3.0000e-005	1.4000e-004	0.0000	1.4262	1.4262	1.1000e-004	0.0000	1.4290
Worker	1.3300e-003	9.3000e-004	9.9700e-003	3.0000e-005	3.1900e-003	2.0000e-005	3.2100e-003	8.5000e-004	2.0000e-005	8.6000e-004	0.0000	2.6668	2.6668	7.0000e-005	0.0000	2.6685
Total	**1.4900e-003**	**6.9600e-003**	**0.0112**	**4.0000e-005**	**3.5600e-003**	**5.0000e-005**	**3.6100e-003**	**9.6000e-004**	**5.0000e-005**	**1.0000e-003**	**0.0000**	**4.0930**	**4.0930**	**1.8000e-004**	**0.0000**	**4.0975**

3.6 Facility - Startup - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.2000e-004	1.8900e-003	1.8600e-003	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.2826	0.2826	2.0000e-005	0.0000	0.2831
Total	**2.2000e-004**	**1.8900e-003**	**1.8600e-003**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**	**0.0000**	**0.2826**	**0.2826**	**2.0000e-005**	**0.0000**	**0.2831**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0000e-005	2.5000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0617	0.0617	0.0000	0.0000	0.0618
Total	**3.0000e-005**	**2.0000e-005**	**2.5000e-004**	**0.0000**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0617**	**0.0617**	**0.0000**	**0.0000**	**0.0618**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.0000e-005	1.4000e-004	2.0300e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.2826	0.2826	2.0000e-005	0.0000	0.2831
Total	**3.0000e-005**	**1.4000e-004**	**2.0300e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.2826**	**0.2826**	**2.0000e-005**	**0.0000**	**0.2831**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0000e-005	2.5000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0617	0.0617	0.0000	0.0000	0.0618
Total	**3.0000e-005**	**2.0000e-005**	**2.5000e-004**	**0.0000**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0617**	**0.0617**	**0.0000**	**0.0000**	**0.0618**

3.7 Facility - Testing - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.1100e-003	0.0265	0.0261	5.0000e-005		1.5800e-003	1.5800e-003		1.5800e-003	1.5800e-003	0.0000	3.9565	3.9565	2.5000e-004	0.0000	3.9627
Total	**3.1100e-003**	**0.0265**	**0.0261**	**5.0000e-005**		**1.5800e-003**	**1.5800e-003**		**1.5800e-003**	**1.5800e-003**	**0.0000**	**3.9565**	**3.9565**	**2.5000e-004**	**0.0000**	**3.9627**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.3000e-004	3.4500e-003	1.0000e-005	1.0000e-003	1.0000e-005	1.0100e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8641	0.8641	2.0000e-005	0.0000	0.8647
Total	**4.5000e-004**	**3.3000e-004**	**3.4500e-003**	**1.0000e-005**	**1.0000e-003**	**1.0000e-005**	**1.0100e-003**	**2.7000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.8641**	**0.8641**	**2.0000e-005**	**0.0000**	**0.8647**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.6000e-004	2.0000e-003	0.0284	5.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.9565	3.9565	2.5000e-004	0.0000	3.9627

Total	**4.6000e-004**	**2.0000e-003**	**0.0284**	**5.0000e-005**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**3.9565**	**3.9565**	**2.5000e-004**	**0.0000**	**3.9627**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.3000e-004	3.4500e-003	1.0000e-005	1.0000e-003	1.0000e-005	1.0100e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8641	0.8641	2.0000e-005	0.0000	0.8647
Total	**4.5000e-004**	**3.3000e-004**	**3.4500e-003**	**1.0000e-005**	**1.0000e-003**	**1.0000e-005**	**1.0100e-003**	**2.7000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.8641**	**0.8641**	**2.0000e-005**	**0.0000**	**0.8647**

3.8 Pipeline - Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0183	0.0000	0.0183	2.7700e-003	0.0000	2.7700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2415	2.3848	1.4624	2.5900e-003		0.1232	0.1232		0.1157	0.1157	0.0000	229.8793	229.8793	0.0555	0.0000	231.2677
Total	**0.2415**	**2.3848**	**1.4624**	**2.5900e-003**	**0.0183**	**0.1232**	**0.1415**	**2.7700e-003**	**0.1157**	**0.1185**	**0.0000**	**229.8793**	**229.8793**	**0.0555**	**0.0000**	**231.2677**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.8000e-004	0.0220	2.7700e-003	6.0000e-005	1.4500e-003	8.0000e-005	1.5300e-003	4.0000e-004	7.0000e-005	4.7000e-004	0.0000	6.1428	6.1428	4.0000e-004	0.0000	6.1528
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1700e-003	3.7600e-003	0.0395	1.1000e-004	0.0114	7.0000e-005	0.0115	3.0400e-003	7.0000e-005	3.1000e-003	0.0000	9.8759	9.8759	2.7000e-004	0.0000	9.8827
Total	**5.6500e-003**	**0.0257**	**0.0422**	**1.7000e-004**	**0.0129**	**1.5000e-004**	**0.0130**	**3.4400e-003**	**1.4000e-004**	**3.5700e-003**	**0.0000**	**16.0187**	**16.0187**	**6.7000e-004**	**0.0000**	**16.0355**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.7800e-003	0.0000	6.7800e-003	1.0300e-003	0.0000	1.0300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0300	0.1299	1.5093	2.5900e-003		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003	0.0000	229.8790	229.8790	0.0555	0.0000	231.2675
Total	**0.0300**	**0.1299**	**1.5093**	**2.5900e-003**	**6.7800e-003**	**4.0000e-003**	**0.0108**	**1.0300e-003**	**4.0000e-003**	**5.0300e-003**	**0.0000**	**229.8790**	**229.8790**	**0.0555**	**0.0000**	**231.2675**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.8000e-004	0.0220	2.7700e-003	6.0000e-005	1.4500e-003	8.0000e-005	1.5300e-003	4.0000e-004	7.0000e-005	4.7000e-004	0.0000	6.1428	6.1428	4.0000e-004	0.0000	6.1528
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1700e-003	3.7600e-003	0.0395	1.1000e-004	0.0114	7.0000e-005	0.0115	3.0400e-003	7.0000e-005	3.1000e-003	0.0000	9.8759	9.8759	2.7000e-004	0.0000	9.8827
Total	**5.6500e-003**	**0.0257**	**0.0422**	**1.7000e-004**	**0.0129**	**1.5000e-004**	**0.0130**	**3.4400e-003**	**1.4000e-004**	**3.5700e-003**	**0.0000**	**16.0187**	**16.0187**	**6.7000e-004**	**0.0000**	**16.0355**

3.8 Pipeline - Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.4000e-004	0.0000	1.4000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7400e-003	0.0170	0.0111	2.0000e-005		8.7000e-004	8.7000e-004		8.2000e-004	8.2000e-004	0.0000	1.7419	1.7419	4.2000e-004	0.0000	1.7525
Total	**1.7400e-003**	**0.0170**	**0.0111**	**2.0000e-005**	**1.4000e-004**	**8.7000e-004**	**1.0100e-003**	**2.0000e-005**	**8.2000e-004**	**8.4000e-004**	**0.0000**	**1.7419**	**1.7419**	**4.2000e-004**	**0.0000**	**1.7525**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.6000e-004	2.0000e-005	0.0000	1.1000e-003	0.0000	1.1000e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	0.0468	0.0468	0.0000	0.0000	0.0468
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	3.0000e-005	2.8000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0736	0.0736	0.0000	0.0000	0.0736
Total	**4.0000e-005**	**1.9000e-004**	**3.0000e-004**	**0.0000**	**1.1900e-003**	**0.0000**	**1.1900e-003**	**2.9000e-004**	**0.0000**	**2.9000e-004**	**0.0000**	**0.1203**	**0.1203**	**0.0000**	**0.0000**	**0.1205**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3000e-004	1.0000e-003	0.0116	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.7419	1.7419	4.2000e-004	0.0000	1.7525
Total	**2.3000e-004**	**1.0000e-003**	**0.0116**	**2.0000e-005**	**5.0000e-005**	**3.0000e-005**	**8.0000e-005**	**1.0000e-005**	**3.0000e-005**	**4.0000e-005**	**0.0000**	**1.7419**	**1.7419**	**4.2000e-004**	**0.0000**	**1.7525**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.6000e-004	2.0000e-005	0.0000	1.1000e-003	0.0000	1.1000e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	0.0468	0.0468	0.0000	0.0000	0.0468
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	3.0000e-005	2.8000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0736	0.0736	0.0000	0.0000	0.0736
Total	**4.0000e-005**	**1.9000e-004**	**3.0000e-004**	**0.0000**	**1.1900e-003**	**0.0000**	**1.1900e-003**	**2.9000e-004**	**0.0000**	**2.9000e-004**	**0.0000**	**0.1203**	**0.1203**	**0.0000**	**0.0000**	**0.1205**

3.9 Pipeline - Excavation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.8157	0.0000	0.8157	0.4326	0.0000	0.4326	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2108	2.2136	1.2756	2.1700e-003		0.1132	0.1132		0.1041	0.1041	0.0000	195.4987	195.4987	0.0619	0.0000	197.0450
Total	**0.2108**	**2.2136**	**1.2756**	**2.1700e-003**	**0.8157**	**0.1132**	**0.9289**	**0.4326**	**0.1041**	**0.5367**	**0.0000**	**195.4987**	**195.4987**	**0.0619**	**0.0000**	**197.0450**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.4300e-003	0.2022	0.0255	5.9000e-004	0.0134	7.2000e-004	0.0142	3.6800e-003	6.9000e-004	4.3700e-003	0.0000	56.5567	56.5567	3.7000e-003	0.0000	56.6491
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1500e-003	3.7500e-003	0.0393	1.1000e-004	0.0114	7.0000e-005	0.0115	3.0200e-003	7.0000e-005	3.0900e-003	0.0000	9.8379	9.8379	2.7000e-004	0.0000	9.8447
Total	**9.5800e-003**	**0.2060**	**0.0648**	**7.0000e-004**	**0.0248**	**7.9000e-004**	**0.0256**	**6.7000e-003**	**7.6000e-004**	**7.4600e-003**	**0.0000**	**66.3946**	**66.3946**	**3.9700e-003**	**0.0000**	**66.4938**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3022	0.0000	0.3022	0.1603	0.0000	0.1603	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0267	0.1156	1.3071	2.1700e-003		3.5600e-003	3.5600e-003		3.5600e-003	3.5600e-003	0.0000	195.4985	195.4985	0.0619	0.0000	197.0448
Total	**0.0267**	**0.1156**	**1.3071**	**2.1700e-003**	**0.3022**	**3.5600e-003**	**0.3058**	**0.1603**	**3.5600e-003**	**0.1638**	**0.0000**	**195.4985**	**195.4985**	**0.0619**	**0.0000**	**197.0448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.4300e-003	0.2022	0.0255	5.9000e-004	0.0134	7.2000e-004	0.0142	3.6800e-003	6.9000e-004	4.3700e-003	0.0000	56.5567	56.5567	3.7000e-003	0.0000	56.6491
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1500e-003	3.7500e-003	0.0393	1.1000e-004	0.0114	7.0000e-005	0.0115	3.0200e-003	7.0000e-005	3.0900e-003	0.0000	9.8379	9.8379	2.7000e-004	0.0000	9.8447
Total	**9.5800e-003**	**0.2060**	**0.0648**	**7.0000e-004**	**0.0248**	**7.9000e-004**	**0.0256**	**6.7000e-003**	**7.6000e-004**	**7.4600e-003**	**0.0000**	**66.3946**	**66.3946**	**3.9700e-003**	**0.0000**	**66.4938**

3.9 Pipeline - Excavation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0448	0.0000	0.0448	8.8600e-003	0.0000	8.8600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3000e-003	0.0238	0.0145	3.0000e-005		1.2100e-003	1.2100e-003		1.1100e-003	1.1100e-003	0.0000	2.2157	2.2157	7.2000e-004	0.0000	2.2336
Total	**2.3000e-003**	**0.0238**	**0.0145**	**3.0000e-005**	**0.0448**	**1.2100e-003**	**0.0460**	**8.8600e-003**	**1.1100e-003**	**9.9700e-003**	**0.0000**	**2.2157**	**2.2157**	**7.2000e-004**	**0.0000**	**2.2336**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.0000e-005	2.1700e-003	2.8000e-004	1.0000e-005	0.0102	1.0000e-005	0.0102	2.5000e-003	1.0000e-005	2.5100e-003	0.0000	0.6484	0.6484	4.0000e-005	0.0000	0.6495
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-005	4.0000e-005	4.1000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1104	0.1104	0.0000	0.0000	0.1104
Total	**1.1000e-004**	**2.2100e-003**	**6.9000e-004**	**1.0000e-005**	**0.0103**	**1.0000e-005**	**0.0103**	**2.5400e-003**	**1.0000e-005**	**2.5500e-003**	**0.0000**	**0.7588**	**0.7588**	**4.0000e-005**	**0.0000**	**0.7599**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0166	0.0000	0.0166	3.2800e-003	0.0000	3.2800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1000e-004	1.3400e-003	0.0151	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.2157	2.2157	7.2000e-004	0.0000	2.2336
Total	**3.1000e-004**	**1.3400e-003**	**0.0151**	**3.0000e-005**	**0.0166**	**4.0000e-005**	**0.0167**	**3.2800e-003**	**4.0000e-005**	**3.3200e-003**	**0.0000**	**2.2157**	**2.2157**	**7.2000e-004**	**0.0000**	**2.2336**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.0000e-005	2.1700e-003	2.8000e-004	1.0000e-005	0.0102	1.0000e-005	0.0102	2.5000e-003	1.0000e-005	2.5100e-003	0.0000	0.6484	0.6484	4.0000e-005	0.0000	0.6495
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-005	4.0000e-005	4.1000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1104	0.1104	0.0000	0.0000	0.1104
Total	**1.1000e-004**	**2.2100e-003**	**6.9000e-004**	**1.0000e-005**	**0.0103**	**1.0000e-005**	**0.0103**	**2.5400e-003**	**1.0000e-005**	**2.5500e-003**	**0.0000**	**0.7588**	**0.7588**	**4.0000e-005**	**0.0000**	**0.7599**

3.10 Pipeline - Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0964	0.9937	0.9174	1.3500e-003		0.0589	0.0589		0.0542	0.0542	0.0000	120.8564	120.8564	0.0382	0.0000	121.8123
Paving	0.0142					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1106**	**0.9937**	**0.9174**	**1.3500e-003**		**0.0589**	**0.0589**		**0.0542**	**0.0542**	**0.0000**	**120.8564**	**120.8564**	**0.0382**	**0.0000**	**121.8123**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.7000e-004	0.0298	5.9300e-003	7.0000e-005	1.6300e-003	2.2000e-004	1.8500e-003	4.7000e-004	2.1000e-004	6.8000e-004	0.0000	6.3885	6.3885	5.4000e-004	0.0000	6.4021
Worker	5.1300e-003	3.7300e-003	0.0392	1.1000e-004	0.0113	7.0000e-005	0.0114	3.0100e-003	7.0000e-005	3.0800e-003	0.0000	9.8000	9.8000	2.7000e-004	0.0000	9.8067
Total	**6.0000e-003**	**0.0335**	**0.0451**	**1.8000e-004**	**0.0130**	**2.9000e-004**	**0.0133**	**3.4800e-003**	**2.8000e-004**	**3.7600e-003**	**0.0000**	**16.1885**	**16.1885**	**8.1000e-004**	**0.0000**	**16.2088**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0165	0.0715	1.0177	1.3500e-003		2.2000e-003	2.2000e-003		2.2000e-003	2.2000e-003	0.0000	120.8563	120.8563	0.0382	0.0000	121.8122
Paving	0.0142					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0307**	**0.0715**	**1.0177**	**1.3500e-003**		**2.2000e-003**	**2.2000e-003**		**2.2000e-003**	**2.2000e-003**	**0.0000**	**120.8563**	**120.8563**	**0.0382**	**0.0000**	**121.8122**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.7000e-004	0.0298	5.9300e-003	7.0000e-005	1.6300e-003	2.2000e-004	1.8500e-003	4.7000e-004	2.1000e-004	6.8000e-004	0.0000	6.3885	6.3885	5.4000e-004	0.0000	6.4021
Worker	5.1300e-003	3.7300e-003	0.0392	1.1000e-004	0.0113	7.0000e-005	0.0114	3.0100e-003	7.0000e-005	3.0800e-003	0.0000	9.8000	9.8000	2.7000e-004	0.0000	9.8067
Total	**6.0000e-003**	**0.0335**	**0.0451**	**1.8000e-004**	**0.0130**	**2.9000e-004**	**0.0133**	**3.4800e-003**	**2.8000e-004**	**3.7600e-003**	**0.0000**	**16.1885**	**16.1885**	**8.1000e-004**	**0.0000**	**16.2088**

3.10 Pipeline - Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3600e-003	0.0140	0.0141	2.0000e-005		8.0000e-004	8.0000e-004		7.4000e-004	7.4000e-004	0.0000	1.8327	1.8327	5.9000e-004	0.0000	1.8475
Paving	2.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.5800e-003**	**0.0140**	**0.0141**	**2.0000e-005**		**8.0000e-004**	**8.0000e-004**		**7.4000e-004**	**7.4000e-004**	**0.0000**	**1.8327**	**1.8327**	**5.9000e-004**	**0.0000**	**1.8475**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0000e-005	4.2000e-004	8.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0984	0.0984	1.0000e-005	0.0000	0.0986
Worker	7.0000e-005	5.0000e-005	5.5000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1471	0.1471	0.0000	0.0000	0.1472
Total	**8.0000e-005**	**4.7000e-004**	**6.3000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**2.1000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.2455**	**0.2455**	**1.0000e-005**	**0.0000**	**0.2458**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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-004	1.1100e-003	0.0158	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.8327	1.8327	5.9000e-004	0.0000	1.8475

Paving	2.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.8000e-004**	**1.1100e-003**	**0.0158**	**2.0000e-005**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**1.8327**	**1.8327**	**5.9000e-004**	**0.0000**	**1.8475**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0000e-005	4.2000e-004	8.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0984	0.0984	1.0000e-005	0.0000	0.0986
Worker	7.0000e-005	5.0000e-005	5.5000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1471	0.1471	0.0000	0.0000	0.1472
Total	**8.0000e-005**	**4.7000e-004**	**6.3000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**2.1000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.2455**	**0.2455**	**1.0000e-005**	**0.0000**	**0.2458**

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	1.7000e-004	1.5400e-003	2.5300e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.8000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	1.1142	1.1142	5.0000e-005	0.0000	1.1154
Unmitigated	1.7000e-004	1.5400e-003	2.5300e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.8000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	1.1142	1.1142	5.0000e-005	0.0000	1.1154

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.72	0.00	0.00	2,542	2,542
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.72	0.00	0.00	2,542	2,542

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
General Light Industry	16.60	0.00	2.50	79.00	0.00	21.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Other Asphalt Surfaces	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965

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	66.2867	66.2867	4.6700e-003	9.7000e-004	66.6914
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	66.2867	66.2867	4.6700e-003	9.7000e-004	66.6914
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					
General Light Industry	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
Other Asphalt Surfaces	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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 Light Industry	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
Other Asphalt Surfaces	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	355021	66.2867	4.6700e-003	9.7000e-004	66.6914
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**66.2867**	**4.6700e-003**	**9.7000e-004**	**66.6914**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	355021	66.2867	4.6700e-003	9.7000e-004	66.6914
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**66.2867**	**4.6700e-003**	**9.7000e-004**	**66.6914**

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	0.0680	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.3000e-004	5.3000e-004	0.0000	0.0000	5.6000e-004
Unmitigated	0.0680	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.3000e-004	5.3000e-004	0.0000	0.0000	5.6000e-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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0680					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.3000e-004	5.3000e-004	0.0000	0.0000	5.6000e-004
Total	**0.0680**	**0.0000**	**2.7000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**5.3000e-004**	**5.3000e-004**	**0.0000**	**0.0000**	**5.6000e-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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0680					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Landscaping	3.0000e-005	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.3000e-004	5.3000e-004	0.0000	0.0000	5.6000e-004
Total	**0.0680**	**0.0000**	**2.7000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**5.3000e-004**	**5.3000e-004**	**0.0000**	**0.0000**	**5.6000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMWD San Jacinto Valley Raw Water Conveyance Facilities
Energy Appendix

Assumptions

EMWD San Jacinto Valley Raw Water Conveyance Facilities
Assumptions

The Proposed Project involves construction of a 2.5-mile conveyance pipeline to provide increased capacity for delivery of imported raw water to the Mountain Avenue recharge sites and to EMWD's existing Integrated Recharge and Recovery Program (IRRP) ponds.

The Proposed Project consists of a connection to MWD's Inland Feeder Pipeline (referred to as the EM-25 connection), a flow control facility, disinfection facilities, and a 60-inch diameter raw water transmission pipeline to convey raw water from the connection point to EMWD's existing SJVFP near the intersection of Kirby Road and Commonwealth Avenue in the City of Hemet.

The facilities evaluated in this Initial Study / Mitigated Negative Declaration (IS/MND) tier off the San Jacinto Valley Water Banking – Enhanced Recharge and Recovery Program (ERRP) certified Program Environmental Impact Report (PEIR), 2018.

CalEEMod Inputs (Non-Default information only)

Project Location	
County	Riverside County
Air District	SCAQMD
Climate Zone	10
Operational Year	2022 (first full operational year)
Utility Provider	Southern California Edison
Source Receptor Area (SCAQMD)	28

	Base	2015[1]	2020[1]	2030
CO intensity	702.4363	531.7443	411.6277	351.2182
% renewable	0%	24.30%	41.40%	50.00%

Land Use	Building SQFT	Building KFS	(seat/ room/ space)	Acres	CalEEMod Land Use Type
Disinfection and FC facilities	10,240	10.24	-	1.4	General Light Industrial
Pipeline	-	-	-	11	Other Asphalt Surfaces

Construction

Construction Schedule

Phases / Activity	Project Schedule Start (month/date/ year)	Project Schedule Finish (month/date/ year)	Days[6]	Modeled Schedule Start (month/date/ year)	Modeled Schedule Finish (month/date/ year)	CalEEMod Source
EM-25, FC & Disinfection Facility	12/1/2019	3/31/2021	352			
Site Preparation			3	1/1/2019	1/3/2019	Site Preparation
Excavation/Mass Site Grading			5	1/1/2019	1/7/2019	Grading
Foundation			10	1/1/2019	1/14/2019	Building Construction
Facility Installation			319	1/1/2019	4/3/2020	Building Construction
Startup			1	1/1/2019	1/1/2019	Building Construction
Testing			14	1/1/2019	1/18/2019	Building Construction
Pipe Installation	5/1/2020	4/30/2021	264			
Demolition			262	1/2/2019	1/2/2020	Demolition
Excavation/trenching			262	1/3/2019	1/3/2020	Grading
Paving			262	1/4/2019	1/6/2020	Paving

Notes:

1. The project is modeled to occur December 2019 through April 2021 (17 months). While the project most likely will not begin construction until 2020, the 2019 construction fleet is a more conservative (has slightly higher emissions) than the 2020 fleet and therefore allows for flexibility in construction schedule. Additionally, as equipment would be anticipated to stay onsite throughout the duration (i.e. they will not replace the equipment onsite just because it is a new calendar year) the fleet emissions for 2019 are more appropriate for the entirety of the Project duration. Therefore all equipment is assumed to be a 2019 fleet mix.

2. Construction would occur Monday through Friday from 7 am to 4 pm
3. Nighttime work is anticipated for the installation of pipeline along Sanderson avenue and last 3 months. Nighttime work will occur in place of daytime hours not in addition to.
4. pipeline installed at 50 feet per day (12 months)
5. Facilities installed over 16 months
6. Total phase days were determined by the Project Description. Individual subphases (such as site prep and grading) are based on CalEEMod and previous project experience. Pipeline assumes 50 feet per day per activity, therefore at any given time 150 feet of pipeline could be actively under construction (demolition, excavation and pipe installation, paving).

7. While construction of the two phases will overlap, construction of the individual subphases (such as site preparation and grading) will not overlap. However as a worst case emissions estimate from onsite equipment all subphases are modeled to start in 2019.
8. Construction of the EM-25 service connection will occur over a total of 375 days (12.5 months). However, the actual construction will only occur over 352 days. The remaining time is for mobilization and administrative activities such as contracts, insurance, bonds, approvals, submittals, project close-out, etc. Therefore, the construction schedule above reflects only the time where actual construction activities would occur.

EM-25, FC & Disinfection Facility

** Equipment is identified based on CalEEMod defaults and PD

Site Preparation

Phase Type Site Preparation

Soil Import/Export

0 Cubic/yards of soil import
0 cubic/yards soil export
0 trucks

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Grader	1	8	Default	Default	Grader
Rubber Tired Dozer	1	8	Default	Default	Rubber Tired Dozer
Tractors/Loaders/Backhoes	1	8	Default	Default	Tractors/Loaders/Backhoes
Water Truck	1	4	Default	Default	Off Highway Truck

Excavation/Mass Site Grading

Phase Type Grading

Soil Import/Export

0 Cubic/yards of soil import
0 cubic/yards soil export
0 trucks

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Grader	1	8	Default	Default	Grader
Rubber Tired Dozer	1	8	Default	Default	Rubber Tired Dozer
Tractors/Loaders/Backhoes	1	8	Default	Default	Tractors/Loaders/Backhoes
Water Truck	1	4	Default	Default	Off Highway Truck

Foundation

Phase Type Building Construction

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Generator Set	1	8	Default	Default	Generator Set
Tractor/loaders/backhoes	1	8	Default	Default	Tractor/loaders/backhoes
Cement and Mortor Mixers	1	6	Default	Default	Cement and Mortor Mixers
Compactor	1	8	Default	Default	plate compactor

Facility Installation

Phase Type Building Construction

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Generator Set	1	8	Default	Default	Generator Set
Forklift	1	8	Default	Default	Forklift
Tractor/loaders/backhoes	1	7	Default	Default	Tractor/loaders/backhoes
Welders	1	6	Default	Default	Welders

Startup

Phase Type Building Construction

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Generator Set	1	8	Default	Default	Generator Set

Testing

Phase Type Building Construction

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Generator Set	1	8	Default	Default	Generator Set

Pipe Installation

** Equipment is identified based on CalEEMod defaults and PD. Equipment is based on 50 linear feet per day of disturbance per sub phase.

Demolition

Phase Type Demolition

Import/Export

1,712	Tons of roadway debris
13,200	linear feet of roadway
10	width of roadway (ft.)
132,000	sq. ft. area of disturbance
0.5	(feet - depth of asphalt
66000	cubic feet
2444.442	cubic yards (debris)
0.7	tons/cy
169	trucks (CalEEMod Default)

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Concrete/Industrial Saws	1	8	Default	Default	Concrete/Industrial Saws
Excavator	1	8	Default	Default	Excavator
Tractors/Loaders/Backhoes	1	8	Default	Default	Tractors/Loaders/Backhoes

*Water truck modeled under facility construction.

Excavation/trenching

Phase Type Grading

Soil Import/Export

0	Cubic/yards of soil import
12,500	cubic/yards soil export
1,562	trucks (CalEEMod Default)

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Rubber Tired Dozer	1	8	Default	Default	Rubber Tired Dozer
Tractors/Loaders/Backhoes	1	8	Default	Default	Tractors/Loaders/Backhoes
Excavator	1	8	Default	Default	Excavator

Paving

Phase Type Paving

11.00 acres to be paved
2.00 vendor trips per day (1 round trip) Estimate of asphalt delivery

Equipment Type	#	Hrs/day	HP	LF	CalEEMod Title
Pavers	1	8	Default	Default	Pavers
Rollers	1	8	Default	Default	Rollers
Tractors/loaders/backhoes	1	8	Default	Default	Tractors/loaders/backhoes

Construction Trips and Vehicle Miles Traveled[2]

		Worker		Vendor		Haul	
Phase Name	**# Workers**	**# Trips**	**VMT/Trip**	**# Trips**	**VMT/Trip**	**# Trucks**	**VMT/Trip**
EM-25, FC & Disinfection Facility							
Site Preparation	4	10	default	0	default	0	default
Excavation/Mass Site Grading	4	10	default	0	default	0	default
Foundation	4	10	default	0	default	0	default
Facility Installation	4	10	default	2	default	0	default
Startup	5	13	default	0	default	0	default
Testing	5	13	default	0	default	0	default
Pipe Installation							
Demolition	7	8	default	0	default	169	default
Excavation/trenching	6	8	default	0	default	1,562	default
Paving	3	8	default	2.00	default	0	default

Note:

1 All trips indicated in this table are one-way trips

2 Worker and Vendor trips are number of one-way trips per day. Haul trips are total number of one-way trips associated with the phase

3 Workers for pipe installation include 4 extra daily workers for traffic control. In general number of workers is determined by the pieces of equipment operating. Worker trips is determined by the pieces of equipment operating times a trip rate of 2.5 trips per person (assumes some offsite travel for lunch etc.)

Operational

Mobile source emissions

Are there new employees to conduct the weekly maintenance?
What is the anticipated travel distance for the weekly maintenance?
Delivery trucks — 5 deliveries per month. Will assume a max of 2 per day for "worst case" day

Maintenance would require 2, 1/2-ton pick-up trucks per week. 2 round trips, 4 one-way trips.
Trips are calculated from the Existing Hemet Water Filtration Plant which is approximately 2.5 miles one way from the furthest Proposed Chlorination/FCF Facility.

2.5	one way - Worker/Maintenance
10	miles round trip per week
520	miles round trip per year - Worker/Maintenance
16.6	one way trip - deliveries
166	miles round trip per month
1,992	miles round trip per year - Deliveries
2,512	Total Annual Miles
0.0692	miles per square foot (CalEEMod Entry)
21%	% C-C Trip
79%	% C-W Trip

Area source emissions

Defaults used — Except architectural coating and paving which would be non-existent

Energy Use

Electricity:

20000	kw-hr annually - EM-25 turnout: lighting, motorized valve actuator, ultrasonic flow meter
20000	kw-hr annually - EM-25 FCF: Lighting, valves actuator, injection pumps, analyzer
295,000	kw-hr annually - Commonwealth Booster Pump Station, 3 pumps and 1 -standby
20,000	kw-hr annually - Devil Canyon Metering: Lighting, motorized valve actuators, ultrasonic flow meter
355,000	Total annual kw-hrs. used.
34.67	kWh/sqft/year

0	kBTU/year	Natural Gas

Water and Wastewater

0	g/year	indoor usage
0	g/year	outdoor usage (is there any water use for landscaping or associated with the maintenance?

16 inch drain line and pump well - pumped to existing storm drain not to sewer, no energy consumption from water disposal.

Solid Waste

0	tons/year	generated by maintenance activities

Energy Consumption Summary and Calculations

EMWD San Jacinto Valley Raw Water Conveyance Facilities
Energy Summary

Construction Fuel Consumption Summary

	gallons	
	Diesel	**Gas**
Total	***81,404***	***5,266***
Annual Average	81,404	5,266

*Note: Mitigated and unmitigated construction emissions of CO_2 are identical

State Usage (2017)[1,2]	3,089,833,627	15,540,154,774	
Project % State	0.0026%	0.0000%	
Riverside County U	128,000,000	921,000,000	
Project % County	0.0636%	0.0006%	
Construction	Total Gallons	Annual	
Onsite Equipment	73,181	73,181	diesel
Haul Trucks	6,250	6,250	diesel
Vendor Trucks	1,419	1,419	diesel
Worker Trips	5,212	5,212	gasoline

Annual Operational Energy Consumption

	gallons		MBTU/yr[3]	GWh/yr[3]
	Diesel	**Gas**	**Natural Gas**	**Electric**
Unmitigated	9.94	114.10	0.00	0.36
% of County	*0.00001%*	*0.00001%*	0.000%	0.002%
%Utility				0.0004%

SCE[4]		84,292	GWH/yr
Riverside County[5]		15,906	GWH/yr
SoCalGas[6]	514,061,236		MBTU/year
	5,141.84		Million Therms/year
Project[7]		355,021	kWh/year
	0		MBTU/year

Assumptions

Gasoline

19.6	pounds of CO_2 per gallon of gasoline[8]
0.45	kg = 1 pound
8.89	Kg of CO_2 per gallon of Gasoline

Diesel

22.4	pounds of CO_2 per gallon of diesel fuel[8]
0.45	kg = 1 pound
10.16	Kg of CO_2 per gallon of Gasoline

Construction	diesel	Used for trucks (haul and vendor) and off-road equipment
	gasoline	worker vehicles
	*Mitigated and unmitigated emissions will be the same as vehicle use does not change.	
Operation	diesel	Majority of trucks and buses
	gasoline	remaining vehicle mix

LCFS & Pavley assumed for on-road vehicles after year 2011

Sources:

1 CEC. 2018a. Gasoline Fuel Data, Facts and Statistics. Taxable Diesel Sales in California. Available: http://www.energy.ca.gov/almanac/transportation_data/gasoline/. Accessed October 2018.

2 CEC. 2018b. Diesel Fuel Data, Facts and Statistics. Taxable Diesel Sales in California. Available: http://www.energy.ca.gov/almanac/transportation_data/diesel.html. Accessed October 2018.

3 ESA 2018 Annual CalEEMod Output

4 http://www.ecdms.energy.ca.gov/elecbyutil.aspx

5 CEC Electircal Consumption by County: http://www.ecdms.energy.ca.gov/elecbycounty.aspx

6 http://www.ecdms.energy.ca.gov/gasbyutil.aspx

7 CalEEMod Output. EMWD SJVRWC 3/28/2019 (Included in this Appendix)

8 U.S. Energy 2017: https://www.eia.gov/tools/faqs/faq.php?id=307&t=11

EMWD San Jacinto Valley Raw Water Conveyance Facilities

Fuel Conversion - Construction

	Total CO_2 MT/yr	Fuel Type	Factor $KGCO_2$/gal	Gallons	Total Diesel (gal)	Total Gas (gal)
Faility - Site Prep						
Off-road	3.38	diesel	10.16	332.67		
Haul	0.00	diesel	10.16	0.00		
Vendor	0.00	diesel	10.16	0.00		
Worker	0.14	gasoline	8.89	16.03	332.67	16.03
Facility- Excavation and Mass Grading						
Off-road	5.63	diesel	10.16	554.45		
Haul	0.00	diesel	10.16	0.00		
Vendor	0.00	diesel	10.16	0.00		
Worker	0.24	gasoline	8.89	26.73	554.45	26.73
Facility - Foundation						
Off-road	5.63	diesel	10.16	554.45		
Haul	0.00	diesel	10.16	0.00		
Vendor	0.00	diesel	10.16	0.00		
Worker	0.48	gasoline	8.89	53.44	554.45	53.44
Facility - Installation						
Off-road	174.22	diesel	10.16	17,146.60		
Haul	0.00	diesel	10.16	0.00		
Vendor	7.92	diesel	10.16	779.07		
Worker	15.16	gasoline	8.89	1,704.83	17,925.67	1,704.83
Facility - Start-up						
Off-road	0.28	diesel	10.16	27.86		
Haul	0.00	diesel	10.16	0.00		
Vendor	0.00	diesel	10.16	0.00		
Worker	0.06	gasoline	8.89	6.95	27.86	6.95
Facility - Testing						
Off-road	3.96	diesel	10.16	390.01		
Haul	0.00	diesel	10.16	0.00		
Vendor	0.00	diesel	10.16	0.00		
Worker	0.86	gasoline	8.89	97.26	390.01	97.26
Pipeline - Demolition						
Off-road	233.05	diesel	10.16	22,936.61		
Haul	6.20	diesel	10.16	610.22		
Vendor	0.00	diesel	10.16	0.00		
Worker	9.96	gasoline	8.89	1,120.16	23,546.83	1,120.16
Pipeline -Excavation						
Off-road	199.33	diesel	10.16	19,617.93		
Haul	57.31	diesel	10.16	5,640.02		
Vendor	0.00	diesel	10.16	0.00		
Worker	9.96	gasoline	8.89	1,120.17	25,257.95	1,120.17

Pipeline - Paving						
Off-road	123.70	diesel	10.16	12,174.72		
Haul	0.00	diesel	10.16	0.00		
Vendor	6.50	diesel	10.16	639.87		
Worker	9.96	gasoline	8.89	1,120.17	12,814.59	1,120.17

EMWD San Jacinto Valley Raw Water Conveyance Facilities
Fuel Conversion - Operation

Gasoline	***% Fleet mix***						
LDA	LDT1	LDT2	MDV	LHD1	LHD2	MCY	MH	Total
0.545527	0.036856	0.186032	0.115338	0.015222	0.00497	0.004547	0.000965	0.909457

Diesel	***% Fleet mix***				
MHD	HHD	OBUS	UBUS	SBUS	Total
0.017525	0.069528	0.001397	0.00116	0.000932	0.090542

	Total CO_2 MT/yr	**Factor $KGCO_2$/gal**	**Gallons**
Unmitigated			
Diesel	0.10	10.16	9.94
Gasoline	1.01	8.89	114.10
Total	1.12		

Appendix BIO

Biological Resource Reconnaissance Report for the San Jacinto Valley Raw Water Conveyance Project, Riverside County, California

San Jacinto Valley Raw Water Conveyance Facilities Project
Riverside County, California

Biological Resource Reconnaissance Report
April 2019

Prepared for
Eastern Municipal Water District

April 2019

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April 1, 2019

Alfred Javier
Eastern Municipal Water District
2270 Trumble Road
Perris, CA 92572

Subject: Biological Resource Reconnaissance Report for the San Jacinto Valley Raw Water Conveyance Facilities Project, Riverside County, California

Dear Mr. Javier:

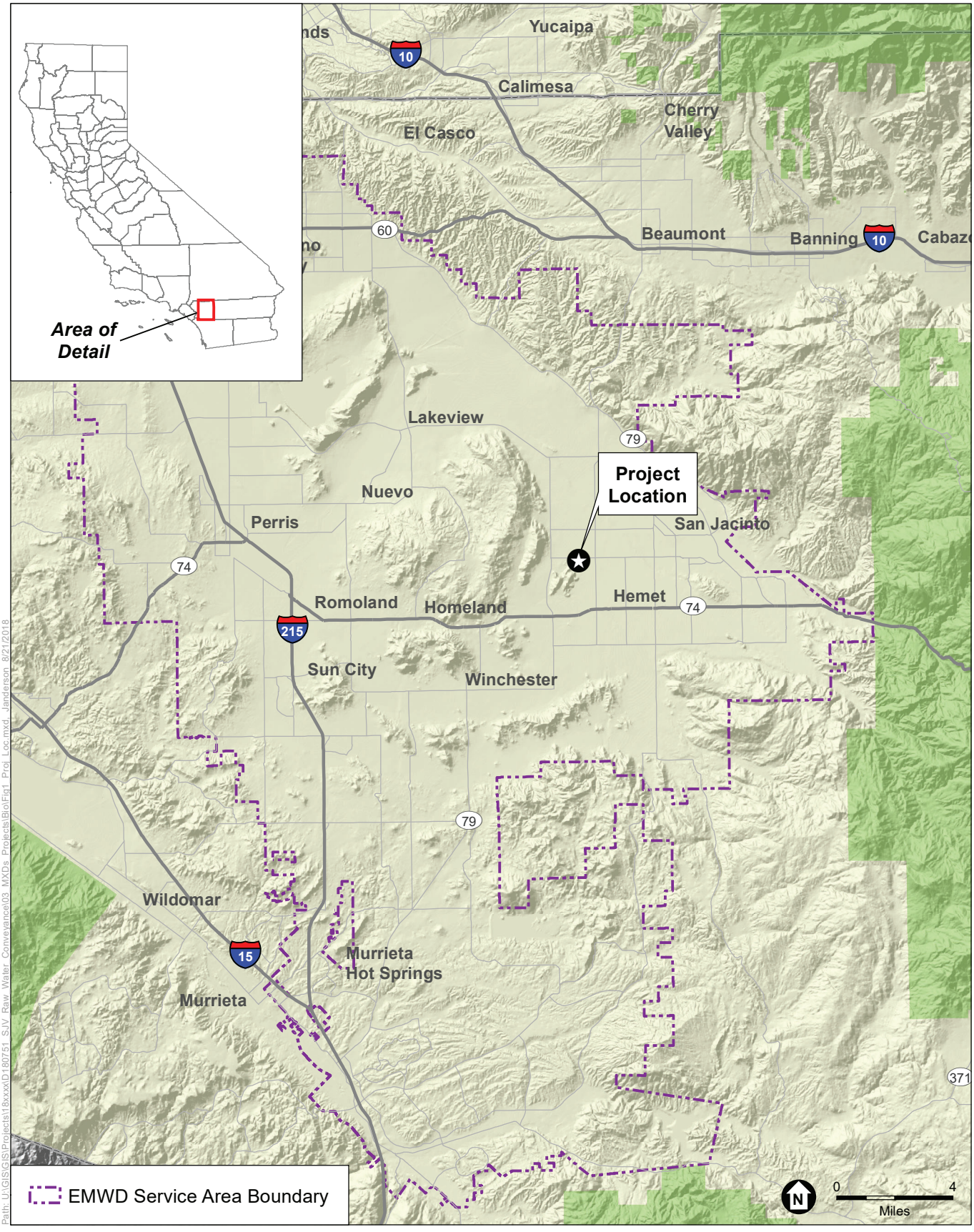
This letter report documents the findings of a biological resource reconnaissance and preconstruction survey for wildlife species and vegetation communities on the Eastern Municipal Water District's (EMWD) San Jacinto Valley Raw Water Conveyance Facilities (Proposed Project). A description of the Project, methods used during the reconnaissance, survey results, and recommendations for avoiding and minimizing impacts to biological resources during construction of the Proposed Project are described below.

Project Description

EMWD proposes to construct a 2.5-mile portion of a raw water conveyance pipeline starting near the intersection of Warren Road and Esplanade Avenue in the City of San Jacinto, extending east into the City of Hemet along Sanderson Avenue and Commonwealth Avenue and ending near the intersection of Commonwealth Avenue and Kirby Street (see **Figure 1**). The Project also encompasses the construction of a connection to Metropolitan Water District's (MWD) Inland Feeder Pipeline (referred to as the EM-25 connection), a flow control facility, and chlorination treatment facilities. These facilities will be constructed in one of three possible areas north of Esplanade Avenue near Warren Road. Two potential staging areas have been identified for the Project. Potential staging area 1 is located north of Esplanade Avenue between Warren Avenue and Lorene Lane. Potential staging area 2 is located north of Esplanade Avenue just west of the intersection of Esplanade Avenue and Sanderson Avenue. The Project also would include infrequent drainage of the proposed pipeline reach. This would involve discharge of up to 2 million gallons of water that would be drained from the raw water conveyance pipeline and pumped to either: the nearest storm drainage facility along Esplanade Avenue and/or Warren Road, the adjacent San Diego Canal, or to the EMWD sewer system.

Methods

The biological resource reconnaissance was conducted by Environmental Science Associates (ESA) biologist Ryan Villanueva on August 8, 2018. The reconnaissance consisted of mapping the vegetation communities and land uses that would be impacted by the Project (see **Figure 2**) and noting the dominant species that comprise the communities.

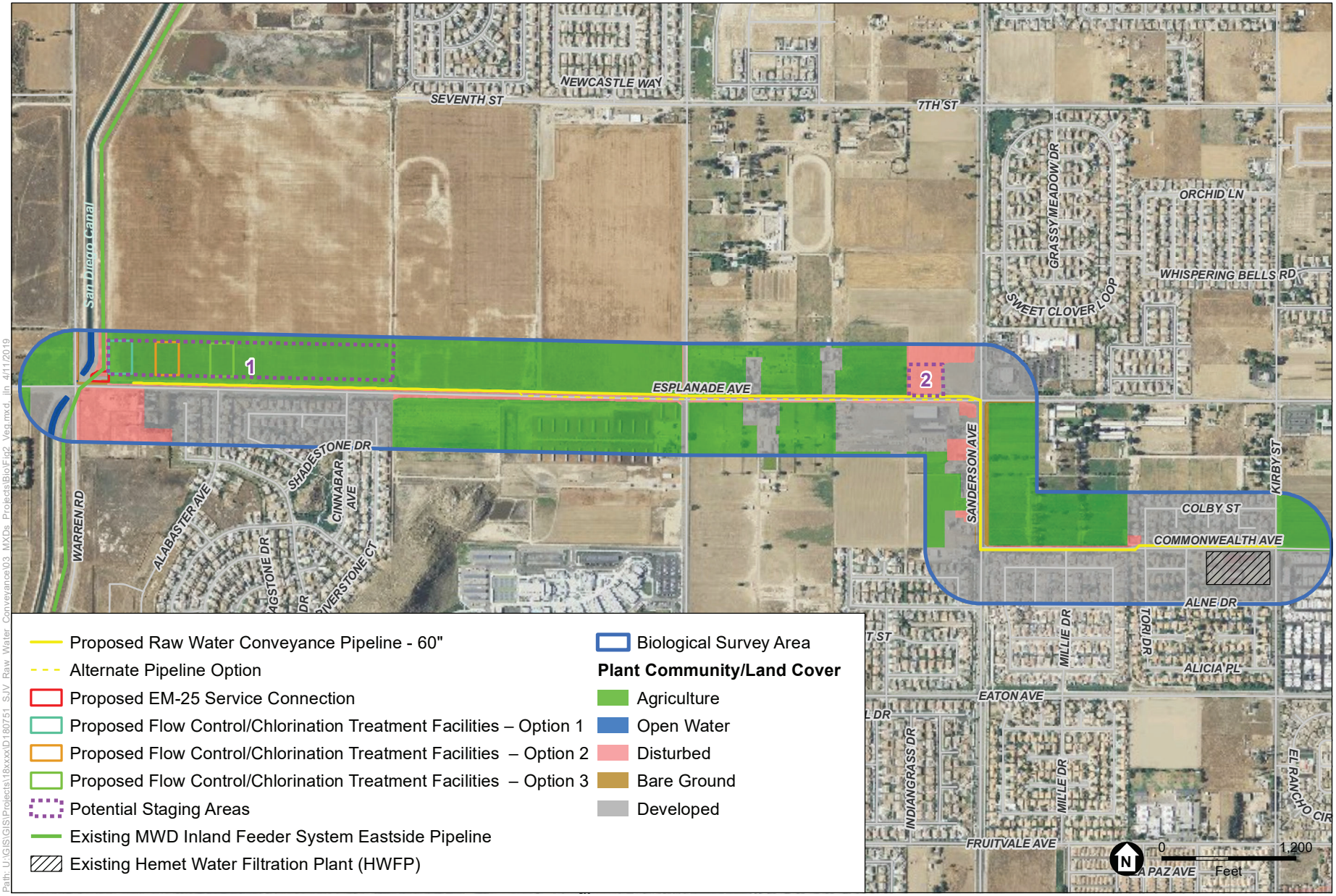


SOURCE: ESRI

San Jacinto Valley Raw Water Conveyance

Figure 1
Location Map

ESA



SOURCE: ESRI

San Jacinto Valley Raw Water Conveyance

Figure 2

Plant Community/Land Cover Map

ESA

This information was used to assess the potential for special-status species or California Department of Fish and Wildlife (CDFW) sensitive natural communities to be present within the Project impact areas[1,2]. Plant communities were characterized based on *A Manual of California Vegetation, Second Ed.* (Sawyer et al 2009), or by species dominance. The reconnaissance included a brief visual assessment of jurisdictional resources, i.e., Waters of the United States and state-regulated waters, for their potential to be present; however, a formal jurisdictional delineation was not performed. Representative photographs are provided in **Attachment A**.

Prior to conducting the site reconnaissance, a database search of the CDFW California Natural Diversity Data Base (CNDDB) (CDFW 2018a), United States Fish and Wildlife's (USFWS) Critical Habitat Mapper (USFWS 2018a) and the California Native Plant Society (CNPS) Rare Plant Inventory (CNPS 2018) was conducted to query special-status biological resources that have been recorded in the region and that could potentially occur on the Project site. USFWS's National Wetland Inventory (NWI) was queried for the presence of potentially jurisdictional waters (USFWS 2018b)[3]. The query included the Lakeview United States Geological Survey (USGS) Quadrangle 7.5-minute map for which the Project site is located, as well as the surrounding eight USGS quadrangles (Sunnymead, El Casco, Beaumont, Perris, San Jacinto, Romoland, Winchester and Hemet). In addition, the Program Environmental Impact Report (PEIR) and Biological Technical Report (BRT) for the Eastern Municipal Water District's San Jacinto Valley Water Banking – Enhanced Recharge and Recovery Program (ERRP) were reviewed (ESA 2018a, ESA 2018b). Because the Project is a component of the ERRP, the PEIR included a programmatic assessment of the raw water pipeline that is the subject of this environmental assessment, and is therefore relevant to this analysis.

The biological reconnaissance was focused along the proposed pipeline and included areas immediately adjacent to the impact area that extend approximately 100 feet in all directions. While all of the Project features were able to be surveyed, much of the 100 feet buffer area contained limited access as a majority of the undeveloped areas adjacent to the proposed pipeline contained active agricultural lands and fenced areas, while the developed portions adjacent to the proposed pipeline contained fenced residential areas. Areas with limited access were scanned with binoculars. Accessible areas were either walked or driven slowly to verify the plant communities and habitats. Any signs or direct observations of wildlife and wildlife activity were noted. Additionally, dominant flora were documented, as well as the relative abundance of each species. Plant taxonomy followed Baldwin, et al. (2012).

1 Special-status species include those listed as endangered, threatened, or candidate by the CESA or FESA. This also includes species with a California Rare Plant Rank (CRPR) of 1A, 1B, 2A, or 2B; California Fully Protected Species; Watch List Species and CDFW Species of Special Concern.

2 CDFW sensitive natural communities include those communities given a State rank of S1-S3 (CDFW 2018b).

3 Jurisdictional waters include those under the jurisdiction of the United States Army Corps of Engineers (Section 404 of the Clean Water Act (CWA)), State or Regional Water Control Board (Section 401 of the CWA) or California Department of Fish and Wildlife (Section 1600).

Regulatory Framework

The following provides a general description of the applicable regulatory requirements for the Proposed Program, including federal, State, and local policies and guidelines.

Federal

Endangered Species Act (USC, Title 16, § 1531 through 1543)

The Federal Endangered Species Act (FESA) and subsequent amendments provide guidance for the conservation of endangered and threatened species and the ecosystems upon which they depend. In addition, the FESA defines species as threatened or endangered and provides regulatory protection for listed species. The FESA also provides a program for the conservation and recovery of threatened and endangered species as well as the conservation of designated critical habitat that USFWS determines is required for the survival and recovery of these listed species.

Section 7 of the FESA requires federal agencies, in consultation with and assistance from the Secretary of the Interior or the Secretary of Commerce, as appropriate, to ensure that actions they authorize, fund, or carry out are not likely to jeopardize the continued existence of threatened or endangered species or result in the destruction or adverse modification of critical habitat for these species. The USFWS and National Marine Fisheries Service (NMFS) share responsibilities for administering the FESA. Regulations governing interagency cooperation under Section 7 are found in CCR Title 50, Part 402. The opinion issued at the conclusion of consultation will include a statement authorizing "take" (i.e., to harass, harm, pursue, hunt, wound, kill, etc.) that may occur incidental to an otherwise legal activity.

Section 9 lists those actions that are prohibited under the FESA. Although take of a listed species is prohibited, it is allowed when it is incidental to an otherwise legal activity. Section 9 prohibits take of listed species of fish, wildlife, and plants without special exemption. The definition of "harm" includes significant habitat modification or degradation that results in death or injury to listed species by significantly impairing behavioral patterns related to breeding, feeding, or shelter. "Harass" is defined as actions that create the likelihood of injury to listed species by disrupting normal behavioral patterns related to breeding, feeding, and shelter significantly.

Section 10 provides a means whereby a nonfederal action with the potential to result in take of a listed species can be allowed under an incidental take permit. Application procedures are found at 50 CFR 13 and 17 for species under the jurisdiction of USFWS and 50 CFR 217, 220, and 222 for species under the jurisdiction of NMFS.

Migratory Bird Treaty Act (16 USC 703 through 711)

The Migratory Bird Treaty Act (MBTA) is the domestic law that affirms, or implements, a commitment by the U.S. to four international conventions (with Canada, Mexico, Japan, and Russia) for the protection of a shared migratory bird resource. The MBTA makes it unlawful at any time, by any means, or in any manner to pursue, hunt, take, capture, or kill migratory birds. The law also applies to the removal of nests occupied by migratory

birds during the breeding season. The MBTA makes it unlawful to take, pursue, molest, or disturb these species, their nests, or their eggs anywhere in the United States.

Federal Clean Water Act (33 USC 1251 through 1376)

The Clean Water Act (CWA) provides guidance for the restoration and maintenance of the chemical, physical, and biological integrity of the nation's waters. Section 401 requires a federal license or permit that allows activities resulting in a discharge to waters of the United States to obtain state certification, thereby ensuring that the discharge will comply with provisions of the CWA. The RWQCB administers the certification program in California. Section 402 establishes a permitting system for the discharge of any pollutant (except dredged or fill material) into waters of the United States. Section 404 establishes a permit program administered by USACE that regulates the discharge of dredged or fill material into waters of the United States, including wetlands. USACE implementing regulations are found at 33 CFR 320 and 330. Guidelines for implementation are referred to as the Section 404(b)(1) Guidelines, which were developed by the United States Environmental Protection Agency in conjunction with USACE (40 CFR 230). The guidelines allow the discharge of dredged or fill material into the aquatic system only if there is no practicable alternative that would have less adverse impacts.

Wetlands and Other Waters of the United States

Aquatic resources, including riparian areas, wetlands, and certain aquatic vegetation communities, are considered sensitive biological resources and can fall under the jurisdiction of several regulatory agencies. USACE exerts jurisdiction over waters of the United States, including all waters that are subject to the ebb and flow of the tide; wetlands and other waters such as lakes, rivers, streams (including intermittent or ephemeral streams), mudflats, sandflats, sloughs, prairie potholes, vernal pools, wet meadows, playa lakes, or natural ponds; and tributaries of the above features. USACE can also exert jurisdiction over ditches under certain circumstances such as those that are tributary to a traditional navigable water (TNW) or that replace a natural feature. The extent of waters of the United States is generally defined as that portion that falls within the limits of the OHWM. Typically, the OHWM corresponds to the two-year flood event.

Wetlands, including swamps, bogs, seasonal wetlands, seeps, marshes, and similar areas, are defined by USACE as "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" (33 CFR 328.3[b]; 40 CFR 230.3[t]). Indicators of three wetland parameters (i.e., hydric soils, hydrophytic vegetation, and wetlands hydrology), as determined by field investigation, must be present for a site to be classified as a wetland by USACE (Environmental Laboratory, 1987).

2015 Clean Water Rule

In 2015, the USACE and the Environmental Protection Agency (EPA) issued the Clean Water Rule detailing the process for determining CWA jurisdiction over waters of the United States (USACE 2015). The rule is currently in effect in California and 21 other states. The 2015 Clean Water Rule broadly classifies features into three categories below: (A) those that are jurisdictional by rule, (B) those features that require a "significant nexus test," and (C) those that are excluded by rule.

(A) The USACE and EPA will assert jurisdiction over the following waters (jurisdictional by rule):

- TNWs.
- Interstate waters and wetlands.
- Territorial seas.
- Impoundments of waters (reservoirs, etc.).
- Tributaries with the following attributes:
  - Contributes flow to a TNW.
  - Contain bed, banks, and ordinary high water mark.
  - Can be natural, man-altered, or man-made.
  - Can have constructed breaks (culverts, pipes, etc.) or natural breaks.
- Waters "adjacent" to TNW and their tributaries, including:
  - Waters that are bordering, contiguous, or neighboring a TNW, interstate water, territorial sea, impoundment or tributary. Includes waters separated from other waters of the United States by constructed dikes or barriers, natural river berms, beach dunes or similar.
  - Waters within 100 feet of the OHWM of a TNW, interstate water, territorial sea, impoundment or tributary.
  - Waters within the 100-year floodplain and within 1,500 feet of a TNW, interstate water, territorial sea, impoundment or tributary.
  - Waters within 1,500 feet of the high tide line or OHWM of a TNW or territorial sea.

(B) The USACE and EPA will decide jurisdiction over the following waters based on a fact-specific analysis to determine whether they have a significant nexus with a TNW unless excluded by rule (significant nexus test):

- Vernal pools that have a significant nexus to a TNW or territorial sea.
- Waters within the 100-year floodplain of a TNW, interstate water or territorial sea.
- Waters within 4,000 feet of the high tide line or OHWM of a TNW, interstate water, territorial sea, impoundment or tributary.

(C) The USACE and EPA will not assert jurisdiction over the following features (excluded by rule):

- Waste treatment facilities including basins and percolation ponds.
- Prior converted cropland.
- The following types of ditches:
  - Ephemeral ditches that are not a relocated tributary or excavated in a tributary.
  - Intermittent ditches that are not a relocated tributary, excavated in a tributary, or drain wetlands.
  - Ditches that do not flow, either directly or through another water, into a TNW, interstate waters, territorial sea.

- Artificially irrigated areas that would revert to upland.
- Artificial, constructed lakes and ponds created in dry land such as stock watering ponds, irrigation ponds, settling basins, fields flooded for rice growing, cooling ponds
- Swimming pools or reflecting pools in dry land.
- Small ornamental waters created in dry land.
- Water-filled depressions created in dry land from mining or construction activities including pits for fill, sand, or gravel.
- Erosional features including gullies and rills that are not tributaries, non-wetland swales and constructed grass waterways.
- Puddles.
- Groundwater.
- Stormwater control features created in dry land.
- Wastewater recycling structures created in dry land including detention and retention basins, groundwater recharge basins, percolation ponds and water distributary structures.

State

California Endangered Species Act (California Fish and Game Code § 2050 et seq.)

The CESA establishes the policy of the State to conserve, protect, restore, and enhance threatened or endangered species and their habitats. The CESA mandates that State agencies should not approve projects that would jeopardize the continued existence of threatened or endangered species if reasonable and prudent alternatives are available that would avoid jeopardy. There are no State agency consultation procedures under the CESA. For projects that would affect a listed species under both the CESA and the FESA, compliance with the FESA would satisfy the CESA if CDFW determines that the federal incidental take authorization is "consistent" with the CESA under California Fish and Game Code Section 2080.1. For projects that would result in take of a species listed under the CESA only, the project operator would have to apply for a take permit under Section 2081(b).

California State Fish and Game Code § 1602

Under these sections of the California Fish and Game Code, the project operator is required to notify CDFW prior to any project that would divert, obstruct, or change the natural flow, bed, channel, or bank of any river, stream, or lake. Pursuant to the code, a "stream" is defined as a body of water that flows at least periodically, or intermittently, through a bed or channel having banks and supporting fish or other aquatic life. Based on this definition, a watercourse with surface or subsurface flows that supports or has supported riparian vegetation is a stream and is subject to CDFW jurisdiction. Altered or artificial watercourses, which may include ditches, that are valuable to fish and wildlife are subject to CDFW jurisdiction. CDFW also has jurisdiction over dry washes that carry water during storm events.

Preliminary notification and project review generally occur during the environmental process. When an existing fish or wildlife resource may be substantially adversely affected, CDFW is required to propose reasonable project

changes to protect the resource. These modifications are formalized in a Streambed Alteration Agreement, which becomes part of the plans, specifications, and bid documents for the project.

California Fully Protected Species

California fully protected species is described in Sections 3511, 4700, 5050, and 5515 of the California Fish and Game Code. These statutes prohibit take or possession of fully protected species. CDFW is unable to authorize incidental take of fully protected species when activities are proposed in areas inhabited by those species.

California State Fish and Game Code §§ 2080 and 2081

Section 2080 of the California Fish and Game Code states that "No person shall import into this state [California], export out of this state, or take, possess, purchase, or sell within this state, any species, or any part or product thereof, that the Commission [State Fish and Game Commission] determines to be an endangered species or threatened species, or attempt any of those acts, except as otherwise provided in this chapter, or the Native Plant Protection Act, or the California Desert Native Plants Act." Pursuant to Section 2081 of the code, CDFW may authorize individuals or public agencies to import, export, take, or possess State-listed endangered, threatened, or candidate species. These otherwise prohibited acts may be authorized through permits or Memoranda of Understanding if the take is incidental to an otherwise lawful activity, impacts of the authorized take are minimized and fully mitigated, the permit is consistent with any regulations adopted pursuant to any recovery plan for the species, and the project operator ensures adequate funding to implement the measures required by CDFW, which makes this determination based on available scientific information and considers the ability of the species to survive and reproduce.

California State Fish and Game Code §§ 3503, 3503.5, 3513, and 3800

Section 3503 of the California Fish and Game Code states that it is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird. Section 3503.5 specifically states that it is unlawful to take, possess, or destroy any raptors (i.e., species in the orders Falconiformes and Strigiformes), including its nests or eggs. Typical violations of these codes include destruction of active nests resulting from removal of vegetation in which the nests are located. Violation of Section 3503.5 could also include failure of active raptor nests resulting from disturbance of nesting pairs by nearby project construction. This statute does not provide for the issuance of any type of incidental take permit.

Section 3800 of the California Fish and Game Code affords protection to all nongame birds, which are all birds occurring naturally in California that are not resident game birds, migratory game birds, or fully protected birds. Section 3513 of the California Fish and Game Code upholds the MBTA by prohibiting any take or possession of birds that are designated by the MBTA as migratory nongame birds except as allowed by federal rules and regulations promulgated pursuant to the MBTA.

California Environmental Quality Act Guidelines, § 15380

Although threatened and endangered species are protected by specific federal and State statutes, *CEQA Guidelines* § 15380(b) provides that a species not listed on the federal or State list of protected species may be considered rare or endangered if the species can be shown to meet certain specified criteria. These criteria have

been modeled after the definition in FESA and the section of the California Fish and Game Code dealing with rare or endangered plants or animals. This section was included in CEQA primarily to deal with situations in which a public agency is reviewing a project that may have a significant effect on, for example, a candidate species that has not been listed by either USFWS or CDFW. Thus, CEQA provides an agency with the ability to protect a species from the potential impacts of a project until the respective government agencies have an opportunity to designate the species as protected, if warranted. CEQA also calls for the protection of other locally or regionally significant resources, including natural communities. Although natural communities do not at present have legal protection of any kind, CEQA calls for an assessment of whether any such resources would be affected, and requires findings of significance if there would be substantial losses. Natural communities listed by CNDDB as sensitive are considered by CDFW to be significant resources and fall under the *CEQA Guidelines* for addressing impacts. Local planning documents such as general plans often identify these resources as well.

Native Plant Protection Act (California Fish and Game Code §§ 1900 through 1913)

California's NPPA requires all State agencies to use their authority to carry out programs to conserve endangered and rare native plants. Provisions of the NPPA prohibit the taking of listed plants from the wild and require notification of CDFW at least 10 days in advance of any change in land use. This allows CDFW to salvage listed plant species that would otherwise be destroyed. The project operator is required to conduct botanical inventories and consult with CDFW during project planning to comply with the provisions of this act and sections of CEQA that apply to rare or endangered plants.

California Wetland Definition

Unlike the federal government, California has adopted the Cowardin et al. (1979) definition of wetlands. For purposes of this classification, wetlands must have one or more of the following three attributes: (1) at least periodically, the land supports predominantly hydrophytes (at least 50 percent of the aerial vegetative cover); (2) the substrate is predominantly undrained hydric soil; and (3) the substrate is nonsoil and saturated with water or covered by shallow water at some time during the growing season of each year.

Under normal circumstances, the federal definition of wetlands requires all three wetland identification parameters to be met, whereas the Cowardin definition requires the presence of at least one of these parameters. For this reason, identification of wetlands by State agencies consists of the union of all areas that are periodically inundated or saturated or in which at least seasonal dominance by hydrophytes may be documented or in which hydric soils are present.

Section 401 Clean Water Act

Under Section 401 of the CWA, the local RWQCB, Santa Ana RWQCB, must certify that actions receiving authorization under Section 404 of the CWA also meet State water quality standards. The RWQCB requires projects to avoid impacts to wetlands if feasible and requires that projects do not result in a net loss of wetland acreage or a net loss of wetland function and values. Compensatory mitigation for impacts to wetlands and/or waters of the State is required.

Porter-Cologne Water Quality Control Act

The RWQCB also has jurisdiction over waters deemed 'isolated' or not subject to Section 404 jurisdiction under the SWANCC decision. Dredging, filling, or excavation of isolated waters constitutes a discharge of waste to waters of the State and prospective dischargers are required obtain authorization through an Order of Waste Discharge or waiver thereof from the RWQCB and comply with other requirements of Porter-Cologne Act.

Regional

Western Riverside County Multiple Species Habitat Conservation Plan

The Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) is a comprehensive, multi-jurisdictional habitat conservation plan (HCP) focused on the conservation of species and their associated habitats in western Riverside County. The primary goal of the MSHCP is to maintain biological and ecological diversity within a rapidly urbanizing region. The MSHCP involves the assembly and management of a 500,000-acre Conservation Area for the conservation of natural habitats and their constituent wildlife populations. The MSHCP was developed to serve as a HCP pursuant to the Natural Communities Conservation Planning (NCCP) Act and Section 10(a)(1)(B) of the FESA. The MSHCO encompasses 1.26 million acres and includes all unincorporated Riverside County land west of the crest of the San Jacinto Mountains to the Orange County line as well as jurisdictional areas of the Cities of Temecula, Murrieta, Lake Elsinore, Canyon Lake, Norco, Corona, Riverside, Moreno Valley, Banning, Beaumont, Calimesa, Perris, Hemet, and San Jacinto. The overarching purpose of the plan is to balance development and economic interests with species and lands conservation goals. The MSHCP permits development of lands and take of species "in exchange for the assembly and management of a coordinated MSHCP Conservation Area" (Western Riverside County Regional Conservation Authority, 2003a).

The City of Hemet and the City of San Jacinto have adopted ordinances to implement the MSHCP, which addresses habitat protection issues throughout the County and Cities and establishes "criteria areas," which require high levels of habitat protection. All development projects within criteria areas are first required to undergo an extensive habitat assessment and if necessary, undergo an acquisition process from the Western Riverside County Regional Conservation Authority (RCA). However, EMWD is not a Participating Entity in the MSCHP and is not required to demonstrate project consistency with the goals and provisions of the MSHCP as they pertain to biological resources.

Existing Conditions

Land Cover Vegetation Communities

As shown in Figure 2, the biological survey area is dominated by a combination of agricultural lands, developed areas and disturbed areas with minor amounts of bare ground, open water.

Agricultural Lands

Agricultural lands are characterized by the presence of crops, grazing lands dominated by non-native grasses and fallow fields that showed signs of recent agricultural use during the site visit or recent aerial photography (Google Earth Pro 2018). Agricultural lands are located throughout the biological survey area and cover approximately 148.4 acres.

Developed, Disturbed and Areas of Bare Ground

Developed areas are characterized by the presence of paved roads, residences, commercial facilities and associated landscaped areas containing non-native ornamental plants. Developed areas are located throughout the biological survey area and cover approximately 119.4 acres.

Disturbed areas are characterized by signs of recent disturbance, typically in the form of disking for agricultural purposes or roadside maintenance, and the presence of a combination of native plants such sprangletop grass (*Leptochloa fusca* ssp) and cattails (*Typha* spp.). Non-native plants include barnyard grass (*Echinochloa crus-galli*), sedges (*Cyperus* sp.) sweetclover (*Melilotus albus*) and annual beard grass (*Polypogon monspeliensis*), ripgut brome (*Bromus diandrus*), tree tobacco (*Nicotiana glauca*), Russian thistle (*Salsola* sp.), and short pod mustard (*Hirschfeldia incana*). Additional plants observed within disturbed areas included annual sunflower (*Helianthus annuus*), prickly-pear cactus (*Opuntia* sp.), stinknet (*Oncosiphon piluliferum*), canary grass (*Phalaris* sp.) and prostrate knotweed (*Polygonum aviculare*). Disturbed areas are located throughout the biological survey area and cover approximately 21.2 acres.

A variety of planted trees on the Project site occur along roadways and residential areas. These include Eucalyptus (*Eucalyptus* sp.), pine trees (*Pinus* sp.), liquid amber (*Liquidambar styraciflua*), olive (*Olea europaea*), palo verde (*Parkinsonia aculeata*), cottonwood (*Populus* sp.), Peruvian pepper tree (*Schinus molle*), and Mexican fan palm (*Washingtonia robusta*).

Bare ground is used to characterize habitats that are devoid of vegetation, which occurs at the western end of the Project site and along Sanderson Avenue. Bare ground covers approximately 1.9 acres of the biological survey area.

Open Water

Open water consists of a small portion of a roadside ditch, located at the northeast corner of Esplanade Avenue and Warren Road. As shown on Figure 2, the San Diego Canal at this intersection contains open water, as well as, an agricultural pond located to the south of Esplanade Avenue and west of Cawston Avenue. Open water covers approximately 0.7 acre of the biological survey area.

Wildlife

Common birds observed during the survey included Canada goose (*Branta canadensis*), Anna's hummingbird (*Calypte anna*), turkey vulture (*Cathartes aura*), American crow (*Corvus brachyrhynchos*), house finch (*Haemorhous mexicanus*), northern mockingbird (*Mimus polyglottos*), house sparrow (*Passer domesticus*), cliff swallow (*Petrochelidon pyrrhonota*), black phoebe (*Sayornis nigricans*), western bluebird (*Sialia mexicana*), Eurasian collared dove (*Streptopelia decaocto*), kingbird (*Tyrannus* sp.), and mourning dove (*Zenaida macroura*). One special-status wildlife species, white-faced ibis (*Plegadis chihi)*, was detected flying over the site during the biological reconnaissance. Mosquitofish (*Gambusia affinis*), was observed in the roadside ditch containing open water. Common wildlife species likely to occur but not observed during the site visit include western fence lizard (*Sceloporus occidentalis*), European starling (*Sturnus vulgaris*) and red-tailed hawk (*Buteo jamaicensis*).

Special-Status Biological Resources

According to the CNDDB, CNPS and USFWS databases, a total of 62 special-status plant species, 59 special-status wildlife species, and six sensitive natural communities, have been previously recorded in the 9-USGS quadrangle search (i.e., the region) (**Attachment B**). However, 117 of these special-status species do not have the potential to occur in the survey area, because the habitat is not suitable and/or the Project site is outside the known range for the species. Sensitive natural communities are omitted from discussion, because it was confirmed that none are present within the survey area.

Special-Status Plants and Wildlife

Based on the habitats (e.g., soils, plant communities, vegetation density, slope, etc.) and land cover that are present, previously recorded species occurrences, and known distribution and range limitations, it was determined that three special-status wildlife species and one special-status plant species have potential to occur within the Project site. These include coastal whiptail (*Aspidoscelis tigris* ssp. *stejnegeri*), burrowing owl (*Athene cunicularia*), white-faced ibis (*Plegadis chihi*), and smooth tarplant (*Centromadia pungens* ssp. *laevis*). **Table 1** identifies the protective status of the species indicated above, including preferred habitat and the quality of habitat located within the survey area. Also indicated is the probability of the species to occur within the survey area (i.e., Project impact area and immediate vicinity).

TABLE 1
SENSITIVE WILDLIFE AND PLANT SPECIES WITH POTENTIAL TO OCCUR AT THE PROJECT SITES

Common Name	Scientific Name	Status1 (Federal/State/Other)	Habitat	Potential to Occur at Project Sites
Birds				
burrowing owl	*Athene cunicularia*	None/SSC/None	Coastal prairie, Coastal scrub, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Sonoran desert scrub, Valley & foothill grassland	**Medium.** Potential foraging habitat is present on the site in the untilled agricultural lands and disturbed areas. Little evidence of ground dwelling mammal activity observed.
white-faced ibis	*Plegadis chihi*	None/SWL/None	Marsh, swamp, & wetland	**Low.** Observed flying over the site. Limited foraging habitat onsite along the open water areas. Likely attracted by nearby waterbodies to the north.
Reptiles				
coastal whiptail	*Aspidoscelis tigris* ssp. *stejnegeri*	None/SSC/None	Woodland, riparian, deserts, semiarid areas with sparse vegetation and open areas	**Medium.** Disturbed areas, agricultural lands and bare ground may provide suitable habitat.

Common Name	Scientific Name	Status1 (Federal/State/Other)	Habitat	Potential to Occur at Project Sites
Plants				
smooth tarplant	*Centromadia pungens* ssp. *laevis*	None/None/1B.1	Alkali playa, Chenopod scrub, Meadow and seep, Riparian woodland, Valley and foothill grassland & Wetland	**Low**. Disturbed areas may provide suitable habitat.

1 Federal/State/Other Status: FE – Federally Endangered; FT – Federally Threatened; FC – Federal Candidate; SE – State Endangered; ST – State Threatened, SWL – State Watch List

California Rare Plant Ranking (CRPR)
CRPR 1B Plants considered rare, threatened or endangered in California and elsewhere;
CRPR 4 Limited distribution, watch list.

Only species for which there is suitable habitat at the Project sites are included in Table 1. The "Potential for Occurrence" category outlined in Table 1 is defined as follows:

- **Low Potential:** The Project area and/or immediate vicinity provides low-quality habitat for a particular species, such as improper substrate, disturbed or otherwise degraded habitat, or improper assemblage of desired vegetation, and/or the site is outside of the known range of the species.
- **Medium Potential:** The Project area and/or immediate vicinity provides marginal habitat for a particular species. For example, proper substrate may be present, but the desired vegetation assemblage or density is less than ideal, or substrate and vegetation are suitable, but the site is outside of the known elevation range of the species.
- **High Potential:** The Project area and/or immediate vicinity provides high-quality or ideal habitat (i.e., soils, vegetation assemblage, and topography) for a particular species and/or there are known occurrences in the general vicinity of the Project area.

One special-status avian species, white-faced ibis, was observed flying overhead during the site reconnaissance. This was likely an incidental sighting associated with Reflection Lake to the north or other waterbodies that provide foraging habitat to the north and northeast of the Project site, such as San Jacinto Reservoir or recharge ponds along the San Jacinto River.

Open areas containing untilled agricultural lands and disturbed areas not abutting active roadways provide suitable foraging habitat for burrowing owls although no owls or their sign were observed during the site visit. A few, small mammal burrows of undetermined species were observed along Esplanade Avenue and Sanderson Avenue. California ground squirrel (*Otospermophilus beecheyi*) or other small mammals were not observed during the survey. Many of the agricultural fields are actively tilled and are not likely suitable for foraging. Agricultural fields which contain row crops or grasses for grazing are suitable for foraging.

Open areas containing untilled agricultural lands and disturbed areas not abutting active roadways provide suitable foraging habitat for coastal whiptail although no whiptails or their sign were observed during the site

visit. Actively tilled agricultural lands are not likely suitable for foraging. However, agricultural fields which contain row crops are suitable for foraging.

Several disturbed areas may provide suitable habitat for smooth tarplant although no individuals were observed during the site visit. This includes ditches along Esplanade Avenue and the detention basin along Commonwealth Avenue both of which are maintained. The species does well in wetlands and riparian areas that have been disturbed.

Critical habitat is absent from the Project site with the nearest critical habitat occurring approximately 1.6 miles south of the Project site and was established for spreading navarretia (*Navarretia fossalis*). In addition, critical habitat for San Bernardino kangaroo rat (*Dipodomys merriami parvus*) occurs approximately 4 miles to the east of the Project site within the San Jacinto River. Neither of these species or other species listed under FESA have been identified as having potential to occur on the Project site.

Nesting Birds

The habitat on the site is of low quality because of the amount of development and establishment and dominance of non-native plants and ongoing agricultural and maintenance practices that enables their development. Nonetheless, vegetation that does occur on the Project site (i.e., pine trees, Eucalyptus trees, cottonwood trees and landscaped plants) have the potential to provide nesting and foraging habitat for a variety of common bird species.

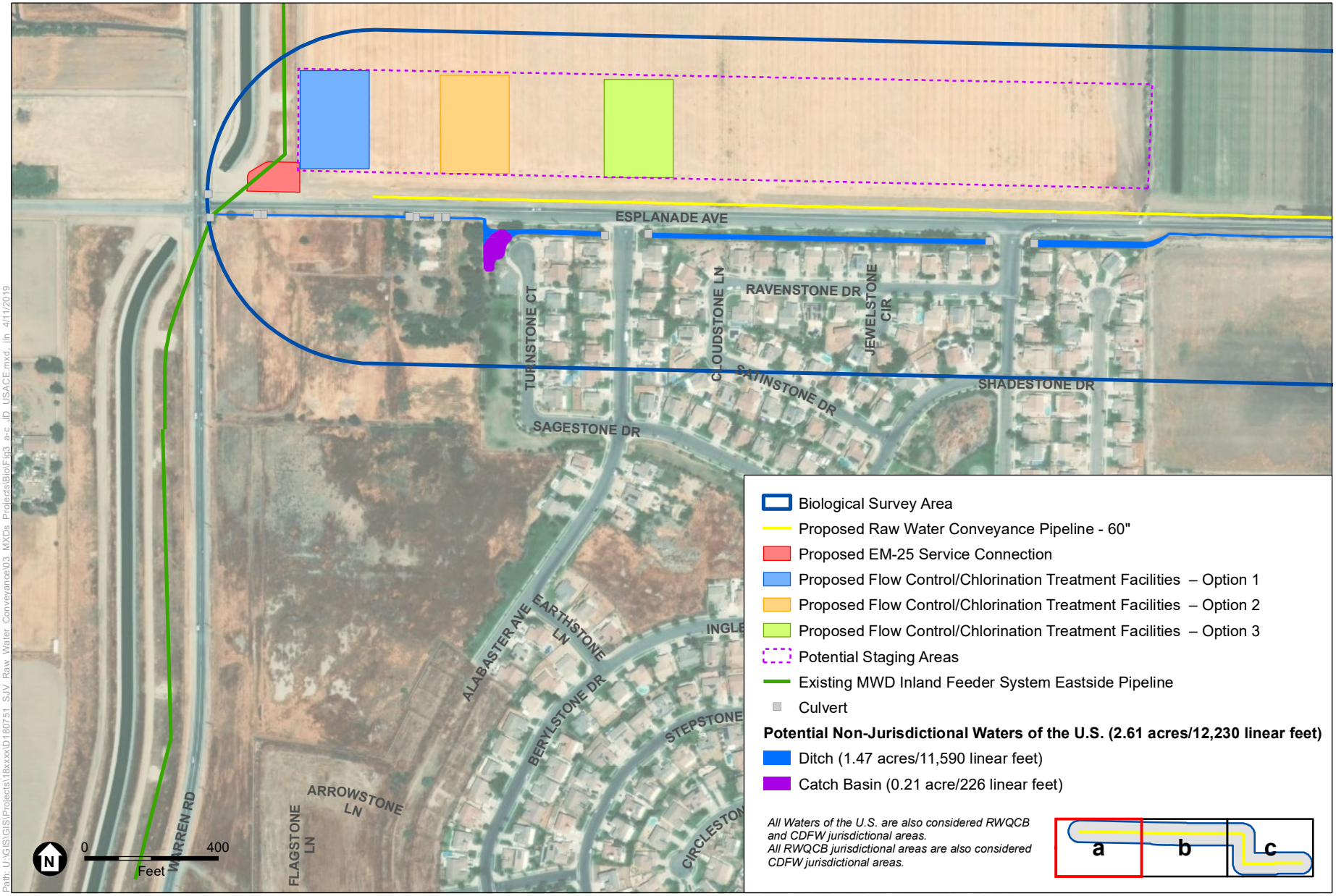
Potential Jurisdictional Waters

As depicted on **Figures 3a-c** and **4a-c**, three types of potentially jurisdictional non-wetland waters of the U.S./state were observed within the Proposed Project area that include ditches, catch basins, and agricultural pond. Potential wetland waters of the U.S./state were not observed on the Proposed Project area. Ditches that convey stormwater flow off the roadway and urban runoff occur along both sides of Esplanade Avenue as well as the east side of Warren Road. The ditches are mostly earthen bottomed and 2 to 5 feet wide except in the residential area south of Esplanade Ave near Alabaster Ave and Cinnabar Ave. In this area, the ditches contain riprap, are maintained with the surrounding landscaped area and are 15-feet wide. Flows within the ditches likely seep back into the ground within the ditches, flow into the catch basin south of Esplanade Ave and seep into the ground or possibly drain into Reflection Lake to the north. The ephemeral ditches, catch basins and agricultural pond are likely not regulated by the USACE as they are features that are excluded by rule in accordance with the 2015 Clean Water Rule. The 2015 Clean Water Rule excludes the type of ephemeral ditches, catch basins and agricultural pond that occur within the Proposed Project area by rule as they are ephemeral ditches that are not a relocated tributary or excavated in a tributary, stormwater control features constructed on dry land, and an artificial irrigation pond. However, the ditches, catch basins, and agricultural pond may be regulated by the RWQCB and/or CDFW.

The San Diego Canal is located at the northeastern and southwestern corners of the intersection of Esplanade Ave and Warren Road. The San Diego Canal was initially constructed in 1958-1959 by MWD and pre-dates the Clean

Water Act 1977 amendments[4]. Therefore, the canal is not likely considered by the USACE to be waters of the U.S.; however, the USACE makes the official jurisdictional determination of the presence or absence of waters of the U.S. It is also anticipated that the Santa Ana RWQCB will not regulate construction-related activities within the canal since it is a constructed water conveyance facility that conveys raw unfiltered water from the State Water Project and the activity would not impair water quality or beneficial uses. Further, since the canal is not a lake, river, stream, or drainage feature and does not support aquatic wildlife or sensitive natural communities, it is expected that the canal is not subject to regulation under Section 1602 of the Fish and Game Code by CDFW. Therefore, the canal is not further discussed in this report.

[4] The Clean Water Act of 1977 authorized the USACE to issue general permits on a State, regional, or nationwide basis for any category of activities involving discharges of dredged or fill material if the Secretary determines that the activities in such category are similar in nature, will cause only minimal adverse environmental effects when performed separately, and will have only minimal cumulative adverse effect on the environment.



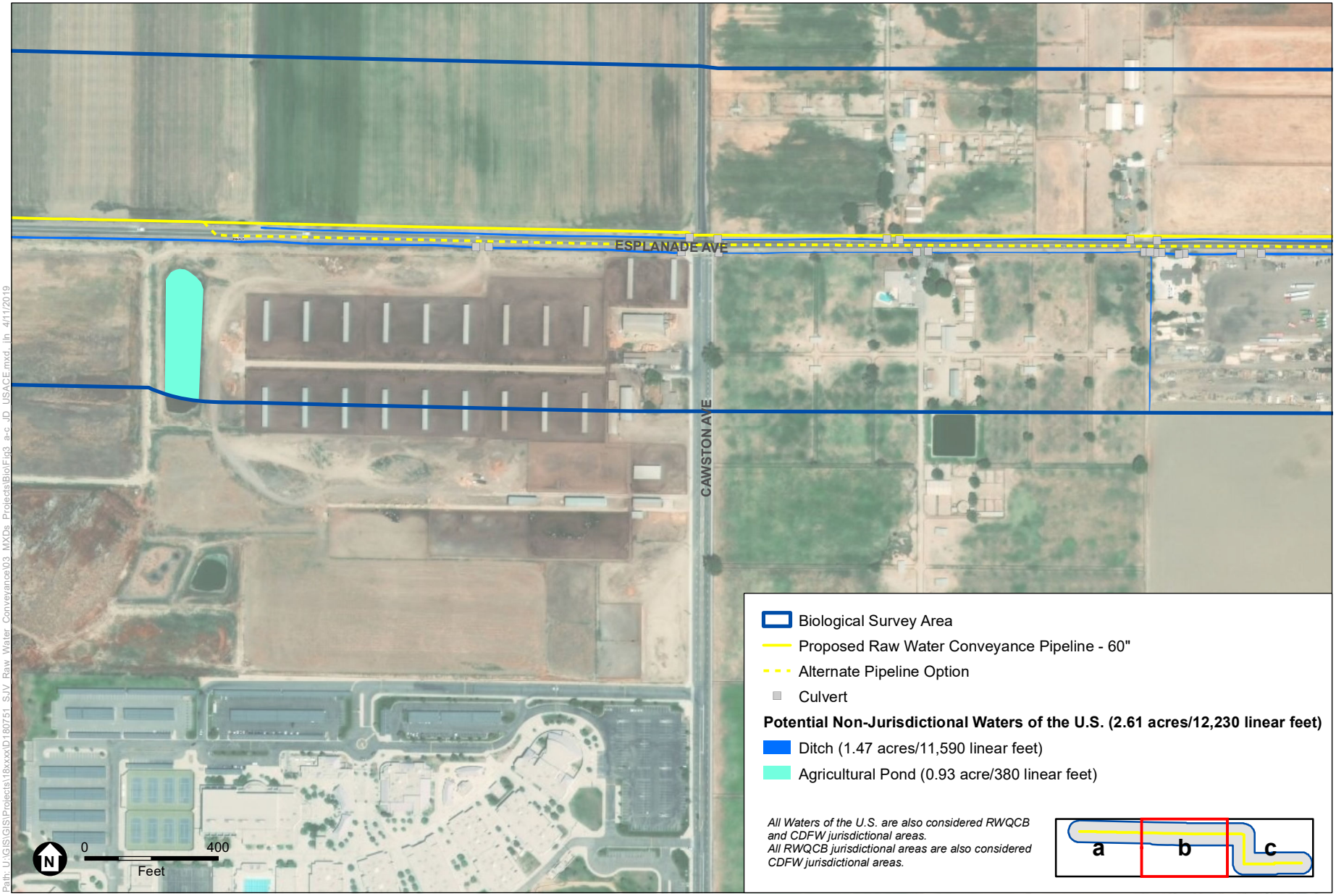
SOURCE: ESRI 2017

San Jacinto Valley Raw Water Conveyance

Figure 3a

Potential Non-Jurisdictional Waters of the U.S.

ESA



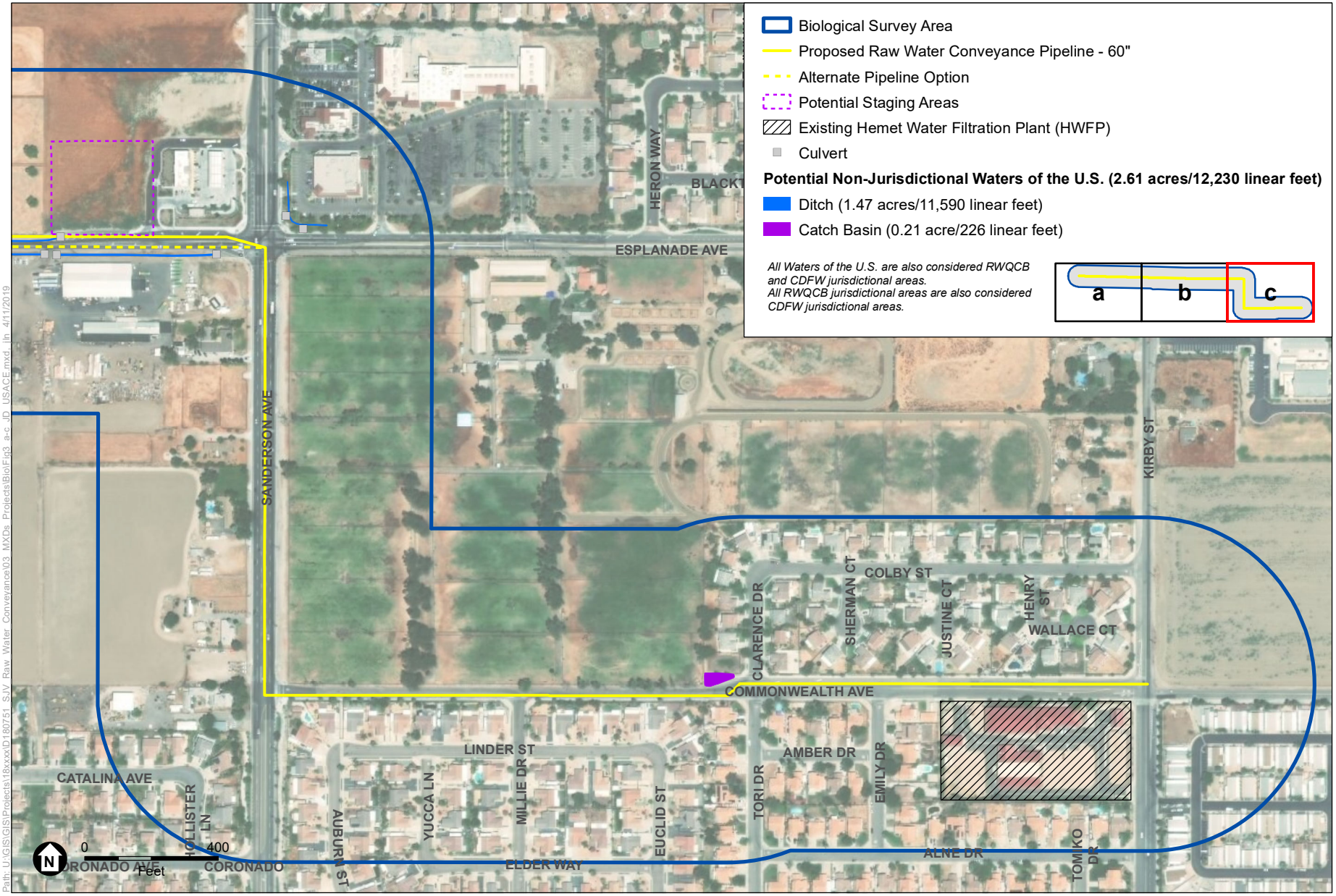
SOURCE: ESRI 2017

San Jacinto Valley Raw Water Conveyance

Figure 3b

Potential Non-Jurisdictional Waters of the U.S.

ESA



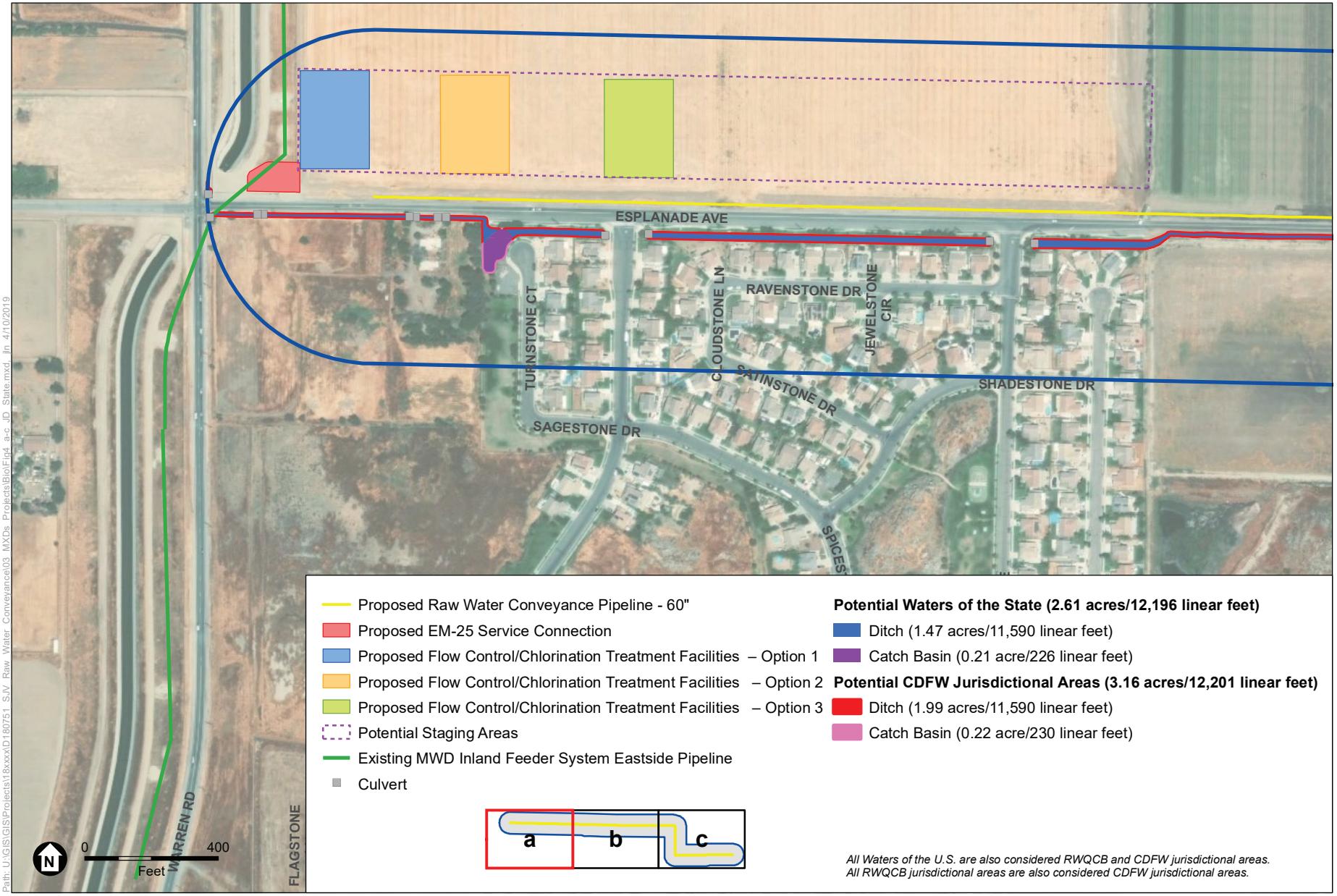
SOURCE: ESRI 2017

San Jacinto Valley Raw Water Conveyance

Figure 3c

Potential Non-Jurisdictional Waters of the U.S.

ESA



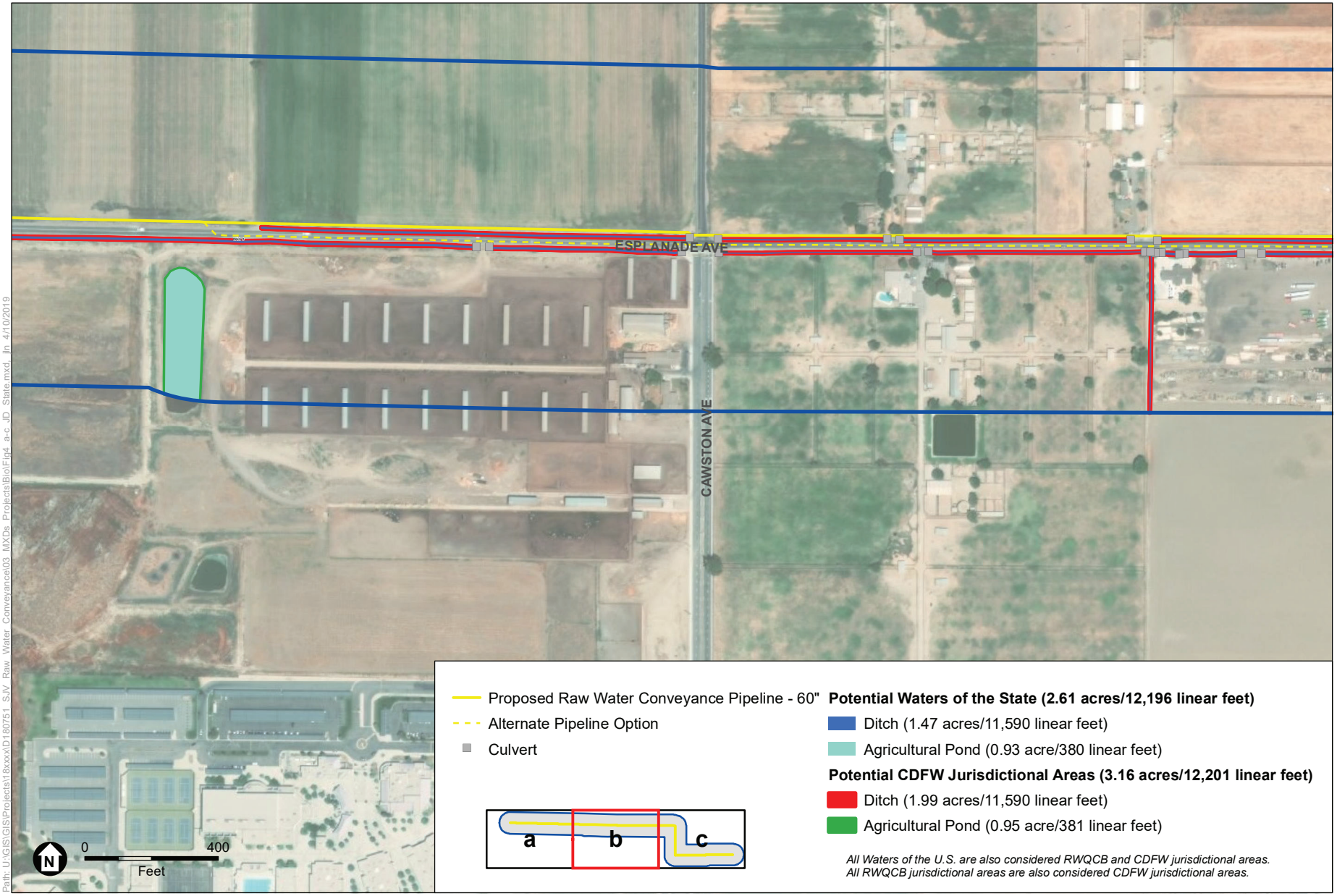
SOURCE: ESRI 2017

San Jacinto Valley Raw Water Conveyance

Figure 4a

Potential Waters of the State and CDFW Jurisdictional Areas

ESA



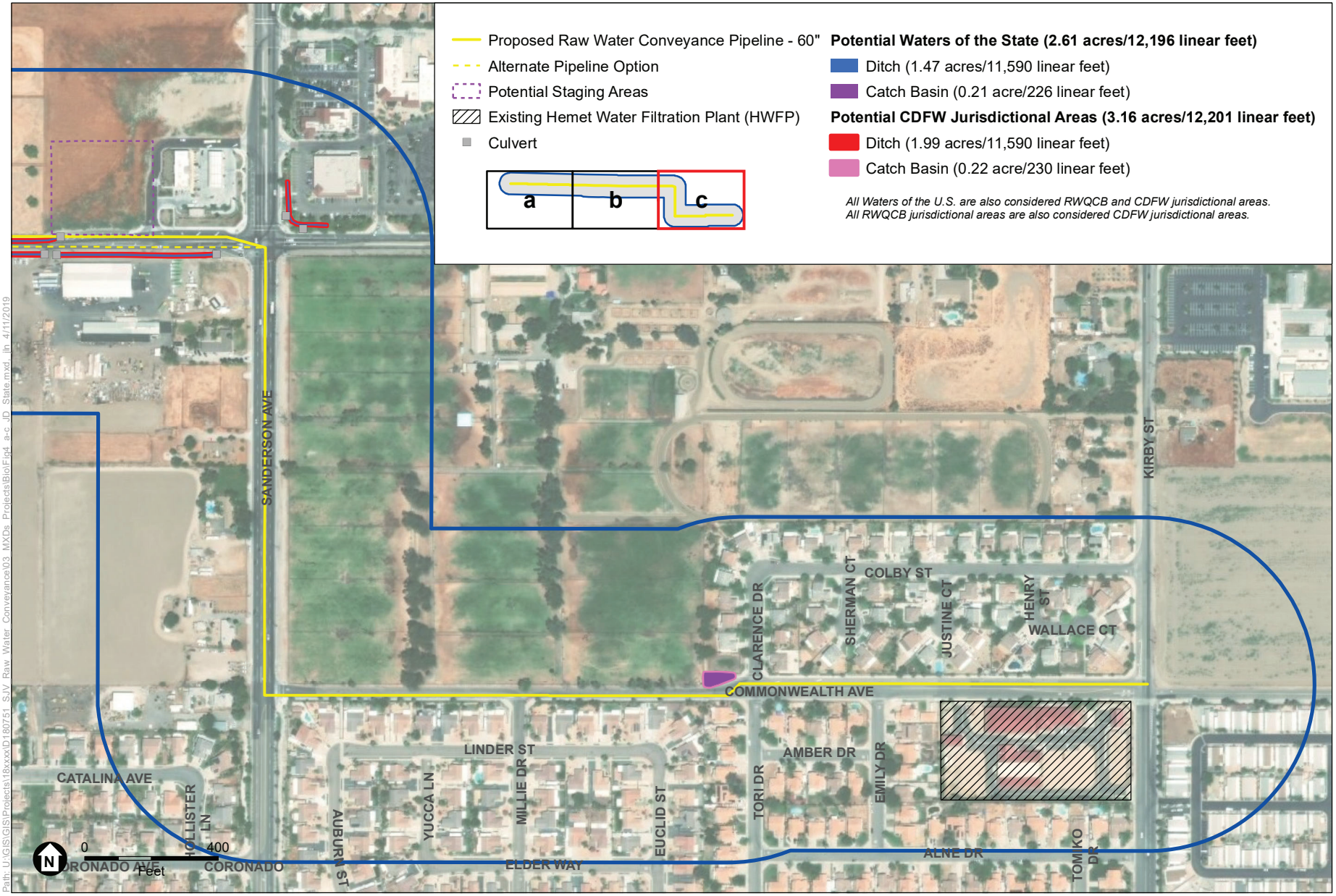
SOURCE: ESRI 2017

San Jacinto Valley Raw Water Conveyance

Figure 4b

Potential Waters of the State and CDFW Jurisdictional Areas

ESA



SOURCE: ESRI 2017

San Jacinto Valley Raw Water Conveyance

Figure 4c

Potential Waters of the State and CDFW Jurisdictional Areas

ESA

Local Ordinance

Local ordinances within the area of the Project include the Riverside County MSHCP. EMWD is not a Participating Entity in the MSCHP and is not required to demonstrate Project consistency with the goals and provisions of the MSHCP as they pertain to biological resources.

Wildlife Movement Corridors

The survey area is located within an urbanized area of the City of San Jacinto that is surrounded by development and agricultural land. There are two disturbed areas along Esplanade Avenue that previously contained agricultural lands or developed areas and have not been recently maintained. Additionally, maintained, narrow roadside ditches occur along Esplanade Avenue. However, disturbed areas and roadside ditches are not contiguous and do not function as a corridor between two larger stands of habitat, which would constitute a wildlife corridor. The Project does not provide a suitable corridor for wildlife species to move from one area of undeveloped habitat to another.

Recommended Minimization and Avoidance Measures

Special-status Wildlife

Focused protocol surveys for burrowing owl must be conducted prior to initiation of the Project in areas that contain suitable habitat for the species. This includes disturbed areas located at the southeast corner of Esplanade Ave and Warren Road as well as disturbed areas near the northwestern corner of Esplanade Ave and Sanderson Ave. The focused protocol surveys should be conducted by a knowledgeable biologist following protocol outlined in the CDFW Staff Report on Burrowing Owl Mitigation (CDFW, 2012). If burrowing owl is observed during the focused surveys and found to be potentially impacted by the Project, additional avoidance and mitigation measures will be required. Avoidance measures include constructing Project facilities outside the breeding season, establishing a suitable buffer around an active burrow, restricting activities around certain times of year, and excluding and relocating owls. A Burrow Exclusion Plan approved by CDFW will be required to implement exclusion and relocation. Permanent impacts to land that previously contained burrowing owls may also require conservation of mitigation lands to offset the impact to burrowing owl and its habitat. The conservation of mitigation lands will be determined through consultation with CDFW.

While the Project is not anticipated to result in significant impacts to coastal whiptail that would result in the greater population of the species to drop below self-sustaining levels, preconstruction surveys for this species should be conducted to determine if the species is present within the Project impact areas. If the species is present, construction Best Management Practices (BMPs) and Worker Environmental Awareness Program (WEAP) training should be implemented during construction activities to avoid and minimize potential impacts to this species and reduce impacts to a less than significant level. Example BMPs to be implemented during construction include limiting vehicle speed onsite to 15 miles per hour, covering trenches and open pits, if trenches are left open adding wooden ramps in the trench to allow small wildlife to escape, temporarily fencing work areas using silt fencing, and cleaning up all trash and debris daily. Additional avoidance measures may include establishing a buffer around the species and onsite monitoring should a population of a special-status species be found. Additionally, the WEAP training will be conducted by a knowledgeable biologist to identify

species that could be impacted and summarize the construction BMPs to be implemented. Construction personnel will be instructed to not directly harm any special-status species onsite by halting activities until the species can move to offsite areas or contact a qualified biologist to move the species out of harm's way.

Nesting Birds

To avoid potential impacts to nesting birds, it is recommended that any vegetation removal and/or ground disturbance be timed to occur between September 1 and January 31, which is outside of the typical nesting season for birds in the region. If vegetation removal and/or ground disturbances must occur during the typical nesting season (February 1 – August 31), it is recommended that a qualified biologist conduct a preconstruction survey for active nests within areas that will be subject to vegetation removal and/or ground disturbances, including a 500-foot buffer, to identify any active nests. If no sign of nesting activity is observed, construction may proceed without potential impacts to nesting birds.

If an active nest is observed during the pre-construction clearance survey, an adequate buffer should be established around the active nest depending on sensitivity of the species and proximity to Proposed Project impact areas. Typical buffer distances include up to 300-feet for passerines and up to 500-feet for raptors, but can be reduced as deemed appropriate by a monitoring biologist. Onsite construction monitoring may also be required to ensure that no direct or indirect impacts occur to the active nest. Proposed Project activities may encroach into the buffer only at the discretion of the monitoring biologist. The buffer should remain in place until the nest is no longer active as determined by the monitoring biologist.

Potential Jurisdictional Waters

Wetland waters of the U.S. were not observed in the Proposed Project area and are confirmed to be absent. Three types of potentially jurisdictional non-wetland waters of the U.S. were observed within the Proposed Project area that include ditches, catch basins, and agricultural pond. These features were determined to fall outside the jurisdiction of the USACE under the 2015 Clean Water Rule. As a result, all construction Project activities including pipeline trenching and installation of the EM-25 service connection, flow control and chlorination treatment facilities would not impact waters of the U.S., and no impacts to federal wetlands or non-wetland waters would occur. Operation of the Project would not involve any activities that would impact potentially jurisdictional features.

Wetland waters of the State were not observed on the Proposed Project area and are confirmed to be absent. Three types of potentially jurisdictional, non-wetland waters of the State were observed adjacent to or in the vicinity of the Proposed Project. These features include ditches, catch basins, and an agricultural pond that may be regulated by the Santa Ana RWQCB and/or CDFW. Ditches convey stormwater and urban runoff that flows off the roadway along the northern edge of Esplanade Avenue where the pipeline alignment would be installed. The ditches are earthen bottomed and 2 to 5 feet wide. Flows within the ditches likely either seep back into the ground, flow into the catch basin south of Esplanade Ave and seep into the ground, or drain into Reflection Lake to the north. As currently proposed, the EM-25 service connection, and Options 1 through 3 for the flow control facility and chlorination treatment facility, the staging areas, as well as the pipeline alignment, would avoid potentially jurisdictional waters of the State regulated by CDFW and the Santa Ana RWQCB.

Operation of the Project would not involve any activities that would impact potentially jurisdictional features, nor are permits expected for operational discharges.

Local Ordinances

Recommended minimization and avoidance measures described above will be sufficient to protect biological resources. As explained above, EMWD is not a Participating Entity in the MSCHP and is not required to demonstrate Project consistency with the goals and provisions of the MSHCP as they pertain to biological resources.

Wildlife Movement Corridors

Minimization and avoidance measures to account for wildlife movement corridors are not required as wildlife movement corridors are absent from the Project site.

References

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Mr. Javier
April 1, 2019

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On behalf of ESA, it has been a pleasure preparing this information for you. Please do not hesitate to contact Greg Ainsworth or Ryan Villanueva at (213) 599-4300 if you have any questions or comments regarding this report.

Sincerely,

Ryan Villanueva
Senior Biologist

Greg Ainsworth
Director, Biological Resources

Attachments: Attachment A – Representative Site Photographs
Attachment B – CNDDB and CNPS Database Search Results

ATTACHMENT A

Representative Site Photographs

PHOTOGRAPH 1: Agricultural field north of West Esplanade Drive along proposed Options 1 through 3 and potential staging area 1.

PHOTOGRAPH 2: Agricultural field north of West Esplanade Drive.

PHOTOGRAPH 3: Agricultural field south of West Esplanade Drive.

PHOTOGRAPH 4: Potential jurisdictional feature north of West Esplanade Drive near proposed staging area 2.

D180751.00

SOURCE: ESA, 2018

San Jacinto Valley Raw Water Conveyance

Attachment A
Site Photographs

ESA

PHOTOGRAPH 5: Agricultural area at the northeast corner of North Sanderson Avenue and Commonwealth Avenue.

PHOTOGRAPH 6: Conditions along North Sanderson Avenue.

PHOTOGRAPH 7: Conditions along Commonwealth Avenue.

PHOTOGRAPH 8: Potential jurisdictional feature at the southwestern intersection of West Esplanade Drive and Cawston Avenue North.

D180751.00

SOURCE: ESA, 2018

San Jacinto Valley Raw Water Conveyance

Attachment A
Site Photographs

ESA

PHOTOGRAPH 9: Potential jurisdictional feature at the northeastern intersection of West Esplanade Drive and Warren Road.

PHOTOGRAPH 10: Potential jurisdictional feature at the southeastern intersection of West Esplanade Drive and Warren Road.

PHOTOGRAPH 11: Potential jurisdictional feature at the northwestern intersection of Commonwealth Avenue and Tori Drive.

D180751.00

SOURCE: ESA, 2018

San Jacinto Valley Raw Water Conveyance

Attachment A
Site Photographs

ESA

ATTACHMENT B

CNDDB and CNPS Database Search Results

Selected Elements by Common Name

California Department of Fish and Wildlife

California Natural Diversity Database

Query Criteria: Quad IS (Sunnymead (3311782) OR El Casco (3311781) OR Beaumont (3311688) OR Cabazon (3311687) OR Lake Fulmor (3311677) OR San Jacinto (3311678) OR Lakeview (3311771) OR Perris (3311772) OR Romoland (3311762) OR Winchester (3311761) OR Hemet (3311668) OR Blackburn Canyon (3311667))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Alvin Meadow bedstraw *Galium californicum ssp. primum*	PDRUB0N0E6	None	None	G5T2	S2	1B.2
American badger *Taxidea taxus*	AMAJF04010	None	None	G5	S3	SSC
arroyo toad *Anaxyrus californicus*	AAABB01230	Endangered	None	G2G3	S2S3	SSC
Bell's sage sparrow *Artemisiospiza belli belli*	ABPBX97021	None	None	G5T2T3	S3	WL
black swift *Cypseloides niger*	ABNUA01010	None	None	G4	S2	SSC
burrowing owl *Athene cunicularia*	ABNSB10010	None	None	G4	S3	SSC
California beardtongue *Penstemon californicus*	PDSCR1L110	None	None	G3	S2	1B.2
California glossy snake *Arizona elegans occidentalis*	ARADB01017	None	None	G5T2	S2	SSC
California horned lark *Eremophila alpestris actia*	ABPAT02011	None	None	G5T4Q	S4	WL
California mountain kingsnake (San Bernardino population) *Lampropeltis zonata (parvirubra)*	ARADB19062	None	None	G4G5	S2?	WL
California Orcutt grass *Orcuttia californica*	PMPOA4G010	Endangered	Endangered	G1	S1	1B.1
California satintail *Imperata brevifolia*	PMPOA3D020	None	None	G4	S3	2B.1
California screw moss *Tortula californica*	NBMUS7L090	None	None	G2G3	S2S3	1B.2
Canyon Live Oak Ravine Forest *Canyon Live Oak Ravine Forest*	CTT61350CA	None	None	G3	S3.3	
chaparral sand-verbena *Abronia villosa var. aurita*	PDNYC010P1	None	None	G5T2?	S2	1B.1
Coachella Valley jerusalem cricket *Stenopelmatus cahuilaensis*	IIORT26010	None	None	G1G2	S1S2	
Coachella Valley milk-vetch *Astragalus lentiginosus var. coachellae*	PDFAB0FB97	Endangered	None	G5T1	S1	1B.2
coast horned lizard *Phrynosoma blainvillii*	ARACF12100	None	None	G3G4	S3S4	SSC

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
coast patch-nosed snake *Salvadora hexalepis virgultea*	ARADB30033	None	None	G5T4	S2S3	SSC
coastal cactus wren *Campylorhynchus brunneicapillus sandiegensis*	ABPBG02095	None	None	G5T3Q	S3	SSC
coastal California gnatcatcher *Polioptila californica californica*	ABPBJ08081	Threatened	None	G4G5T2Q	S2	SSC
coastal whiptail *Aspidoscelis tigris stejnegeri*	ARACJ02143	None	None	G5T5	S3	SSC
Cooper's hawk *Accipiter cooperii*	ABNKC12040	None	None	G5	S4	WL
Coulter's goldfields *Lasthenia glabrata ssp. coulteri*	PDAST5L0A1	None	None	G4T2	S2	1B.1
Crotch bumble bee *Bombus crotchii*	IIHYM24480	None	None	G3G4	S1S2	
Davidson's saltscale *Atriplex serenana var. davidsonii*	PDCHE041T1	None	None	G5T1	S1	1B.2
Desert Fan Palm Oasis Woodland *Desert Fan Palm Oasis Woodland*	CTT62300CA	None	None	G3	S3.2	
Dulzura pocket mouse *Chaetodipus californicus femoralis*	AMAFD05021	None	None	G5T3	S3	SSC
ferruginous hawk *Buteo regalis*	ABNKC19120	None	None	G4	S3S4	WL
golden eagle *Aquila chrysaetos*	ABNKC22010	None	None	G5	S3	FP
Icenogle's socalchemmis spider *Socalchemmis icenoglei*	ILARAU7020	None	None	G1	S1	
intermediate mariposa-lily *Calochortus weedii var. intermedius*	PMLIL0D1J1	None	None	G3G4T2	S2	1B.2
Jaeger's milk-vetch *Astragalus pachypus var. jaegeri*	PDFAB0F6G1	None	None	G4T2	S2	1B.1
Laguna Mountains jewelflower *Streptanthus bernardinus*	PDBRA2G060	None	None	G3G4	S3S4	4.3
Latimer's woodland-gilia *Saltugilia latimeri*	PDPLM0H010	None	None	G3	S3	1B.2
Lawrence's goldfinch *Spinus lawrencei*	ABPBY06100	None	None	G3G4	S3S4	
Le Conte's thrasher *Toxostoma lecontei*	ABPBK06100	None	None	G4	S3	SSC
least Bell's vireo *Vireo bellii pusillus*	ABPBW01114	Endangered	Endangered	G5T2	S2	
lemon lily *Lilium parryi*	PMLIL1A0J0	None	None	G3	S3	1B.2

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
little mousetail *Myosurus minimus ssp. apus*	PDRAN0H031	None	None	G5T2Q	S2	3.1
loggerhead shrike *Lanius ludovicianus*	ABPBR01030	None	None	G4	S4	SSC
long-spined spineflower *Chorizanthe polygonoides var. longispina*	PDPGN040K1	None	None	G5T3	S3	1B.2
Los Angeles pocket mouse *Perognathus longimembris brevinasus*	AMAFD01041	None	None	G5T1T2	S1S2	SSC
mesa horkelia *Horkelia cuneata var. puberula*	PDROS0W045	None	None	G4T1	S1	1B.1
Mojave tarplant *Deinandra mohavensis*	PDAST4R0K0	None	Endangered	G2	S2	1B.3
mud nama *Nama stenocarpa*	PDHYD0A0H0	None	None	G4G5	S1S2	2B.2
Munz's onion *Allium munzii*	PMLIL022Z0	Endangered	Threatened	G1	S1	1B.1
narrow-leaf sandpaper-plant *Petalonyx linearis*	PDLOA04010	None	None	G4	S3?	2B.3
northern harrier *Circus cyaneus*	ABNKC11010	None	None	G5	S3	SSC
northwestern San Diego pocket mouse *Chaetodipus fallax fallax*	AMAFD05031	None	None	G5T3T4	S3S4	SSC
orange-throated whiptail *Aspidoscelis hyperythra*	ARACJ02060	None	None	G5	S2S3	WL
pallid bat *Antrozous pallidus*	AMACC10010	None	None	G5	S3	SSC
pallid San Diego pocket mouse *Chaetodipus fallax pallidus*	AMAFD05032	None	None	G5T34	S3S4	SSC
Palm Springs round-tailed ground squirrel *Xerospermophilus tereticaudus chlorus*	AMAFB05161	None	None	G5T2Q	S2	SSC
Palmer's grapplinghook *Harpagonella palmeri*	PDBOR0H010	None	None	G4	S3	4.2
Palmer's mariposa-lily *Calochortus palmeri var. palmeri*	PMLIL0D122	None	None	G3T2	S2	1B.2
Parish's brittlescale *Atriplex parishii*	PDCHE041D0	None	None	G1G2	S1	1B.1
Parry's spineflower *Chorizanthe parryi var. parryi*	PDPGN040J2	None	None	G3T2	S2	1B.1
Payson's jewelflower *Caulanthus simulans*	PDBRA0M0H0	None	None	G4	S4	4.2
Plummer's mariposa-lily *Calochortus plummerae*	PMLIL0D150	None	None	G4	S4	4.2

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
purple martin *Progne subis*	ABPAU01010	None	None	G5	S3	SSC
quino checkerspot butterfly *Euphydryas editha quino*	IILEPK405L	Endangered	None	G5T1T2	S1S2	
red-diamond rattlesnake *Crotalus ruber*	ARADE02090	None	None	G4	S3	SSC
Riverside fairy shrimp *Streptocephalus woottoni*	ICBRA07010	Endangered	None	G1G2	S1S2	
Robinson's pepper-grass *Lepidium virginicum var. robinsonii*	PDBRA1M114	None	None	G5T3	S3	4.3
salt spring checkerbloom *Sidalcea neomexicana*	PDMAL110J0	None	None	G4	S2	2B.2
San Bernardino aster *Symphyotrichum defoliatum*	PDASTE80C0	None	None	G2	S2	1B.2
San Bernardino kangaroo rat *Dipodomys merriami parvus*	AMAFD03143	Endangered	None	G5T1	S1	SSC
San Diego banded gecko *Coleonyx variegatus abbotti*	ARACD01031	None	None	G5T3T4	S1S2	SSC
San Diego black-tailed jackrabbit *Lepus californicus bennettii*	AMAEB03051	None	None	G5T3T4	S3S4	SSC
San Diego desert woodrat *Neotoma lepida intermedia*	AMAFF08041	None	None	G5T3T4	S3S4	SSC
San Felipe monardella *Monardella nana ssp. leptosiphon*	PDLAM180F2	None	None	G4G5T2Q	S2	1B.2
San Jacinto mariposa-lily *Calochortus palmeri var. munzii*	PMLIL0D121	None	None	G3T3	S3	1B.2
San Jacinto Mountains bedstraw *Galium angustifolium ssp. jacinticum*	PDRUB0N04C	None	None	G5T2?	S2?	1B.3
San Jacinto Valley crownscale *Atriplex coronata var. notatior*	PDCHE040C2	Endangered	None	G4T1	S1	1B.1
slender-horned spineflower *Dodecahema leptoceras*	PDPGN0V010	Endangered	Endangered	G1	S1	1B.1
smooth tarplant *Centromadia pungens ssp. laevis*	PDAST4R0R4	None	None	G3G4T2	S2	1B.1
southern California rufous-crowned sparrow *Aimophila ruficeps canescens*	ABPBX91091	None	None	G5T3	S3	WL
Southern Coast Live Oak Riparian Forest *Southern Coast Live Oak Riparian Forest*	CTT61310CA	None	None	G4	S4	
Southern Cottonwood Willow Riparian Forest *Southern Cottonwood Willow Riparian Forest*	CTT61330CA	None	None	G3	S3.2	
southern grasshopper mouse *Onychomys torridus ramona*	AMAFF06022	None	None	G5T3	S3	SSC

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Southern Mixed Riparian Forest *Southern Mixed Riparian Forest*	CTT61340CA	None	None	G2	S2.1	
southern mountain yellow-legged frog *Rana muscosa*	AAABH01330	Endangered	Endangered	G1	S1	WL
southern mountains skullcap *Scutellaria bolanderi ssp. austromontana*	PDLAM1U0A1	None	None	G4T3	S3	1B.2
Southern Riparian Scrub *Southern Riparian Scrub*	CTT63300CA	None	None	G3	S3.2	
southern rubber boa *Charina umbratica*	ARADA01011	None	Threatened	G2G3	S2S3	
Southern Sycamore Alder Riparian Woodland *Southern Sycamore Alder Riparian Woodland*	CTT62400CA	None	None	G4	S4	
southwestern willow flycatcher *Empidonax traillii extimus*	ABPAE33043	Endangered	Endangered	G5T2	S1	
spiny-hair blazing star *Mentzelia tricuspis*	PDLOA031T0	None	None	G4	S2	2B.1
spreading navarretia *Navarretia fossalis*	PDPLM0C080	Threatened	None	G2	S2	1B.1
Stephens' kangaroo rat *Dipodomys stephensi*	AMAFD03100	Endangered	Threatened	G2	S2	
thread-leaved brodiaea *Brodiaea filifolia*	PMLIL0C050	Threatened	Endangered	G2	S2	1B.1
Townsend's big-eared bat *Corynorhinus townsendii*	AMACC08010	None	None	G3G4	S2	SSC
tricolored blackbird *Agelaius tricolor*	ABPBXB0020	None	Candidate Endangered	G2G3	S1S2	SSC
vernal pool fairy shrimp *Branchinecta lynchi*	ICBRA03030	Threatened	None	G3	S3	
western mastiff bat *Eumops perotis californicus*	AMACD02011	None	None	G5T4	S3S4	SSC
western pond turtle *Emys marmorata*	ARAAD02030	None	None	G3G4	S3	SSC
western spadefoot *Spea hammondii*	AAABF02020	None	None	G3	S3	SSC
western yellow bat *Lasiurus xanthinus*	AMACC05070	None	None	G5	S3	SSC
western yellow-billed cuckoo *Coccyzus americanus occidentalis*	ABNRB02022	Threatened	Endangered	G5T2T3	S1	
white rabbit-tobacco *Pseudognaphalium leucocephalum*	PDAST440C0	None	None	G4	S2	2B.2
white-bracted spineflower *Chorizanthe xanti var. leucotheca*	PDPGN040Z1	None	None	G4T3	S3	1B.2

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
white-faced ibis *Plegadis chihi*	ABNGE02020	None	None	G5	S3S4	WL
white-tailed kite *Elanus leucurus*	ABNKC06010	None	None	G5	S3S4	FP
Wright's trichocoronis *Trichocoronis wrightii var. wrightii*	PDAST9F031	None	None	G4T3	S1	2B.1
yellow warbler *Setophaga petechia*	ABPBX03010	None	None	G5	S3S4	SSC
yellow-breasted chat *Icteria virens*	ABPBX24010	None	None	G5	S3	SSC
yellow-headed blackbird *Xanthocephalus xanthocephalus*	ABPBXB3010	None	None	G5	S3	SSC
Yucaipa onion *Allium marvinii*	PMLIL02330	None	None	G1	S1	1B.2

Record Count: 109

CNPS California Native Plant Society

Plant List

Inventory of Rare and Endangered Plants

64 matches found. *Click on scientific name for details*

Search Criteria

Found in Quads 3311782, 3311781, 3311688, 3311772, 3311771, 3311678, 3311762, 3311761, 3311668, 3311687 3311677 and 3311667;

Modify Search Criteria | Export to Excel | Modify Columns | Modify Sort | Display Photos

Scientific Name	Common Name	Family	Lifeform	Blooming Period	CA Rare Plant Rank	State Rank	Global Rank
Abronia villosa var. aurita	chaparral sand-verbena	Nyctaginaceae	annual herb	(Jan)Mar-Sep	1B.1	S2	G5T2T3
Allium marvinii	Yucaipa onion	Alliaceae	perennial bulbiferous herb	Apr-May	1B.2	S1	G1
Allium munzii	Munz's onion	Alliaceae	perennial bulbiferous herb	Mar-May	1B.1	S1	G1
Artemisia palmeri	San Diego sagewort	Asteraceae	perennial deciduous shrub	(Feb)May-Sep	4.2	S3?	G3?
Astragalus lentiginosus var. borreganus	Borrego milk-vetch	Fabaceae	annual herb	Feb-May	4.3	S4	G5T5?
Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	Fabaceae	annual / perennial herb	Feb-May	1B.2	S1	G5T1
Astragalus pachypus var. jaegeri	Jaeger's bush milk-vetch	Fabaceae	perennial shrub	Dec-Jun	1B.1	S2	G4T2
Atriplex coronata var. notatior	San Jacinto Valley crownscale	Chenopodiaceae	annual herb	Apr-Aug	1B.1	S1	G4T1
Atriplex pacifica	South Coast saltscale	Chenopodiaceae	annual herb	Mar-Oct	1B.2	S2	G4
Atriplex parishii	Parish's brittlescale	Chenopodiaceae	annual herb	Jun-Oct	1B.1	S1	G1G2
Atriplex serenana var. davidsonii	Davidson's saltscale	Chenopodiaceae	annual herb	Apr-Oct	1B.2	S1	G5T1
Berberis nevinii	Nevin's barberry	Berberidaceae	perennial evergreen shrub	(Feb)Mar-Jun	1B.1	S1	G1
Brodiaea filifolia	thread-leaved brodiaea	Themidaceae	perennial bulbiferous herb	Mar-Jun	1B.1	S2	G2
Calochortus palmeri var. munzii	San Jacinto mariposa lily	Liliaceae	perennial bulbiferous herb	Apr-Jul	1B.2	S3	G3T3

Calochortus palmeri var. palmeri	Palmer's mariposa lily	Liliaceae	perennial bulbiferous herb	Apr-Jul	1B.2	S2	G3T2
Calochortus plummerae	Plummer's mariposa lily	Liliaceae	perennial bulbiferous herb	May-Jul	4.2	S4	G4
Calochortus weedii var. intermedius	intermediate mariposa lily	Liliaceae	perennial bulbiferous herb	May-Jul	1B.2	S2	G3G4T2
Caulanthus simulans	Payson's jewelflower	Brassicaceae	annual herb	(Feb)Mar-May(Jun)	4.2	S4	G4
Centromadia pungens ssp. laevis	smooth tarplant	Asteraceae	annual herb	Apr-Sep	1B.1	S2	G3G4T2
Chorizanthe leptotheca	Peninsular spineflower	Polygonaceae	annual herb	May-Aug	4.2	S3	G3
Chorizanthe parryi var. parryi	Parry's spineflower	Polygonaceae	annual herb	Apr-Jun	1B.1	S2	G3T2
Chorizanthe polygonoides var. longispina	long-spined spineflower	Polygonaceae	annual herb	Apr-Jul	1B.2	S3	G5T3
Chorizanthe xanti var. leucotheca	white-bracted spineflower	Polygonaceae	annual herb	Apr-Jun	1B.2	S3	G4T3
Clinopodium chandleri	San Miguel savory	Lamiaceae	perennial shrub	Mar-Jul	1B.2	S2	G2
Convolvulus simulans	small-flowered morning-glory	Convolvulaceae	annual herb	Mar-Jul	4.2	S4	G4
Deinandra mohavensis	Mojave tarplant	Asteraceae	annual herb	(May)Jun-Oct(Jan)	1B.3	S2	G2
Deinandra paniculata	paniculate tarplant	Asteraceae	annual herb	(Mar)Apr-Nov	4.2	S4	G4
Delphinium parishii ssp. subglobosum	Colorado Desert larkspur	Ranunculaceae	perennial herb	Mar-Jun	4.3	S4	G4T4
Delphinium parryi ssp. purpureum	Mt. Pinos larkspur	Ranunculaceae	perennial herb	May-Jun	4.3	S4	G4T4
Dodecahema leptoceras	slender-horned spineflower	Polygonaceae	annual herb	Apr-Jun	1B.1	S1	G1
Erythranthe diffusa	Palomar monkeyflower	Phrymaceae	annual herb	Apr-Jun	4.3	S3	G4
Erythranthe purpurea	little purple monkeyflower	Phrymaceae	annual herb	May-Jun	1B.2	S2	G2
Galium angustifolium ssp. jacinticum	San Jacinto Mountains bedstraw	Rubiaceae	perennial herb	Jun-Aug	1B.3	S2?	G5T2?
Galium californicum ssp. primum	Alvin Meadow bedstraw	Rubiaceae	perennial herb	May-Jul	1B.2	S2	G5T2
Harpagonella palmeri	Palmer's grapplinghook	Boraginaceae	annual herb	Mar-May	4.2	S3	G4
Holocarpha virgata ssp. elongata	graceful tarplant	Asteraceae	annual herb	May-Nov	4.2	S3	G5T3
Hordeum intercedens	vernal barley	Poaceae	annual herb	Mar-Jun	3.2	S3S4	G3G4
Horkelia cuneata var. puberula	mesa horkelia	Rosaceae	perennial herb	Feb-Jul(Sep)	1B.1	S1	G4T1

Hulsea vestita ssp. callicarpha	beautiful hulsea	Asteraceae	perennial herb	May-Oct	4.2	S4	G5T4
Imperata brevifolia	California satintail	Poaceae	perennial rhizomatous herb	Sep-May	2B.1	S3	G4
Juglans californica	Southern California black walnut	Juglandaceae	perennial deciduous tree	Mar-Aug	4.2	S3	G3
Lasthenia glabrata ssp. coulteri	Coulter's goldfields	Asteraceae	annual herb	Feb-Jun	1B.1	S2	G4T2
Lepechinia cardiophylla	heart-leaved pitcher sage	Lamiaceae	perennial shrub	Apr-Jul	1B.2	S2S3	G3
Lepidium virginicum var. robinsonii	Robinson's pepper-grass	Brassicaceae	annual herb	Jan-Jul	4.3	S3	G5T3
Lilium parryi	lemon lily	Liliaceae	perennial bulbiferous herb	Jul-Aug	1B.2	S3	G3
Lycium torreyi	Torrey's box-thorn	Solanaceae	perennial shrub	(Jan-Feb)Mar-Jun(Sep-Nov)	4.2	S3	G4G5
Mentzelia tricuspis	spiny-hair blazing star	Loasaceae	annual herb	Mar-May	2B.1	S2	G4
Microseris douglasii ssp. platycarpha	small-flowered microseris	Asteraceae	annual herb	Mar-May	4.2	S4	G4T4
Monardella nana ssp. leptosiphon	San Felipe monardella	Lamiaceae	perennial rhizomatous herb	Jun-Jul	1B.2	S2	G4G5T2Q
Myosurus minimus ssp. apus	little mousetail	Ranunculaceae	annual herb	Mar-Jun	3.1	S2	G5T2Q
Nama stenocarpa	mud nama	Namaceae	annual / perennial herb	Jan-Jul	2B.2	S1S2	G4G5
Navarretia fossalis	spreading navarretia	Polemoniaceae	annual herb	Apr-Jun	1B.1	S2	G2
Orcuttia californica	California Orcutt grass	Poaceae	annual herb	Apr-Aug	1B.1	S1	G1
Penstemon californicus	California beardtongue	Plantaginaceae	perennial herb	May-Jun(Aug)	1B.2	S2	G3
Petalonyx linearis	narrow-leaf sandpaper-plant	Loasaceae	perennial shrub	(Jan-Feb)Mar-May(Jun-Dec)	2B.3	S3?	G4
Pseudognaphalium leucocephalum	white rabbit-tobacco	Asteraceae	perennial herb	(Jul)Aug-Nov(Dec)	2B.2	S2	G4
Saltugilia latimeri	Latimer's woodland-gilia	Polemoniaceae	annual herb	Mar-Jun	1B.2	S3	G3
Scutellaria bolanderi ssp. austromontana	southern mountains skullcap	Lamiaceae	perennial rhizomatous herb	Jun-Aug	1B.2	S3	G4T3
Sidalcea neomexicana	salt spring checkerbloom	Malvaceae	perennial herb	Mar-Jun	2B.2	S2	G4
Sidotheca caryophylloides	chickweed oxytheca	Polygonaceae	annual herb	Jul-Sep(Oct)	4.3	S4	G4
Streptanthus bernardinus	Laguna Mountains jewelflower	Brassicaceae	perennial herb	May-Aug	4.3	S3S4	G3G4

Symphyotrichum defoliatum	San Bernardino aster	Asteraceae	perennial rhizomatous herb	Jul-Nov	1B.2	S2	G2
Tortula californica	California screw-moss	Pottiaceae	moss		1B.2	S2S3	G2G3
Trichocoronis wrightii var. wrightii	Wright's trichocoronis	Asteraceae	annual herb	May-Sep	2B.1	S1	G4T3

Suggested Citation

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Appendix CUL

San Jacinto Valley Raw Water Conveyance Facilities Project Cultural Resources Assessment Report

Public Version

San Jacinto Valley Raw Water Conveyance Facilities Project

Cultural Resources Assessment Report

Prepared for
Eastern Municipal Water District
2270 Trumble Road
Perris, CA 92572

Bureau of Reclamation
Southern California Area Office
277008 Jefferson Avenue, Suite 202
Temecula, CA 92590

April 2019

ESA

Public Version

San Jacinto Valley Raw Water Conveyance Facilities Project

Cultural Resources Assessment Report

April 2019

Prepared for:
Eastern Municipal Water District
2270 Trumble Road
Perris, CA 92572

Bureau of Reclamation
Southern California Area Office
277008 Jefferson Avenue, Suite 202
Temecula, CA 92590

Prepared by:
ESA
626 Wilshire Blvd. Suite 1100
Los Angeles, CA 90017

Principal Investigator:
Candace Ehringer, M.A., RPA

Report Authors:
Michael Vader, B.A.
Katherine Cleveland, M.A.
Chris Lockwood, Ph.D., RPA

Project Location:
Lakeview and San Jacinto (CA) USGS 7.5-minute Topographic Quads
Township 4 and 5 South, Range 1 West, Sections 5, 6, 31, and 32

Acreage: Approx. 63.6 acres

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This report contains confidential cultural resources location information and distribution of this report is restricted. Cultural resources are nonrenewable, and their scientific, cultural, and aesthetic values can be significantly impaired by disturbance. To deter vandalism, artifact hunting, and other activities that can damage cultural resources, the locations of cultural resources are confidential. The legal authority to restrict cultural resources information is in subdivision (r) of Section 6254 and Section 6254.10 of the California Government Code, subdivision (d) of Section 15120 of Title 14 of the California Code of Regulations, Section 304 of the National Historic Preservation Act of 1966, as amended, and Section 9 of the Archaeological Resources Protection Act.

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EXECUTIVE SUMMARY

San Jacinto Valley Raw Water Facilities Project - Cultural Resources Assessment Report

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (Project) in support of an Initial Study/Mitigated Negative Declaration (ISMND) pursuant to the California Environmental Quality Act (CEQA). The Project is a component of the San Jacinto Valley Water Banking Enhanced Recharge and Recovery Program (ERRP) and would provide a water conveyance system to work in conjunction with EMWD's existing facilities, providing additional groundwater recharge and banking capacity. EMWD is seeking federal funding for the Project from the U.S. Bureau of Reclamation (Reclamation). Because EMWD is seeking federal funding, the Project must comply with Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended. EMWD is the lead agency pursuant to CEQA and Reclamation is the lead federal agency responsible for carrying out the Section 106 process.

The Project is located along the southwestern margin of the San Jacinto Valley in western Riverside County and would extend east from the intersection of Warren Road and Esplanade Avenue in the City of San Jacinto into the City of Hemet along Sanderson Avenue and Commonwealth Avenue. EMWD is proposing the Project as the next element of the ERRP to be implemented, which would include construction of a 2.5-mile conveyance pipeline to provide increased capacity for imported raw water delivery to the Mountain Avenue recharge sites part of the ERRP and EMWD's Integrated Recharge and Recovery Program ponds. Proposed Project components include a connection to Metropolitan Water District's (MWD) Inland Feeder System Eastside Pipeline (referred to as the EM-25 service connection), a flow control facility, chlorine treatment facilities, and a 60-inch pipeline to convey the raw water from the connection point to the Hemet Water Filtration Plant (HWFP) near the intersection of Kirby Road and Commonwealth Avenue in the City of Hemet.

An Area of Potential Effects (APE) was established for the Project according to Section 106 of the NHPA in coordination with Reclamation. The 63.6-acre horizontal APE encompasses the construction footprints for the EM-25 service connection, the flow control and chlorine treatment facilities (Options 1 through 3), the optional staging areas, and the 2.5-mile-long raw water conveyance pipeline options. In addition, two historic properties (San Diego Aqueduct System [P-37-015734] and the Braswell Property [P-33-015749]) were identified as a result of the archival research and are included in the APE.

A records search encompassing the Project APE was conducted by staff at the California Historic Resources Inventory System (CHRIS) Eastern Information Center (EIC) on December 4, 2015 for the ERRP PEIR. Given that the records search conducted for the ERRP is less than 5 years old, the information is still current and relevant to the current analysis. The records search results indicate that 15 cultural resources studies have been conducted within a 0.5-mile radius of the APE, seven of which included portions of the APE. Approximately 25 percent of the 0.5-mile radius and 33 percent of the APE have been previously surveyed.

The records search results indicate that 10 cultural resources have been previously recorded within a 0.5-mile radius of the APE, including five prehistoric archaeological resources (P-33-001054, -002538, -002539, -002540, and -002541) and five historic architectural resources (P-33-007301, -007364, -015267, -015734, and -015749). Of these, two are located within the APE: The San Diego Aqueduct System (P-37-015734) and the Braswell Property (P-33-015749). The San Diego Aqueduct System was previously recommended eligible for listing in the National Register of Historic Places (NRHP) and California Register of Historical Resources (CRHR) under Criterion A/1 due to its association with the growth of San Diego. The Braswell Property residence was previously recommended ineligible for listing in the NRHP and CRHR; however, it was recommended eligible for local listing.

The results of a Sacred Lands File (SLF) search conducted by the California Native American Heritage Commission (NAHC) on August 27, 2018 indicates that cultural sites are present; however, no additional information regarding whether the sites are located within the APE or surrounding areas was provided. ESA conducted outreach to all Native American representatives indicated by the NAHC as affiliated with the APE. ESA sent outreach letters via certified mail on September 7, 2018 and conducted follow-up phone calls on September 14, 2018. Two tribes, the Morongo Band of Mission Indians and the Soboba Band of Luiseño Indians, responded that there are known resources in the vicinity of the APE. The results of all outreach is summarized in the *Archival Research* section of this report.

Letters soliciting information regarding historic-period resources within the APE were sent on September 17, 2018 to the Hemet Heritage Foundation, Hemet-San Jacinto Genealogical Society, and the Western Science Center. To date, no responses have been received.

A desktop geoarchaeological review was conducted to assess the potential for encountering subsurface prehistoric archaeological deposits during Project implementation. Based on the documented presence of archaeological sites within a 0.5-mile radius and ongoing alluvial deposition within the APE over the time frame of human presence in southern California, the APE is considered to have a high potential for the presence of prehistoric subsurface archaeological deposits. In light of the location of the previously recorded sites in the vicinity of APE, the western portion of the APE has a slightly higher likelihood of containing subsurface archaeological deposits than the eastern half.

A cultural resources survey was conducted on August 17, 2018. The San Diego Aqueduct System (P-33-015734) and the Braswell Property (P-33-015749) were inspected and photographed. Ground surface visibility ranged from 50 to 100 percent. Portions of the eastern half of the APE

were surrounded by residential and commercial development, and were subject to a reconnaissance-level (vehicle windshield) survey. Approximately 36.8 acres were subject to pedestrian survey, 0.7 acres were subject to opportunistic survey, 0.3 acres were subject to visual inspection, and approximately 25.8 acres were subject to a reconnaissance-level survey. No newly identified cultural resources were documented as a result of the survey.

Two historic properties/historical resources were identified within the APE: The San Diego Aqueduct System (P-33-015734) and the Braswell Property (P-33-015749). An analysis of the Project's potential to affect both resources concluded that neither will be adversely affected. No further work or mitigation is recommended for these two resources.

No archaeological resources were identified within the APE as a result of this assessment. However, the APE is highly sensitive for the presence of subsurface prehistoric archaeological deposits. Since the proposed Project includes ground disturbance to depths of up to 18 feet, there is a potential to encounter archaeological resources. Recommended mitigation measures, including the retention of a qualified archaeologist, cultural resources sensitivity training, construction monitoring, and inadvertent discovery protocols, are provided at the close of this report to ensure that there would be less than significant impacts to unknown archaeological resources and human remains under CEQA. The lead federal agency shall also be afforded the opportunity to review any discoveries in accordance with 36 CFR 800.13 – Post-review discoveries.

ESA recommends a finding of **No Adverse Effect to Historic Properties** for the Project.

SAN JACINTO VALLEY RAW WATER FACILITIES PROJECT

Cultural Resources Assessment Report

Introduction

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (Project) in support of an Initial Study/Mitigated Negative Declaration (ISMND) pursuant to the California Environmental Quality Act (CEQA). The Project is a component of the San Jacinto Valley Water Banking Enhanced Recharge and Recovery Program (ERRP) and would provide a water conveyance system to work in conjunction with EMWD's existing facilities, providing additional groundwater recharge and banking capacity. EMWD is seeking federal funding for the Project from the U.S. Bureau of Reclamation (Reclamation). Because EMWD is seeking Reclamation funding, the Project must comply with Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended. EMWD is the lead agency pursuant to CEQA and Reclamation is the lead federal agency responsible for carrying out the Section 106 process.

In 2017, ESA prepared a cultural resources assessment in support of the ERRP Final Program EIR (Vader et al., 2017). The Final Program EIR was certified by EMWD in June 2018. As part of the assessment, a program-level analysis of the Project was conducted that included a cultural resources records search prepared by the California Historical Resources Information System (CHRIS) Eastern Information Center (EIC). Because the Project was analyzed at the programmatic level as part of the ERRP cultural resources assessment, a cultural resources pedestrian survey of the Project footprint was not conducted. Based on the results of the previous cultural resources assessment, Mitigation Measures CUL-PMM-1 and -2 were incorporated into the ERRP Final Program EIR. These measures require the preparation of cultural resources assessments for all ERRP project-level components, and analyses of potential impacts to historic architectural resources and archaeological resources.

This report presents the results of the cultural resources assessment conducted pursuant to the ERRP Final Program EIR Mitigation Measures CUL-PMM-1 and -2, and is compliant with Section 106 of the NHPA. ESA personnel involved in the preparation of this report include: Candace Ehringer, M.A., RPA, Principal Investigator; Michael Vader B.A., report author and surveyor; Katherine Cleveland, M.A., architectural historian; Chris Lockwood, Ph.D., RPA, geoarchaeologist; and Jason Nielson, GIS specialist. Resumes of key personnel are included in **Appendix A**.

Project Location

The Project is located along the southwestern margin of the San Jacinto Valley in western Riverside County and would extend east from the intersection of Warren Road and Esplanade Avenue in the City of San Jacinto into the City of Hemet along and north of Sanderson Avenue and east on Commonwealth Avenue (**Figure 1**). Specifically, the Project is located within Sections 5, 6, 31, and 32 of Township 4 and 5 South, Range 1 West on the Lakeview, CA U.S. Geological Survey (USGS) 7.5-minute topographic quadrangle, and Section 5 of Township 5 South Range 1 West on the San Jacinto USGS 7.5-minute topographic quadrangle (**Figure 2**).

Project Description

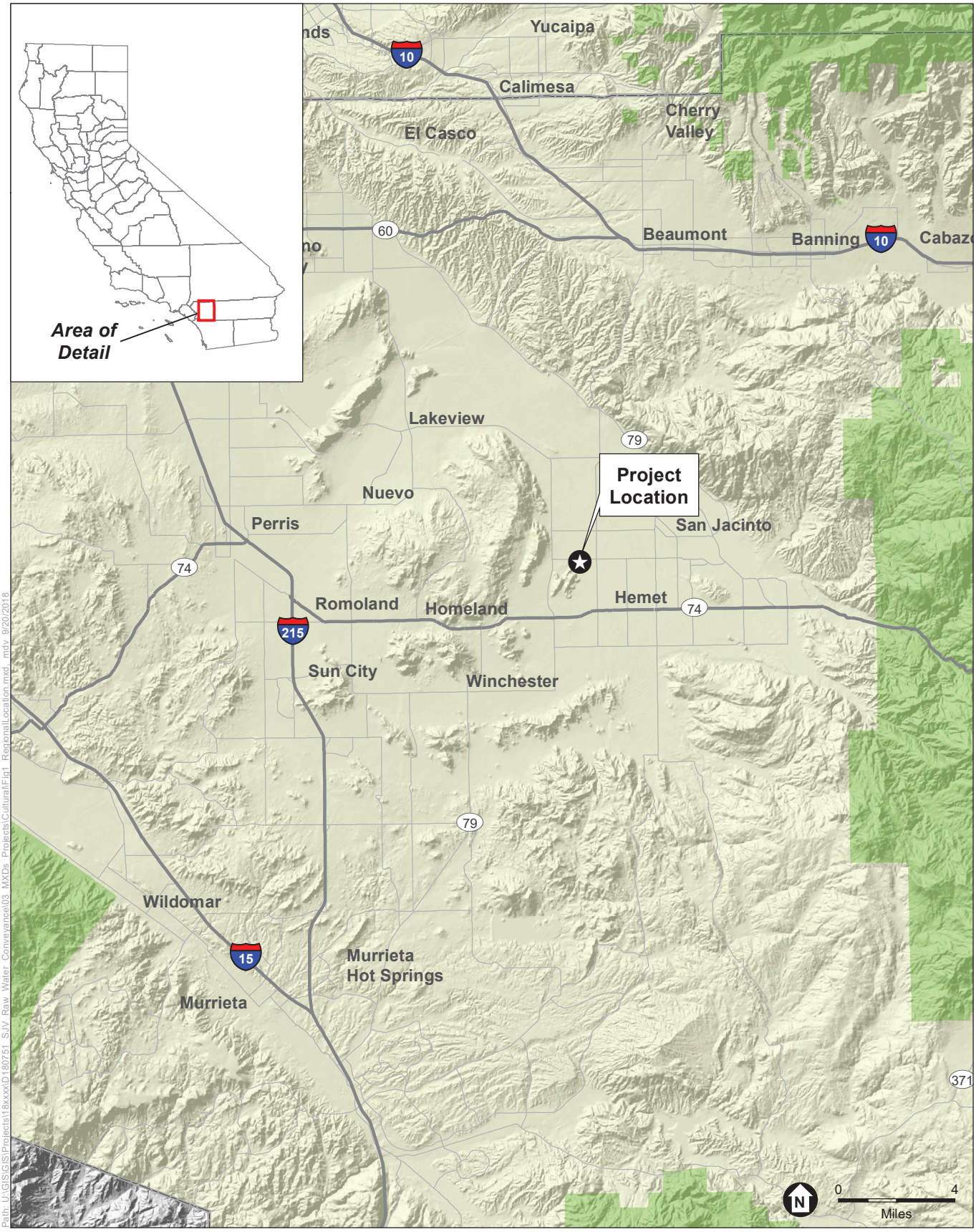
EMWD is proposing the Project as the next element of the ERRP, which includes construction of a 2.5-mile-long raw water conveyance pipeline to provide increased capacity for imported raw water delivery to the Mountain Avenue recharge sites that are part of the ERRP and EMWD's Integrated Recharge and Recovery Program (IRRP) ponds. The Project would deliver 42 cubic feet per second (cfs) of raw water to the ERRP recharge basins and IRRP ponds. Raw water would percolate into the underlying groundwater basin where it would be stored as groundwater. The stored groundwater could then be pumped out of the groundwater basin using existing or proposed extraction wells, and, if necessary, treated before delivery within the potable water system.

Project Components

Project components include a connection to Metropolitan Water District's (MWD) Inland Feeder System Eastside Pipeline (referred to as the EM-25 service connection), a flow control facility, chlorine treatment facilities, and a 60-inch raw water transmission pipeline to convey the raw water from the connection point to the Hemet Water Filtration Plant (HWFP) near the intersection of Kirby Road and Commonwealth Avenue in the City of Hemet (**Figure 3**). The following provides detailed descriptions of the Project components.

EM-25 Service Connection

The EM-25 service connection would be located within MWD-owned property along Esplanade Avenue northeast of the intersection with Warren Road in the City of San Jacinto. The service connection would be located entirely underground. The connection would consist of a turnout to allow transmission of raw water from MWD's 145.5-inch Inland Feeder System Eastside Pipeline to the proposed raw water conveyance pipeline. The turnout would consist of underground lighting, valves, and a flow meter. The turnout would be designed to MWD's standards, constructed by EMWD, and would be owned and operated by MWD. The depth of ground disturbance for the EM-25 service connection would be up to 12 feet below ground surface (bgs). A new meter would be required to provide low flow connection to ensure hydraulic reliability of the proposed pipeline. The meter, as well as lighting and valves, would be installed at the California Department of Water Resource's Devil Canyon facility and would include mechanical modifications, and would not involve any ground-disturbing activities.

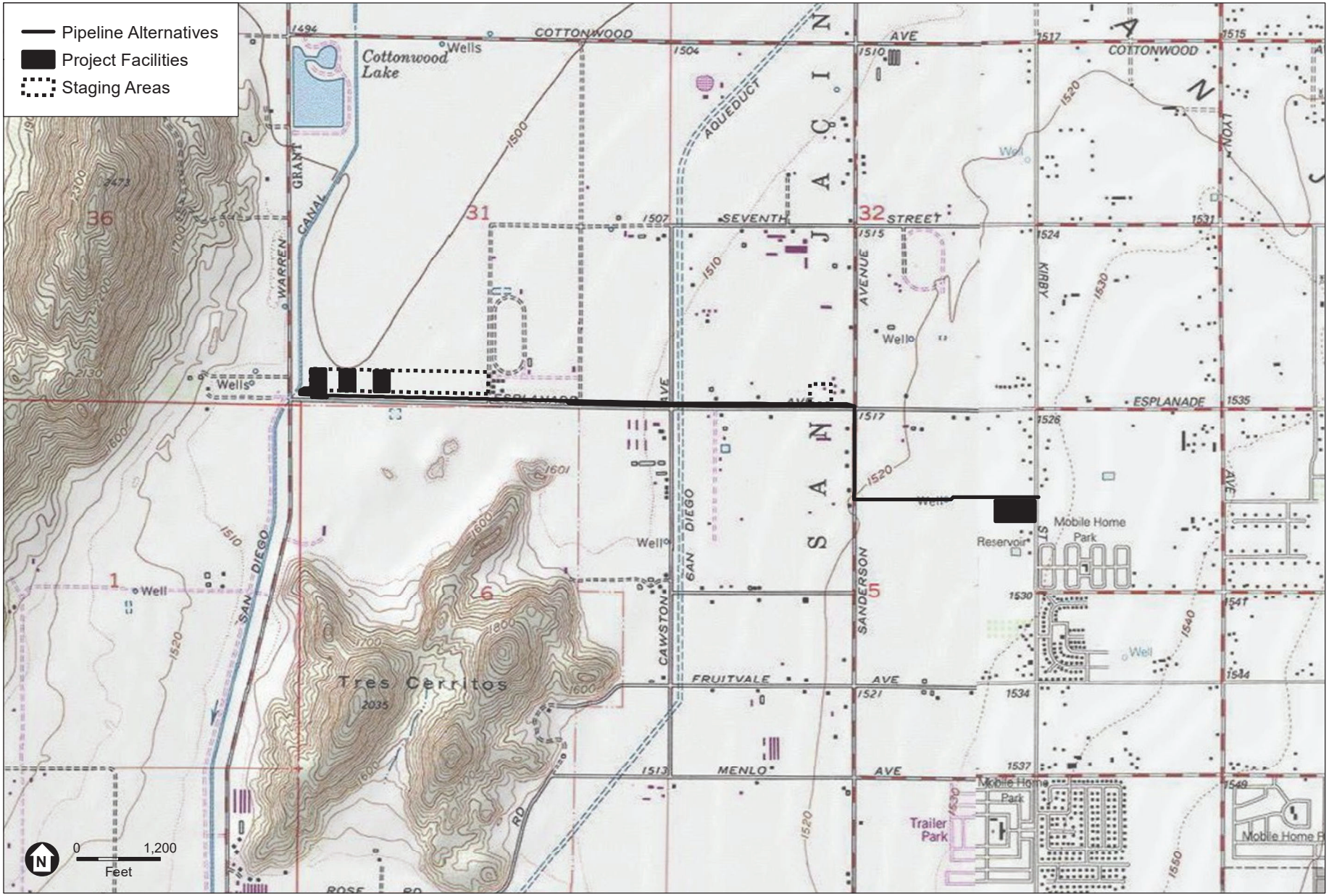


SOURCE: ESRI

San Jacinto Valley Raw Water Conveyance

Figure 1
Regional Location

ESA



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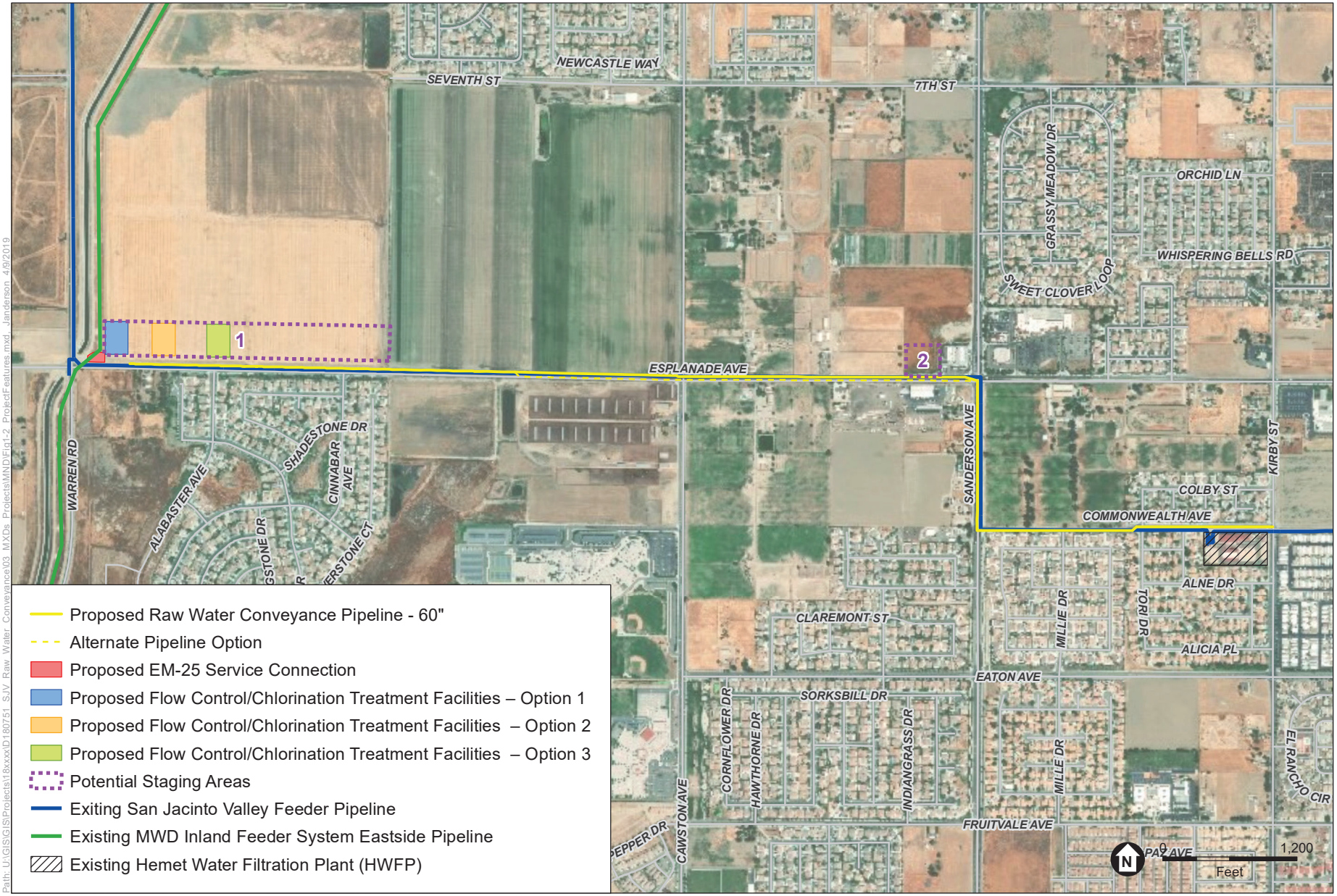
San Jacinto Valley Raw Water Conveyance

Figure 2
Project Location



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SOURCE: Mapbox

San Jacinto Valley Raw Water Conveyance

Figure 3

Project Components

ESA

Flow Control Facility

The flow control facility would be located on a 3-acre parcel along Esplanade Avenue. The facility would occupy 1.4 acres, and three options are proposed (Options 1 through 3) for the facility's location within the 3-acre parcel, and the remaining 1.6 acres of the parcel would be reserved for future facilities to support the raw water pipeline. Option 1 is the preferred location due to the proximity to the EM-25 service connection, although Options 2 and 3 are possible locations. The flow control facility would consist of a reinforced concrete slab on which the flow control valves, injection pumps, an analyzer, piping, and lighting would be installed above ground. The area around the flow control facility would be graded, paved, and surrounded by an 8-foot chain link fence or concrete block perimeter wall. The flow control facility would be designed, constructed, owned, and operated by EMWD. The depth of ground disturbance for the flow control facility would be up to 5 feet bgs.

Chlorine Treatment Facility

The chlorine treatment facility would be co-located within one of the three 1.4-acre parcels along Esplanade Avenue in which the flow control facility would be constructed. Treatment would be performed using chlorine or chloramine to neutralize pathogenic microorganisms. The chlorine treatment facility would consist of one 5,000-gallon sodium hypochlorite storage tank and injection pumps set on a concrete slab with a perimeter containment curb, a 12-foot high steel shade structure and chain-link fenced enclosure. The injection pumps would be enclosed within a structure that is designed to reduce noise. The depth of ground disturbance for the chlorine treatment facility would be up to 5 feet bgs.

Raw Water Conveyance Facilities

The proposed raw water conveyance pipeline would measure up to 60 inches in diameter with an estimated length of approximately 2.5 miles. The proposed raw water conveyance pipeline would be constructed within public rights-of-way and within property owned or acquired by EMWD. The alignment would be installed within the roadway right-of-way of Esplanade Avenue. Depending on the timing of the widening of that roadway by the City of San Jacinto, EMWD would construct the alignment within the current roadway right-of-way or future roadway right-of-way located immediately north of the current alignment (or a combination of both current and future, depending on the timing of both construction projects). The alignment would begin just north of the intersection of Esplanade Avenue and Warren Road starting at the proposed EM-25 service connection. The alignment would be located just north of the roadway alignment until the intersection with Sanderson Avenue, where the alignment would enter the Esplanade Avenue roadway right-of-way, travel south on Sanderson Avenue to Commonwealth Avenue, and east along Commonwealth Avenue to near the HWFP site at Kirby Street. Pipeline appurtenances (isolation valves, air vacuum/air release assemblies, blow-off assemblies, cathodic protection assemblies, manways and access manholes, and other appurtenances as required) would be installed above and below-grade along the pipeline route. The depth of ground disturbance for the raw water conveyance facility would extend up to 18 feet bgs. The width of trenching for the raw water conveyance pipeline would be 20 to 35 feet.

In certain infrequent cases, water within the raw water conveyance pipeline would be drained near the EM-25 connection when water is unavailable for recharge at the ERRP recharge facilities or IRRP ponds, or prior to a pipeline repair or maintenance activity. Drain water discharges could occur at any time of year. The pipeline would be designed to drain the entire Project reach in a controlled manner, with a total water volume of approximately 2 million gallons. Water would be drained from the pipeline to a sump pump wetwell installed adjacent to the flow control facility, and pumped via a mobile pump depending on location to one of the following receiving facilities:

- The San Diego Canal. Raw water would be discharged into the San Diego Canal, which is adjacent to the EM-25 service connection, flow control, and chlorination treatment facilities. A pipeline from the sump pump to the canal would be constructed underground with an outlet through the side of the concrete lined channel. The outlet would be constructed above the normal operating water surface of the San Diego Canal. A flap gate would be provided to prevent debris or other items from collecting within the discharge pipe. The volume associated with the infrequent drained water would be far below capacity within the San Diego Canal.
- City of San Jacinto Storm Drain facilities. Raw water would be discharged into the local drainage ditches adjacent to the Project site, or into new storm drain facilities once the Esplanade Avenue roadway alignment is widened. The volume associated with the infrequent drained water would be coordinated with the City of San Jacinto and Riverside County Flood Control, as necessary, to ensure any discharge is able to be accommodated by existing capacity.
- EMWD sewer system. Raw water would be discharged into the EMWD sewer system, with capacity far exceeding any infrequent discharge associated with the Project. A sewer manhole is located approximately 600 feet east of the EM-25 service connection within Esplanade Avenue.

Project Construction

Construction of the service connection, flow control, and chlorine treatment facilities would require a footprint of approximately 1.4 acres for construction (and subsequent operation). Construction would require use of work trucks, graders, earthmovers, backhoes, excavators, one full time water truck, vibratory compactors, and welding materials along with supporting equipment. Construction would entail site clearing/preparation, grading and excavation, facility installation, start up, and testing.

Construction of the proposed raw water conveyance pipeline would involve trenching using a conventional cut and cover technique. Dewatering may be required depending on location. Pipelines would be installed primarily within existing roadway right-of-ways and on property or easements owned by EMWD or acquired by EMWD. The trenching technique would include saw cutting of the pavement where applicable, trench excavation to a depth of up to 18 feet, pipe installation, backfill operations, and re-surfacing to the original condition.

The construction corridor would be wide enough to accommodate the trench and to allow for staging areas and vehicle access. Two potential offsite construction staging areas (Staging Areas 1 and 2) would be used for pipe lay-down, soil stockpiling, and equipment storage (see Figure 3).

Area of Potential Effects

An Area of Potential Effects (APE) was established for the Project according to Section 106 of the NHPA in coordination with Reclamation (**Figure 4**). An APE is defined as:

> "the geographic area or areas within which an undertaking may directly or indirectly cause alterations in the character or use of historic properties, if any such properties exist. The APE is influenced by the scale and nature of an undertaking and may be different for different kinds of effects caused by the undertaking" (36 Code of Federal Regulations [CFR] 800.16[d]).

The 63.6-acre horizontal APE encompasses the construction footprints for the EM-25 service connection, the flow control, and chlorine treatment facilities (Options 1 through 3), the optional staging areas, and the 2.5-mile-long raw water pipeline alignment options. In addition, two historic properties (San Diego Aqueduct System [P-37-015734] and the Braswell Property [P-33-015749]) were identified as a result of the archival research and are included in the APE (see the *Archival Research* section of this report for a description of these resources).

The vertical APE includes the anticipated maximum depth of ground disturbance of 18 feet below ground surface and the maximum height of the flow control facility which is estimated to be 12 feet.

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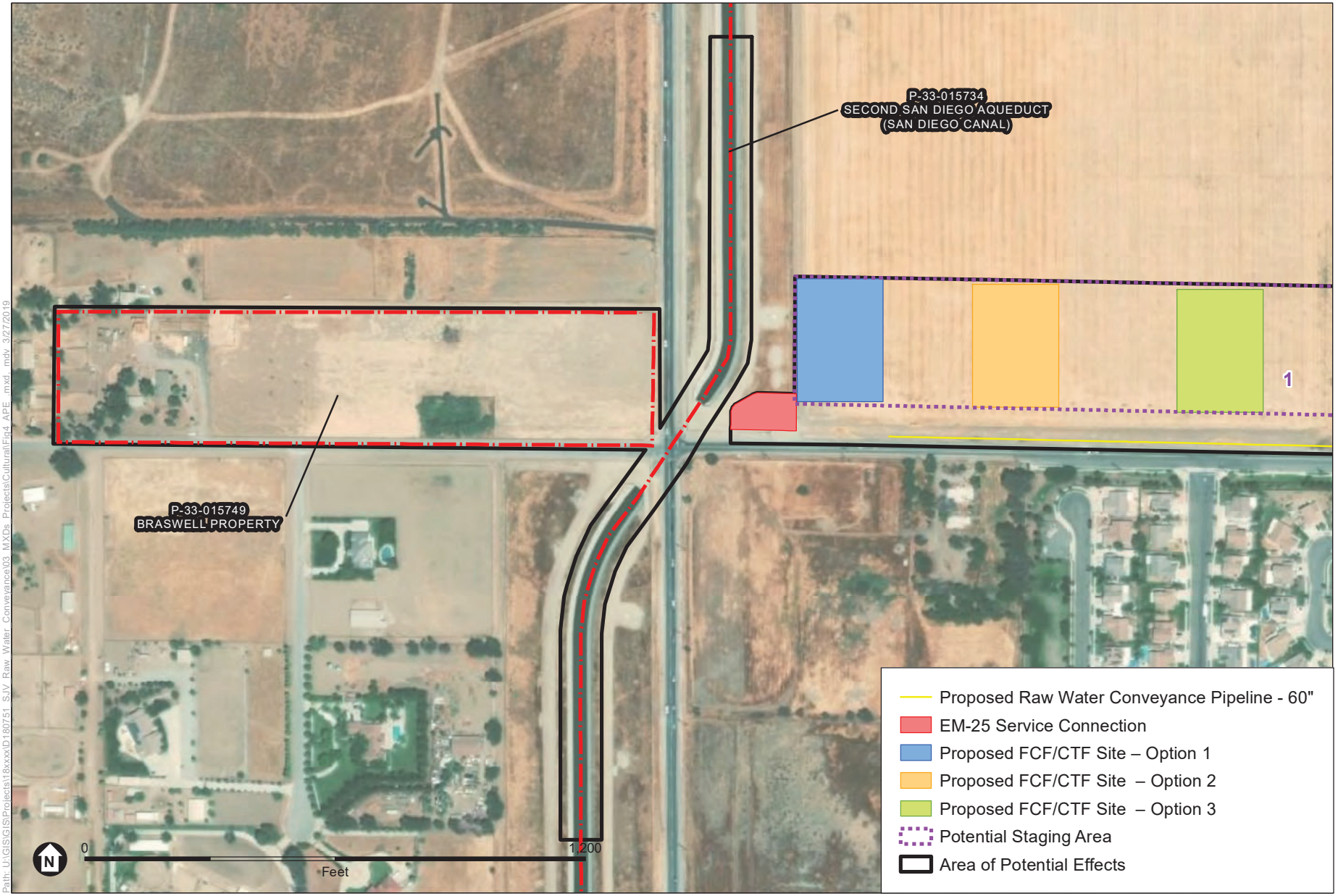
SOURCE: ESRI

San Jacinto Valley Raw Water Conveyance

Figure 4
Area of Potential Effects

ESA



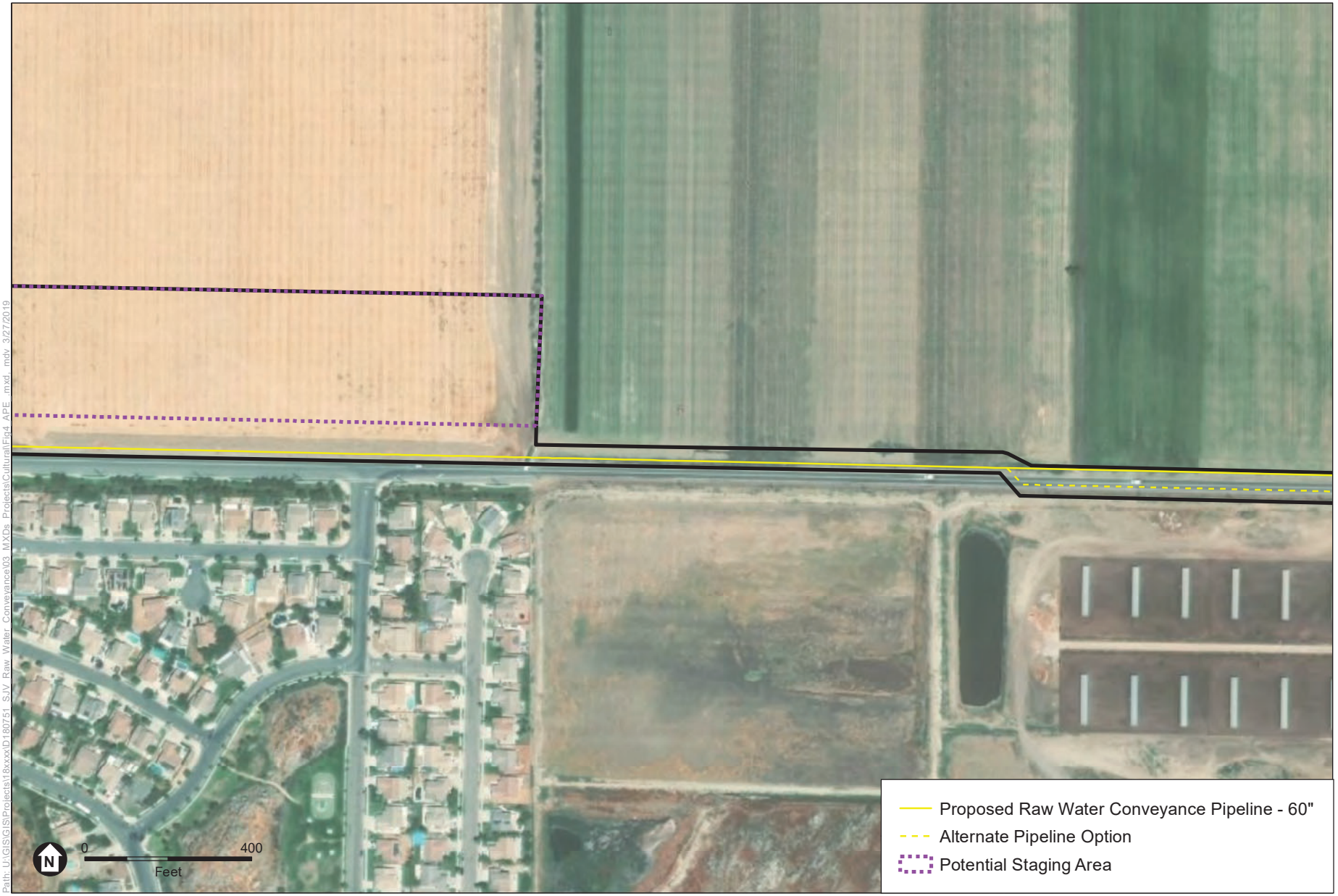
SOURCE: ESRI

San Jacinto Valley Raw Water Conveyance

Figure 4A

Area of Potential Effects

ESA



SOURCE: ESRI

San Jacinto Valley Raw Water Conveyance

Figure 4B

Area of Potential Effects

ESA

SOURCE: ESRI

San Jacinto Valley Raw Water Conveyance

Figure 4C

Area of Potential Effects

ESA

SOURCE: ESRI

San Jacinto Valley Raw Water Conveyance

Figure 4D

Area of Potential Effects

ESA

Setting

Natural Setting

The APE is located in the cities of San Jacinto and Hemet within the San Jacinto Valley of Western Riverside County, California. Regional geographic features surrounding the valley include the San Jacinto Mountains to the east and the Lakeview Mountains to the northwest. The climate in the region is Mediterranean, with dry summers and moderately wet winters. Plant communities typically found within the region include a mosaic of xeric habitats such as alluvial scrub and buckwheat scrub (ESA, 2017). The areas surrounding the APE are largely comprised of residential and commercial development associated with the cities of San Jacinto and Hemet, as well as dairies and agricultural fields.

Prehistoric Setting

The chronology of southern California is typically divided into three general time periods: the Early Holocene (11,000 to 8,000 Before Present [B.P.]), the Middle Holocene (8,000 to 4,000 B.P.), and the Late Holocene (4,000 B.P. to A.D. 1769). This chronology is manifested in the archaeological record by particular artifacts and burial practices that indicate specific technologies, economic systems, trade networks, and other aspects of culture.

Early Holocene (11,000 to 8,000 B.P.)

While it is not certain when humans first came to California, their presence in southern California by about 11,000 B.P. has been well documented. At Daisy Cave, on San Miguel Island, cultural remains have been radiocarbon dated to between 11,100 and 10,950 years B.P. (Byrd and Raab, 2007). On the mainland, radiocarbon evidence confirms occupation of the Orange County and San Diego County coast by about 9,000 B.P., primarily in lagoon and river valley locations (Gallegos, 2002). In western Riverside County, few Early Holocene sites are known to exist. One exception is site CA-RIV-2798, which contains deposits dating to as early as 8,580 cal. B.P. (Grenda, 1997). During the Early Holocene, the climate of southern California became warmer and more arid and the human population, residing mainly in coastal or inland desert areas, began exploiting a wider range of plant and animal resources (Byrd and Raab, 2007).

The primary Early Holocene cultural complex in coastal and inland southern California was the San Dieguito Complex, occurring between approximately 10,000 and 8,000 B.P. The people of the San Dieguito Complex inhabited the chaparral zones of southwestern California, exploiting the plant and animal resources of these ecological zones (Warren, 1967). Leaf-shaped and large-stemmed projectile points, scraping tools, and crescentics are typical of San Dieguito Complex material culture.

Middle Holocene (8,000 to 4,000 B.P.)

During the Middle Holocene, there is evidence for the processing of acorns for food and a shift toward a more generalized economy in coastal and inland southern California. The processing of plant foods, particularly acorns, increased, a wider variety of animals were hunted, and trade with neighboring regions intensified (Byrd and Raab, 2007).

The Middle Holocene La Jolla Complex (8,000 to 4,000 B.P.) is essentially a continuation of the San Dieguito Complex. La Jolla groups lived in chaparral zones or along the coast, often migrating between the two. Coastal settlement focused around the bays and estuaries of coastal Orange and San Diego Counties. La Jolla peoples produced large, coarse stone tools, but also produced well-made projectile points, and milling slabs. The La Jolla Complex represents a period of population growth and increasing social complexity, and it was also during this time period that the first evidence of the exploitation of marine resources and the grinding of seeds for flour appears, as indicated by the abundance of millingstones in the archaeological record (Byrd and Raab, 2007).

Contemporary with the La Jolla Complex, the Pauma Complex has been defined at coastal and adjacent inland sites in San Diego and Orange Counties, as well as in inland Riverside County (Caricco et al., 2003; True, 1958). The Pauma Complex is similar in technology to the La Jolla Complex; however, evidence of coastal subsistence is absent from Pauma Complex sites (Moratto, 1984). The Pauma and La Jolla Complexes may either be indicative of separate inland and coastal groups with similar subsistence and technological adaptations, or, alternatively, may represent inland and coastal phases of one group's seasonal rounds. The latter hypothesis is supported by the lack of deeply buried artifacts at Pauma sites, indicating that these sites may have been temporary camps for resource gathering and processing.

Late Holocene (4,000 B.P. to A.D. 1769)

During the Late Holocene, native populations of southern California were becoming less mobile and populations began to gather in small sedentary villages with satellite resource-gathering camps (Byrd and Raab, 2007). Evidence indicates that the overexploitation of larger, high-ranked food resources may have led to a shift in subsistence towards a focus on acquiring greater amounts of smaller resources, such as shellfish and small-seeded plants (Byrd and Raab, 2007).

Around 1,000 B.P., there was an episode of sustained drought, known as the Medieval Climatic Anomaly (MCA). While the effects of this environmental change on prehistoric populations are still being debated, it likely led to changes in subsistence strategies in order to deal with the substantial stress on resources (Jones and Schwitalla, 2008). In coastal southern California, beginning before the MCA but possibly accelerated by it, conditions became drier and many lagoons had been transformed into saltwater marshes. Because of this, populations abandoned coastal mesa and ridge tops to settle nearer to permanent freshwater resources (Gallegos, 2002).

Trade intensity reached its zenith in the Late Holocene, with asphaltum (tar), seashells and steatite being traded from southern California to the Great Basin. Major technological changes appeared as well, particularly with the advent of the bow and arrow, which largely replaced the use of the dart and atlatl (Byrd and Raab 2007). Small projectile points, ceramics, including Tizon brownware pottery, and obsidian from Obsidian Butte (Imperial County), are all representative artifacts of the Late Holocene.

It has been postulated that as early as 3,500 B.P., a Takic-speaking people arrived in coastal Los Angeles and Orange Counties, having migrated west from inland desert regions (Kroeber, 1925; Warren, 1968; Sutton, 2009). By around 1,500 to 1,000 B.P., Takic language and cultures

had spread to the south and inland to the east. These new arrivals, linguistically and culturally different from earlier coastal populations, may have brought new settlement and subsistence systems with them, along with other new cultural elements. This migration has been postulated as being a factor in several of the significant changes in material culture seen in the Late Holocene (such as the use of smaller projectile points and pottery), as well as the introduction of cremation as a burial practice.

The San Luis Rey culture (divided into San Luis Rey I [AD 1400 to 1750] and San Luis Rey II [AD 1750 to 1850]) represented the Late Period in southwestern Riverside County, northern San Diego County, southern Los Angeles County, and the interior mountains of Orange County (Meighan, 1954; Moratto, 1984). San Luis Rey I village sites contain manos (hand stones), metates (grinding slabs), bedrock mortars, shell artifacts, and triangular arrow points. In addition to these features, San Luis Rey II sites are characterized by the presence of pottery, pictographs, and the cremation of the dead (Moratto, 1984).

San Luis Rey settlement patterns in the upper San Luis Rey River drainage are typified by seasonally occupied lowland villages located in proximity to water sources, and highland villages occupied in the late summer and fall for acorn collection (True and Waugh, 1982). However, settlement patterns within southwestern Riverside County are less well known. The available information, stemming primarily from survey data, indicates that four primary site types existed within the region during the Late Period: field camps, resource procurement locations, residential bases, and villages (Mason, 1999). Resource procurement locations and field camps, the most common site types, contain a limited assemblage of artifacts and subsistence remains, primarily lithic debitage, some tools, fire affected rock, and small amounts of animal bones and charred seeds and nuts. This indicates that these types of sites were used primarily for focused activities and short-term occupancy.

Villages and residential bases, on the other hand, show evidence for long-term occupation by large groups of people. Villages were occupied year-round, while residential bases were occupied seasonally. Artifacts and features found at both village and residential bases, including large amounts of faunal and botanical remains, numerous high-quality tools, fire-affected rock, and anthrosols, indicate a wide range of activities (Mason, 1999). Bedrock mortars point to the processing of seeds and acorns, and ceremonial activities are evidenced by the presence of pictographs, petroglyphs, and cupules within village sites.

Ethnographic setting

Luiseño

The Luiseño were named after Mission San Luis Rey, to which many of them were relocated following its establishment in 1798. The language of the Luiseño people has been identified as belonging to the Cupan group of the Takic subfamily, which is part of the larger Uto-Aztecan language family (Bean and Shipek, 1978). Luiseño territory includes portions of northern San Diego, southern Orange, and Riverside counties, and would have encompassed a diverse environment including lagoons and marshes, coastal areas, inland river valleys, foothills, and mountains. The neighbors of the Luiseño to the north and northwest were the Juaneño,

Gabrielino, and Serrano; to the east were the Cahuilla and Cupeño; and to the south were the Kumeyaay.

The Luiseño subsisted on small game, coastal marine resources, and a wide variety of plant foods such as grass seeds and acorns. Luiseño houses were conical thatched reed, brush, or bark structures. The Luiseño inhabited permanent villages centered around patrilineal clans, with each village headed by a chief, or *not* (Sparkman, 1908). Seasonal camps associated with villages were also used. Each village or clan had an associated territory and hunting, collecting, and fishing areas. Villages were typically located in proximity to a food or water source, or in defensive locations, often near valley bottoms, streams, sheltered coves or canyons, or coastal strands (Bean and Shipek 1978). It is estimated that there may have been around 50 Luiseño villages with a population of about 200 each at the time of the first Spanish contact (Bean and Shipek, 1978).

Today, there are six federally recognized tribes in California who share Luiseño tribal affiliation, language, and culture, including the La Jolla Band of Luiseño Indians, Rincon Band of Luiseño Indians, Pauma Yuima Band of Mission Indians, Pechanga Band of Luiseño Indians, Pala Band of Mission Indians, and Soboba Band of Luiseño Indians.

Cahuilla

The Cahuilla spoke a language belonging to the Cupan group of the Takic subfamily (Bean, 1978). The Cahuilla are generally divided into three groups based on their geographic setting: The Pass Cahuilla of the Beaumont/Banning area; the Mountain Cahuilla of the San Jacinto and Santa Rosa Mountains; and the Desert Cahuilla from the Coachella Valley, as far south as the Salton Sea. The Cahuilla occupied territories that ranged from low or moderately low desert to the mountain regions of the Transverse and Peninsular ranges.

Villages were placed near canyons that received substantial precipitation or were adjacent to streams and springs (Bean, 1978). House structures of the Cahuilla ranged from “brush shelters to dome-shaped or rectangular structures 15-20 feet long” (Bean, 1978). The Cahuilla social structure revolved around clans and exogamous moieties (components connected through inter-marriage). Hunting, in conjunction with the exploitation of a variety of available resources, governed the Cahuilla subsistence strategy. The material culture of the Cahuilla was extensive and varied, and included pottery, ornamental items, and a number of knapped stone tools.

Prior to European contact, population estimates for the Cahuilla range from 3,600 to as high as 10,000 persons. Due to European diseases, such as smallpox, the Cahuilla population was decimated during the 19th century. However, unlike other Native American populations in southern California, the Cahuilla were able to retain their autonomy even after the arrival and increasing control of European explorers and the settling governments that followed. It was not until 1891 that the Cahuilla culture and its population began to succumb to the pressure of European and, later, United States governing bodies (Bean, 1978).

Today, there are nine federally recognized tribes in California who share Cahuilla tribal affiliation, language, and culture, including the Agua Caliente Band of Cahuilla Indians, Augustine Band of Cahuilla Indians, Cabazon Band of Mission Indians, Cahuilla Band of

Mission Indians, Los Coyotes Band of Cahuilla and Cupeño Indians, Morongo Band of Mission Indians, Ramona Band of Cahuilla Indians, Santa Rosa Band of Cahuilla Indians, and Torres-Martinez Desert Cahuilla Indians.

Historic Setting

Spanish Period (AD 1769 to 1821)

The first European presence in what is now southern California came in 1542, when Juan Rodriguez Cabrillo led an expedition along the coast. Europeans did not return until 1769, when the expedition of Gaspar de Portola traveled overland from San Diego to San Francisco. Juan Bautista de Anza was the first recorded European visitor to the area. He is credited with the discovery of an inland route from Sonora to the northern coast of California in 1774, bringing him through much of what is now known as Riverside County, via the San Jacinto Mountains (Rolle, 2003). With de Anza, the colonization of Alta California began in earnest. With the opening of the overland route, Spanish pueblos were established, evolving into the Spanish system of governance.

In the late 18th century, the Spanish began establishing missions in California and forcibly relocating and converting native peoples (Horne and McDougall, 2003). The purpose of the missions was to encourage, by any means necessary, the assimilation of Native populations to adopt the Spanish custom, language, and religion. The mission strategy relied upon an agricultural economy and as such, locations selected for the construction of a mission depended upon three factors: arable soil for crops, an adequate supply of fresh water, and a large local Indian population for labor (Rolle, 2003). Though no missions were built in the vicinity of the APE for the Project, Mission San Luis Rey, located in modern-day Oceanside approximately 40 miles southwest of the APE, established a cattle ranch in the San Jacinto Valley in 1820 (City of San Jacinto, 2015). The ranch was named for Saint Hyacinth, San Jacinto in Spanish, from which the valley took its name.

Mexican Period (AD 1821 to 1846)

In 1821 Mexico, which included much of present-day California, became independent from Spain, and during the 1820s and 1830s the California missions were secularized. Mission property was supposed to have been held in trust for the Native Californians, but instead was handed over to civil administrators and then into private ownership as land grants. The APE for the Project is located within the former San Jacinto Viejo land grant. The 35,500-acre land grant was bestowed upon Jose Antonia Estudillo in 1842 by Governor Pio Pico (City of San Jacinto, 2015). After secularization, many former Mission Indians were forced to leave the missions and seek employment as laborers, ranch hands, or domestic servants (Horne and McDougall, 2003).

American Period (AD 1846 to Present)

In 1846, the Mexican-American War broke out. Mexican forces were eventually defeated in 1847 and Mexico ceded California to the United States as part of the Treaty of Guadalupe Hildalgo in 1848. California officially became part of the United States in 1850. While the treaty recognized the right of Mexican citizens to retain ownership of land granted to them by Spanish or Mexican

authorities, the claimant was required to prove their right to the land before a patent was given. The process was lengthy and generally resulted in the claimant losing at least a portion of their land to attorney's fees and other costs associated with proving ownership (Starr, 2007).

When the discovery of gold in northern California was announced in 1848, a huge influx of people from other parts of North America flooded into California. As a result of the discovery of gold and the mass migration of fortune hunters to both southern and northern California, the population of the region exploded and development of urban areas grew. The transcontinental railroad came to the region in 1869, bringing industry and settlers to the area; the city of Riverside became the first of these colonized areas in what is now Riverside County. Cattle ranches were slowly replaced by citrus farming and agriculture, industries of major importance to the populace of the area now known as Riverside County.

Brief History of the APE and its Vicinity

San Jacinto

The Estudillo family owned the 35,500-acre Rancho San Jacinto Viejo, which encompassed much of the San Jacinto Valley. In the late 1860s, the family began selling off portions of their rancho, prompting the first American settlers to move into the valley. By 1868, a community developed on the south side of the valley, near the San Jacinto River, and by 1869, a school district was established (City of San Jacinto, 2015).

Sometime between 1868 and 1870, a Russian immigrant named Procco Akimo established the first general store in the region (City of San Jacinto, 2015). Akimo came to California via Canada in the 1850s after being exiled to Siberia for actions against the Czarist Russia regime, and became a naturalized citizen in 1859 (Ancestry.com, 2017; Johnson 2014; Oakland Tribune 1937). He settled in San Bernardino, marrying Irish-born Margaret Talbott in 1876 (Ancestry.com, 2014). His store was located on the west side of Hewitt Street, between Old 2nd Street and Evans Street (formerly Mountain Avenue) approximately 2.5 miles northeast of the APE (Johnson, 2014). It served as the local post office, courtroom, and public meeting place, forming the nucleus of the agricultural community that grew up around it (Johnson, 2014; Oakland Tribune 1937). A cluster of other businesses soon appeared, including a blacksmith shop, a livery stable, and a saloon, spurring the growth of the small community (Johnson, 2014). In 1878, Akimo sold his store to Henry T. Hewitt, described as "one of the most prominent and energetic pioneers of early San Jacinto" (Mathes and Brigandi, 2015; Warneke and Holzclaw, 2008).

In the mid-1880s, Hewitt rebuilt the property as the Palma Hotel, a 2-story brick building containing 52 rooms (The Daily Courier, 1888; Mathes and Brigandi, 2015). In 1882, a group of Los Angeles investors organized the San Jacinto Land Association, which acquired 15,000 acres of Rancho San Jacinto (City of San Jacinto, 2015). In 1883, they laid out a town site less than 2 miles from Hewitt's growing community. The two towns, known as "Old" San Jacinto, located approximately 2.5 miles east of the APE, and "New" San Jacinto, located approximately 1.85 miles east of the APE, vied to become the social and commercial centers of the valley. The issue was settled in 1888 when the Santa Fe railroad built a branch line into the valley from Perris,

which terminated in "New" San Jacinto (City of San Jacinto, 2015). "Old" San Jacinto, which was also known as Bowers, eventually faded away (Holmes, 1912). The new City of San Jacinto was incorporated that same year on April 9, 1888 (City of San Jacinto, 2015).

Hemet

In October 1886 Francisco Estudillo sold 3,000 acres of Rancho San Jacinto to Edward L. Mayberry, Albert H. Judson and Peter Potts. By December 1886, Mayberry, Judson and Potts had sold some of their interests in the Estudillo tract to Hancock M. Johnston and later that same month, the four men and a San Francisco capitalist friend of the Mayberry's, William Whittier, acquired another 3,000 acres adjacent to and east of the Estudillo tract from H.T. Hewitt (City of Hemet, n.d.). The purchase of the Hewitt property provided the basis for the formation of the Lake Hemet Company and the Hemet Land Company by Johnston, Judson, Mayberry and Whittier, the latter two holding the majority of stock in both companies (City of Hemet, n.d.). These two companies allowed the group to acquire land and water rights from San Jacinto Valley to Garner Valley in the San Jacinto Mountains (LHMWD, 2008). To provide a reliable water source to the region the Lake Hemet Water Company began building the dam that created Lake Hemet in 1891. When the dam was completed in 1895 it stood 122.5-feet tall and was the largest solid masonry dam in the world (LHMWD, 2008).

While the Hemet Dam was being built, the town of Hemet started to form. Edward L. Mayberry built a three-story brick hotel on Florida Avenue between Harvard Street and State Street, and William Whittier built a warehouse, an opera house, and business shops on North Harvard Street located approximately 2.5 miles southeast of the APE (City of Hemet, n.d.). In 1893, residences and businesses in the town of Hemet were buying domestic water from the Lake Hemet Water Company, and farmers were using irrigation water on their alfalfa fields, fruit orchards and row crops, particularly potatoes (City of Hemet, n.d.). In 1899 Whittier acquired full control of the Hemet Land Company and started the Bank of Hemet, built rental cottages, and established a water filtration system and a stage line to Idyllwild.

On January 11, 1910, residents of Hemet voted to incorporate the community as a city, and T.S. Brown was elected Hemet's first mayor. The character of Hemet began to change dramatically in the early 1960's with the development of Sierra Dawn, the county's first "mobile home subdivision" in which individual lots were sold. Other mobile home parks and retirement housing developments followed, and Hemet became well known as a retirement community (City of Hemet, n.d.).

San Diego Aqueduct System

The San Diego Aqueduct System includes two alignments, known as the First San Diego Aqueduct and the Second San Diego Aqueduct. The two alignments are composed of multiple pipelines with the First Aqueduct consisting of Pipelines 1 and 2 and the Second Aqueduct consisting of Pipelines 3, 4 and 5. Pipeline 1 of the First Aqueduct was constructed first and extends from MWD's Colorado River Aqueduct (CRA) near San Jacinto to the City of San Diego`s San Vicente Reservoir. The First San Diego Aqueduct was constructed as a result of the population boom experienced by San Diego during World War II. As the needs of the military and naval installations, war industries, and workers began to outstrip the local water supply the

need for imported water became imperative, with predictions that the region would run out of water by 1947 (Crawford, 2010). With San Diego's need for imported water becoming dire, President Franklin D. Roosevelt quickly authorized Reclamation to complete designs for an aqueduct to transport water from the San Jacinto Portal of the CRA, constructed in 1941, to San Diego. The Navy supervised the construction of the new aqueduct and the federal government bore the entire cost, estimated at $17,500,000 (Crawford, 2010).

Construction of Pipeline 1 began on September 12, 1945 and was scheduled to take 15 months to construct; however, work stoppages caused by labor unions, as well as the difficulty in finding enough manpower added 10 months to the undertaking (Crawford, 2010). When construction was completed in November 1947 and Pipeline 1 was in operation, the San Diego County Water Authority (Water Authority) recommended that the aqueduct immediately be enlarged to full capacity to protect the region from water shortages. Reclamation made the necessary studies and by January 1951, a report was submitted proposing the enlargement of the aqueduct to full capacity by the addition of Pipeline 2 to the aqueduct (Crawford, 2010). Pipeline 2, roughly paralleling the Pipeline 1, was designed and constructed by the Reclamation. The two pipelines share common tunnels and inverted siphons and operate as single units (Reclamation, 2012).

In 1956, the California State Legislature appropriated funds for a study to determine the most practical route for the Second San Diego Aqueduct. The report recommended that a canal section, about 30 miles long, with a capacity of 1,000 cfs, be constructed as the northerly portion of the aqueduct, beginning at the west portal of the San Jacinto Tunnel of the CRA, and extending to the vicinity of Auld Valley in Riverside County (Reclamation, 2012). The remainder of the proposed aqueduct, beginning at the end of the canal, was recommended to have a capacity ranging from 432 cfs at the upper end to 98 cfs at the terminus at Otay Reservoir in San Diego County (Reclamation, 2012). On January 15, 1957, the San Diego Water Authority approved the report on these investigations and proceeded with construction of Pipeline 3 of the Second San Diego Aqueduct, which was completed by 1960. In June 1966, the Water Authority contracted with MWD to provide engineering services for Pipeline 4 and by May 1968, the Water Authority commenced the final designs of the pipeline which was constructed between 1969 and 1970 (Reclamation, 2012). In 1982, Pipeline 5 was added to the Second San Diego Aqueduct.

Regulatory Framework

Numerous laws and regulations require federal, state, and local agencies to consider the effects a project may have on cultural resources. These laws and regulations stipulate a process for compliance, define the responsibilities of the various agencies proposing the action, and prescribe the relationship among other involved agencies.

Federal

National Historic Preservation Act

The principal federal law addressing historic properties is the NHPA, as amended (54 United States Code of Laws [USC] 300101 et seq.), and its implementing regulations (36 CFR Part 800). Section 106 requires a federal agency with jurisdiction over a proposed federal action (referred to

as an "undertaking" under the NHPA) to take into account the effects of the undertaking on historic properties, and to provide the Advisory Council on Historic Preservation (ACHP) an opportunity to comment on the undertaking.

The term "historic properties" refers to "any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register" (36 CFR Part 800.16(*l*)(1)). The implementing regulations (36 CFR Part 800) describe the process for identifying and evaluating historic properties, for assessing the potential adverse effects of federal undertakings on historic properties, and seeking to develop measures to avoid, minimize, or mitigate adverse effects. The Section 106 process does not require the preservation of historic properties; instead, it is a procedural requirement mandating that federal agencies take into account effects to historic properties from an undertaking prior to approval.

The steps of the Section 106 process are accomplished through consultation with the State Historic Preservation Officer (SHPO), federally-recognized Indian tribes, local governments, and other interested parties. The goal of consultation is to identify potentially affected historic properties, assess effects to such properties, and seek ways to avoid, minimize, or mitigate any adverse effects on such properties. The agency also must provide an opportunity for public involvement (36 CFR 800.1(a)). Consultation with Indian tribes regarding issues related to Section 106 and other authorities (such as NEPA and Executive Order No. 13007) must recognize the government-to-government relationship between the Federal government and Indian tribes, as set forth in Executive Order 13175, 65 FR 87249 (Nov. 9, 2000), and Presidential Memorandum of Nov. 5, 2009.

National Register of Historic Places

The NRHP was established by the NHPA of 1966, as "an authoritative guide to be used by federal, State, and local governments, private groups and citizens to identify the Nation's historic resources and to indicate what properties should be considered for protection from destruction or impairment" (36 CFR 60.2) (U.S. Department of the Interior, 2002). The National Register recognizes a broad range of cultural resources that are significant at the national, state, and local levels and can include districts, buildings, structures, objects, prehistoric archaeological sites, historic-period archaeological sites, traditional cultural properties, and cultural landscapes. As noted above, a resource that is listed in or eligible for listing in the National Register is considered "historic property" under Section 106 of the NHPA.

To be eligible for listing in the National Register, a property must be significant in American history, architecture, archaeology, engineering, or culture. Properties of potential significance must meet one or more of the following four established criteria:

A. Are associated with events that have made a significant contribution to the broad patterns of our history;

B. Are associated with the lives of persons significant in our past;

C. Embody the distinctive characteristics of a type, period, or method of construction or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or

D. Have yielded, or may be likely to yield, information important in prehistory or history.

In addition to meeting one or more of the criteria of significance, a property must have integrity. Integrity is defined as "the ability of a property to convey its significance" (U.S. Department of the Interior, 2002). The National Register recognizes seven qualities that, in various combinations, define integrity. The seven factors that define integrity are location, design, setting, materials, workmanship, feeling, and association. To retain historic integrity a property must possess several, and usually most, of these seven aspects. Thus, the retention of the specific aspects of integrity is paramount for a property to convey its significance.

Ordinarily religious properties, moved properties, birthplaces or graves, cemeteries, reconstructed properties, commemorative properties, and properties that have achieved significance within the past 50 years are not considered eligible for the National Register unless they meet one of the Criteria Considerations (A-G), in addition to meeting at least one of the four significance criteria and possessing integrity (U.S. Department of the Interior, 2002).

State

California Environmental Quality Act

CEQA is the principal statute governing environmental review of projects occurring in the state and is codified at *Public Resources Code (PRC) Section 21000 et seq.* CEQA requires lead agencies to determine if a proposed project would have a significant effect on the environment, including significant effects on historical or unique archaeological resources. Under CEQA (Section 21084.1), a project that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment.

The *CEQA Guidelines* (Title 14 California Code of Regulations [CCR] Section 15064.5) recognize that historical resources include: (1) a resource listed in, or determined to be eligible by the State Historical Resources Commission, for listing in the California Register of Historical Resources (CRHR); (2) a resource included in a local register of historical resources, as defined in PRC Section 5020.1(k) or identified as significant in a historical resource survey meeting the requirements of PRC Section 5024.1(g); and (3) any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California by the lead agency, provided the lead agency's determination is supported by substantial evidence in light of the whole record. The fact that a resource does not meet the three criteria outlined above does not preclude the lead agency from determining that the resource may be an historical resource as defined in PRC Sections 5020.1(j) or 5024.1.

If a lead agency determines that an archaeological site is a historical resource, the provisions of Section 21084.1 of CEQA and Section 15064.5 of the *CEQA Guidelines* apply. If an archaeological site does not meet the criteria for a historical resource contained in the *CEQA Guidelines*, then the site may be treated in accordance with the provisions of Section 21083, which is as a unique archaeological resource. As defined in Section 21083.2 of CEQA a "unique" archaeological resource is an archaeological artifact, object, or site, about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

- Contains information needed to answer important scientific research questions and there is a demonstrable public interest in that information;
- Has a special and particular quality such as being the oldest of its type or the best available example of its type; or,
- Is directly associated with a scientifically recognized important prehistoric or historic event or person.

If an archaeological site meets the criteria for a unique archaeological resource as defined in Section 21083.2, then the site is to be treated in accordance with the provisions of Section 21083.2, which state that if the lead agency determines that a project would have a significant effect on unique archaeological resources, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place (Section 21083.1(a)). If preservation in place is not feasible, mitigation measures shall be required. The *CEQA Guidelines* note that if an archaeological resource is neither a unique archaeological nor a historical resource, the effects of the project on those resources shall not be considered a significant effect on the environment (*CEQA Guidelines* Section 15064.5(c)(4)).

A significant effect under CEQA would occur if a project results in a substantial adverse change in the significance of a historical resource as defined in *CEQA Guidelines* Section 15064.5(a). Substantial adverse change is defined as "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of a historical resource would be materially impaired" (*CEQA Guidelines* Section 15064.5(b)(1)). According to *CEQA Guidelines* Section 15064.5(b)(2), the significance of a historical resource is materially impaired when a project demolishes or materially alters in an adverse manner those physical characteristics that:

A. Convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the CRHR; or

B. Account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in a historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or

C. Convey its historical significance and that justify its eligibility for inclusion in the CRHR as determined by a Lead Agency for purposes of CEQA.

In general, a project that complies with the *Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings* (Standards) (Grimmer, 2017) is considered to have mitigated its impacts to historical resources to a less-than-significant level (*CEQA Guidelines* Section 15064.5(b)(3)).

California Register of Historical Resources

The CRHR is "an authoritative listing and guide to be used by State and local agencies, private groups, and citizens in identifying the existing historical resources of the State and to indicate which resources deserve to be protected, to the extent prudent and feasible, from substantial adverse change" (PRC Section 5024.1[a]). The criteria for eligibility for the CRHR are based upon National Register criteria (PRC Section 5024.1[b]). Certain resources are determined by the statute to be automatically included in the CRHR, including California properties formally determined eligible for, or listed in, the National Register.

To be eligible for the CRHR, a prehistoric or historic-period property must be significant at the local, state, and/or federal level under one or more of the following four criteria:

1. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
2. Is associated with the lives of persons important in our past;
3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or
4. Has yielded, or may be likely to yield, information important in prehistory or history.

A resource eligible for the CRHR must meet one of the criteria of significance described above, and retain enough of its historic character or appearance (integrity) to be recognizable as a historical resource and to convey the reason for its significance. It is possible that a historic resource may not retain sufficient integrity to meet the criteria for listing in the National Register, but it may still be eligible for listing in the CRHR.

Additionally, the CRHR consists of resources that are listed automatically and those that must be nominated through an application and public hearing process. The CRHR automatically includes the following:

- California properties listed on the National Register and those formally determined eligible for the National Register;
- California Registered Historical Landmarks from No. 770 onward; and,
- Those California Points of Historical Interest that have been evaluated by the OHP and have been recommended to the State Historical Commission for inclusion on the CRHR.

Other resources that may be nominated to the CRHR include:

- Historical resources with a significance rating of Category 3 through 5 (those properties identified as eligible for listing in the National Register, the CRHR, and/or a local jurisdiction register);
- Individual historical resources;
- Historical resources contributing to historic districts; and,
- Historical resources designated or listed as local landmarks, or designated under any local ordinance, such as an historic preservation overlay zone.

California Health and Safety Code Section 7050.5

California Health and Safety Code Section 7050.5 requires that in the event human remains are discovered, the County Coroner be contacted to determine the nature of the remains. In the event the remains are determined to be Native American in origin, the Coroner is required to contact the NAHC within 24 hours to relinquish jurisdiction.

California Public Resources Code Section 5097.98

California PRC Section 5097.98, as amended by Assembly Bill 2641, provides procedures in the event human remains of Native American origin are discovered during project implementation. PRC Section 5097.98 requires that no further disturbances occur in the immediate vicinity of the discovery, that the discovery is adequately protected according to generally accepted cultural and archaeological standards, and that further activities take into account the possibility of multiple burials. PRC Section 5097.98 further requires the NAHC, upon notification by a County Coroner, designate and notify a Most Likely Descendant (MLD) regarding the discovery of Native American human remains. Once the MLD has been granted access to the site by the landowner and inspected the discovery, the MLD then has 48 hours to provide recommendations to the landowner for the treatment of the human remains and any associated grave goods.

In the event that no descendant is identified, or the descendant fails to make a recommendation for disposition, or if the land owner rejects the recommendation of the descendant, the landowner may, with appropriate dignity, reinter the remains and burial items on the property in a location that will not be subject to further disturbance.

California Government Code Sections 6254(r) and 6254.10

These sections of the California Public Records Act were enacted to protect archaeological sites from unauthorized excavation, looting, or vandalism. Section 6254(r) explicitly authorizes public agencies to withhold information from the public relating to "Native American graves, cemeteries, and sacred places maintained by the Native American Heritage Commission." Section 6254.10 specifically exempts from disclosure requests for "records that relate to archaeological site information and reports, maintained by, or in the possession of the Department of Parks and Recreation, the State Historical Resources Commission, the State Lands Commission, the NAHC another state agency, or a local agency, including the records that the agency obtains through a consultation process between a Native American tribe and a state or local agency."

Assembly Bill 52 and Related Public Resources Code Sections

Assembly Bill (AB) 52 was approved by California State Governor Edmund Gerry "Jerry" Brown, Jr. on September 25, 2014. The act amended California PRC Section 5097.94, and added PRC Sections 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2, and 21084.3. AB 52 applies specifically to projects for which a Notice of Preparation (NOP) or a Notice of Intent to Adopt a Negative Declaration or Mitigated Negative Declaration (MND) will be filed on or after July 1, 2015. The primary intent of AB 52 was to include California Native American Tribes early in the environmental review process and to establish a new category of resources related to Native Americans that require consideration under CEQA, known as tribal cultural resources. PRC Section 21074(a)(1) and (2) defines tribal cultural resources as "sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American Tribe" that are either included or determined to be eligible for inclusion in the CRHR or included in a local register of historical resources, or a resource that is determined to be a tribal cultural resource by a lead agency, in its discretion and supported by substantial evidence. On July 30, 2016, the California Natural Resources Agency adopted the final text for tribal cultural resources update to Appendix G of the CEQA Guidelines, which was approved by the Office of Administrative Law on September 27, 2016.

PRC Section 21080.3.1 requires that within 14 days of a lead agency determining that an application for a project is complete, or a decision by a public agency to undertake a project, the lead agency provide formal notification to the designated contact, or a tribal representative, of California Native American Tribes that are traditionally and culturally affiliated with the geographic area of the project (as defined in PRC Section 21073) and who have requested in writing to be informed by the lead agency (PRC Section 21080.3.1(b)). Tribes interested in consultation must respond in writing within 30 days from receipt of the lead agency's formal notification and the lead agency must begin consultation within 30 days of receiving the tribe's request for consultation (PRC Sections 21080.3.1(d) and 21080.3.1(e)).

PRC Section 21080.3.2(a) identifies the following as potential consultation discussion topics: the type of environmental review necessary; the significance of tribal cultural resources; the significance of the project's impacts on the tribal cultural resources; project alternatives or appropriate measures for preservation; and mitigation measures. Consultation is considered concluded when either: (1) the parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or (2) a party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached (PRC Section 21080.3.2(b)).

If a California Native American tribe has requested consultation pursuant to Section 21080.3.1 and has failed to provide comments to the lead agency, or otherwise failed to engage in the consultation process, or if the lead agency has complied with Section 21080.3.1(d) and the California Native American tribe has failed to request consultation within 30 days, the lead agency may certify an EIR or adopt an MND (PRC Section 21082.3(d)(2) and (3)).

PRC Section 21082.3(c)(1) states that any information, including, but not limited to, the location, description, and use of the tribal cultural resources, that is submitted by a California Native

American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public without the prior consent of the tribe that provided the information. If the lead agency publishes any information submitted by a California Native American tribe during the consultation or environmental review process, that information shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public.

Archival Research

EIC Records Search

A records search for the ERRP was conducted by staff at the EIC on December 4, 2015 as part of the previous cultural resources assessment prepared by ESA in 2017 (Vader et al., 2017). Given that the records search conducted for the ERRP is less than 5 years old, the information is still current and relevant to the current analysis. The ERRP records search encompassed the Project footprint, as well as a 0.5-mile records search radius, and included a review of all recorded cultural resources and cultural resources studies within the 0.5-mile radius study area. The California Points of Historical Interest (PHI), the California Historical Landmarks (CHL), the CRHR, the NRHP, the California State Historic Properties Directory (HPD) listings were also reviewed. The records search results are included in **Confidential Appendix B**.

Previous Cultural Resources Investigations

The records search results indicate that 15 cultural resources studies have been conducted within a 0.5-mile radius of the proposed Project's APE, seven of which included portions of the APE (**Table 1**). Approximately 25 percent of the 0.5-mile radius and 33 percent of the APE have been previously surveyed.

TABLE 1
PREVIOUS CULTURAL RESOURCES STUDIES WITHIN 0.5 MILES OF THE APE

Author	EIC # (RI-)	Title	Date
Applied Earthworks, Inc.	05103	*Cultural Resources Survey of Tentative Tract 30560, Hemet, California*	2002
Applied Earthworks, Inc.	05555	*Cultural Resources Survey of Tentative Tract 31184, Hemet, California*	2003
Crull, Scott	07523	*A Phase II Historic Resources Evaluation of P33-14910, The Shepard's House Church of the Nazarene, Located on the Property of APN: 431-270-018, at 24011 Warren Road, Near San Jacinto, Riverside County, California*	2008
Demcak, Carol R.	06944*	*Report of Phase I Archaeological Assessment of West Esplanade Project (APN'S 431-190-010 and 431-190-011), City of San Jacinto, Riverside County, California*	2006
Dudgeon-Commendador, Discovery Works, Inc.	06821	*Phase 1 Cultural Assessment for the Proposed Cawston Avenue Development Project, San Jacinto, Riverside County, California*	2006
George, Joan, Vanessa Mirro, and Elizabeth Dennison	08495*	*Supplemental Cultural Resources Survey Report: Cultural Resources in Southern San Jacinto Valley: Realign State Route 79 between Domenigoni Parkway and Gilman Springs Road in the Cities of Hemet and San Jacinto and the County of Riverside*	2010
Hogan, Michael and Bai Tang	08160*	*Historical/Archaeological Resources Survey Report San Jacinto Master Drainage Plan In and near the City of San Jacinto Riverside County, California*	2008

Author	EIC # (RI-)	Title	Date
Jones and Stokes Associates, Inc.	04404*	*Final Cultural Resources Inventory Report for the Williams Communications, Inc., Fiber Optic Cable System Installation Project, Riverside to San Diego, California Vol I – IV*	2000
Kyle, Carolyn and Allan J. Schilz	01991	*Archaeological Investigation for the San Diego Canal Enlargement Project, Riverside County, California*	1987
McKenna et. al.	04981*	*A Phase I Cultural Resources Survey of the Esplanade Specific Plan Project Area near Hemet, Riverside County, California*	2003
McKenna, Jeanette A.	05027	*A Phase I Cultural Resources Investigation of the Vesta Telecommunications, Inc. Fiber Optic Alignment, Riverside County to San Diego County, California*	2000
Tang, Bai, Michael Hogan, and Mariam Dahdul	06242	*Historical/Archaeological Resources Survey Report, Hemet/San Jacinto Water Treatment Plant Pipeline, in the Cities of Hemet and San Jacinto, Riverside County, California*	2004
Tibbet, Casey, Gini Austerman, and Bill Bell	07937*	*Cultural Resources Assessment: Hanson Stock Farm Project, 2158 Esplanade Avenue, City of Hemet, Riverside County, California*	2007
Tibbett, Casey	07938*	*Letter Report: Addendum to the Cultural Resources Assessment for the Hanson Stock Farm (LSA Project No. IND0701)*	2007
White, Robert S. and Laura S. White	05552	*A Cultural Resources Assessment of a 19.41 Acre Parcel As Shown on Tentative Track 31929, Southeast of the Intersection of Orchid Land and Kriby Street, City of San Jacinto, Riverside County, California*	2005

*Indicates study overlaps Project

Previously Recorded Cultural Resources

The records search results indicate that 10 cultural resources have been previously recorded within a 0.5-mile radius of the APE (**Table 2).** Of the 10 resources, five are prehistoric archaeological resources consisting of bedrock millings sites (P-33-001054, -002538, -002539, -002540, and -002541) and five are historic architectural resources (P-33-007301 [single-family residence], -007364 [single-family residence], -015267 [single-family residence], -015734 [San Diego Aqueduct System], and -015749 [Braswell Property]). Two resources are located within the APE: The San Diego Aqueduct System (P-37-015734) and the Braswell Property (P-33-015749). These two resources are described in detail following the table.

TABLE 2
PREVIOUSLY RECORDED RESOURCES WITHIN 0.5 MILES OF THE APE

Primary # (P-33-)	Permanent Trinomial (CA-RIV-)	Other Identifier	Description	Date Recorded	Eligibility
001054	1054	-	Prehistoric archaeological site: bedrock milling features, pictographs, and midden soil	1976	Not evaluated
002538	2538	-	Prehistoric archaeological site: bedrock milling features	1982	Not evaluated
002539	2539	-	Prehistoric archaeological site: bedrock milling features	1982	Not evaluated
002540	2540	-	Prehistoric archaeological site: bedrock milling features	1982	Not evaluated

Primary # (P-33-)	Permanent Trinomial (CA-RIV-)	Other Identifier	Description	Date Recorded	Eligibility
002541	2541	-	Prehistoric archaeological site: bedrock milling features	1982	Not evaluated
007301	-	-	Historic architectural resource: single family residence constructed in 1920	1981	Not evaluated
007364	-	-	Historic architectural resource: single family residence constructed in 1940	1981	Eligible for local listing
015267	-	-	Historic architectural resource: single family residence constructed in 1954	2006	Not eligible
015734	-	San Diego Aqueduct System	Historic architectural resource: San Diego Aqueduct	2005	Eligible for NRHP/CRHR
015749	-	Braswell Property	Historic architectural resource: single family residence constructed in 1952	2005	Eligible for local listing

Resource Descriptions

Resource P-33-015734 was originally recorded in 2005 as a historic architectural resource and consists of the San Diego Aqueduct System, which includes the First and Second San Diego Aqueduct (Easter and Beedle, 2005a). The San Diego Aqueduct System is comprised of the First San Diego Aqueduct and the Second San Diego Aqueduct constructed to transport water from the CRA to the city of San Diego. The San Diego Aqueduct System was previously recommended eligible for listing in the NRHP and CRHR under Criterion A/1 due to its association with the growth of San Diego (Easter and Beedle, 2005a). The First San Diego Aqueduct and the Second San Diego Aqueduct, which includes the San Diego Canal, are contributing elements of the San Diego Aqueduct system.

The First San Diego Aqueduct was constructed between 1947 and 1951 by Reclamation and is comprised of two underground pre-cast concrete pipelines. An underground segment of the First San Diego Aqueduct underlies the proposed raw water alignment just east of the intersection of Esplanade Avenue and Cawston Avenue and is not visible from the ground surface.

The Second San Diego Aqueduct was initially constructed in 1958-1959 by MWD, the current owner and operator. It is comprised of a below and above ground elements, and includes the San Diego Canal. The canal is comprised of double box siphons, over chutes, drainage ditches, and access roads. The generally north-south trending canal is largely surrounded by agricultural fields, though residential and commercial development have been constructed along the canal's span in the recent past (Easter and Beedle, 2005a). The San Diego Canal is located approximately 75 feet west of the proposed EM-25 service connection and raw water conveyance pipeline northeast of the intersection of Warren Road and Esplanade Avenue (see Figure 4A). It is also approximately 85 feet west of the proposed flow control and chlorine treatment facilities Option 1 (see Figure 4A).

Resource P-33-015749 was originally recorded in 2005 and is a one-story mid-century ranch style residence constructed in 1952 (Easter and Beedle, 2005b). The resource boundary was

defined based on parcel data and encompasses APN 432170023. The Braswell Property residence was recommended ineligible for listing in the NRHP and CRHR; however, it was recommended eligible for local listing (Easter and Beedle, 2005b). Several outbuildings, consisting of a garage, a non-functional reservoir, irrigation ditch, and covered well, were also identified on the property, but were not identified as eligible under national, state, or local criteria, and are not considered further in this report. The Braswell Property residence is located approximately 1,450 feet west of the proposed EM-25 service connection.

Historic Map and Aerial Photograph Review

Historic maps and aerial photographs were examined to provide historical information about the APE and to contribute to an assessment of the archaeological sensitivity of the APE. Available maps included the following: the 1901 Elsinore and San Jacinto 30-minute topographic quadrangles; the 1942 Perris 15-minute topographic quadrangle; the 1943 Banning 15-minute quadrangle; and the 1953 Lakeview and San Jacinto 7.5-minute topographic quadrangles. Historic aerial photographs of the APE were available for the years 1966, 1978, 1996, and 2012 (historicaerials.com, 2018).

The 1901 Elsinore and San Jacinto topographic maps show the communities of San Jacinto and Hemet, located approximately 1.75 miles northeast and 1 mile southeast of the APE, respectively. The communities are comprised of a grid of densely packed north-south and east-west oriented roads, with a number of structures and roads radiating outwards from the town centers. Some of the roads within which the raw water conveyance pipeline would be located are depicted on the maps (Esplanade Avenue and Sanderson Avenue). The area where present-day Commonwealth Avenue is located appears undeveloped. Options 1 through 3 and the potential staging area locations appear undeveloped.

The 1901 San Jacinto map also depicts two generally east-west trending canals, which are labeled as belonging to the San Jacinto and Pleasant Valley Canal Company. The northernmost canal is shown approximately 0.25 miles south of the APE, running generally parallel to present-day Eaton Avenue, and the southernmost canal is shown approximately 1-mile south of the APE, running in an east-west direction along the hills that border the Domenigoni Valley. The San Jacinto Division of the Southern California Railroad is depicted approximately 2 miles east of the APE.

The 1943 Banning topographic map indicates that the city of San Jacinto had expanded slightly by this time. The 1942 Perris topographic map depicts Esplanade Avenue and Sanderson Avenue. The area where present-day Commonwealth Avenue is located appears undeveloped. Options 1 through 3 and the potential staging area locations appear undeveloped.

The 1953 Lakeview and San Jacinto topographic maps show the San Diego Aqueduct bisecting the APE near the intersection of Cawston Avenue and Esplanade Avenue. The area where present-day Commonwealth Avenue is located appears undeveloped. Options 1 through 3 and the potential staging area locations appear undeveloped.

Aerial photographs indicate that the APE's vicinity was largely used for agricultural purposes from at least the mid-20th century onward; however, during the last decade of the 20th century, the southern and eastern portions of the APE became urbanized with the construction of a number of housing developments associated with the expansion of San Jacinto and Hemet. The 1966 and 1978 aerial photographs show the APE was largely surrounded by agricultural land. Options 1 through 3 and the potential staging area locations are shown as located within agricultural fields on all aerial photographs. Housing developments were constructed around the eastern portion of the APE between 1978 and 1996. Additional housing developments were constructed between 1996 and 2012 immediately south of the central and western portions of the APE.

In sum, the historic map and aerial photograph review indicates that the immediate vicinity around the APE was largely used for agricultural purposes throughout much of the 20th century, with residential development increasing during the latter decade of the 20th century and during the first decade of the 21st century.

Native American Outreach

Native American outreach was conducted for the Project by ESA in support of Reclamation's Section 106 consultation process. The outreach conducted by ESA is separate from the AB 52 consultation process being undertaken by EMWD in support of the IS/MND.

A Sacred Lands File (SLF) search for the Project was requested from the NAHC on August 27, 2018. The results letter provided by the NAHC on August 27, 2018 indicates that cultural sites are present, but did not provide additional details regarding the location of the cultural sites. The NAHC recommended contacting the Soboba Band of Luiseño Indians, the Los Coyotes Band of Cahuilla and Cupeño Indians, and Geraldine Ibanez[1] of the Torres-Martinez Desert Cahuilla Indians for more information. ESA conducted outreach to these tribes and all of the Native American contacts included on the NAHC contact list attached to the results letter.

ESA sent outreach letters via certified mail on September 7, 2018. The letters described the Project and included a map depicting the location of the APE. Recipients were requested to reply with any information concerning Native American cultural resources that might be affected by the proposed Project. Follow-up phone calls were conducted on September 14 and October 3, 2018, and follow-up emails were sent on October 3, 2018. **Table 3** provides a summary of ESA's outreach efforts. Documentation pertaining to Native American outreach is attached as **Appendix C**.

[1] An internet search for additional contact information for Ms. Ibanez indicated that she passed away in 2001.

TABLE 3
SUMMARY OF NATIVE AMERICAN OUTREACH

Contact	Tribe/Organization	Date Letter Mailed	Date of Follow-up Phone Call	Date of Follow-up Email	Response
Anthony Madrigal, Jr., Tribal Historic Preservation Officer	Twenty-Nine Palms Band of Mission Indians	9/7/18	9/14/18	N/A	Mr. Madrigal stated he received the outreach letter and would follow up with a response. Reponses received via e-mail on 9/17/18. The response is summarized below.
Anthony Morales, Chairperson	Gabrieleno/Tongva San Gabriel Band of Mission Indians	9/7/18	9/14/18	10/3/18	Left voicemail. No response to date.
Andrew Salas, Chairperson	Gabrieleno Band of Mission Indians - Kizh Nation	9/7/18	9/14/18	N/A	Mr. Salas stated that he defers to the Soboba, a tribal group located in closer proximity to the APE.
Amanda Vance, Chairperson	Augustine Band of Cahuilla Indians	9/7/18	9/14/18	No email address provided	Left message with Tribal Operations Manager. No response to date.
Bo Mazzetti, Chairperson	Rincon Band of Luiseño Indians	9/7/18	9/14/18	N/A	Left voicemail. Response received via email on 10/1/18. The response is summarized below.
Charles F. Wood, Chairperson	Chemehuevi Indian Tribe	9/7/18	9/14/18 10/3/18	N/A	Spoke with Mr. Wood, who mentioned that he has no comments or concerns about this Project.
Darrell Mike, Chairperson	Twenty-Nine Palms Band of Mission Indians	9/7/18	9/14/18	N/A	Left message with tribal staff, who indicated that Mr. Madrigal would speak with Mr. Mike. Reponses received via e-mail on 9/17/18. The response is summarized below.
Dennis Patch, Chairman	Colorado River Indian Tribes of the Colorado River Indian Reservation	9/7/18	9/14/18	10/3/18	Left voicemail. No response to date.
Daniel Salgado, Chairperson	Cahuilla Band of Indians	9/7/18	9/14/18	10/3/18	Left voicemail. No response to date.
Doug Welmas, Chairperson	Cabazon Band of Mission Indians	9/7/18	9/14/18	No email address provided	Left voicemail. No response to date.
Geraldine Ibanez	Torres-Martinez Desert Cahuilla Indians	9/7/18	9/14/18	N/A	Ms. Ibanez is deceased. SW Michael Mirelez of the Cultural Resources Department, who stated that the tribe defers to the Soboba.
Goldie Walker, Chairperson	Serrano Nation of Mission Indians	9/7/18	9/14/18 10/318	No email address provided	Called phone number provided but line was busy both times.

Contact	Tribe/Organization	Date Letter Mailed	Date of Follow-up Phone Call	Date of Follow-up Email	Response
Jeff Grubbe, Chairperson	Agua Caliente Band of Cahuilla Indians	9/7/18	9/14/18	N/A	Spoke with Mr. Grubbe's assistant, who requested the outreach letter be sent via email. Letter was emailed to Mr. Grubbe on 9/14/18. Lacy Padilla, archaeological technician for Agua Caliente, responded via a letter on 9/27/18 stating that Agua Caliente defers to Soboba.
Joseph Hamilton, Chairman	Ramona Band of Cahuilla	9/7/18	9/14/18	10/3/18	Left voicemail for John Gomez, the Ramona's point of contact for tribal outreach. No response to date.
Joseph Ontiveros, Cultural Resource Department	Soboba Band of Luiseño Indians	9/7/18	9/14/18	N/A	Spoke with Mr. Ontiveros, who requested the outreach letter be sent to him via email. Letter was emailed to Mr. Ontiveros on 9/14/18. Mr. Ontiveros replied by letter on 9/20/18. The response is summarized below.
Joyce Perry, Tribal Manager	Juaneño Band of Mission Indians Acjachemen Nation·	9/7/18	9/14/18	N/A	Spoke with Ms. Perry, who stated the Project is outside of Juaneño tribal territory and deferred to tribal groups in closer proximity to the APE.
Lee Clauss, CRM Department Director	San Manuel Band of Mission Indians	9/7/18	9/14/18	N/A	Left voicemail. Jessica Mauck, Cultural Resources Analyst, responded via letter on 9/26/18 stating the APE is located outside of the tribe's ancestral territory.
Lynn Valbuena	San Manuel Band of Mission Indians	9/7/18	9/14/18	N/A	Left voicemail. See response for Lee Clauss.
Matias Belardes, Chairperson	Juaneño Band of Mission Indians Acjachemen Nation	9/7/18	9/14/18	N/A	See response for Joyce Perry
Michael Jackson, Sr., President	Quechan Tribe of the Fort Yuma Indian Reservation	9/7/18	9/14/18	10/3/18	Spoke with tribal receptionist, who stated that Mr. Jackson no longer works for the tribe. Left VM for Virgil Smith, Tribal Vice President. No response to date.
Mark Macarro, Chairman	Pechanga Band of Luiseño Indians	9/7/18	9/14/18 10/3/18	10/3/18	Left voicemail. Also left VM for Ebru Ozdil, Cultural Resources Office.
Michael Mirelez, Cultural Resource Coordinator	Torres-Martinez Desert Cahuilla Indians	9/7/18	9/14/18	N/A	Spoke with Mr. Mirelez, who deferred to the Soboba.
Patricia Garcia-Plotkin, Tribal Historic Preservation Officer	Agua Caliente Band of Cahuilla Indians	9/7/18	9/14/18	10/3/18	Left voicemail. No response to date.

Contact	Tribe/Organization	Date Letter Mailed	Date of Follow-up Phone Call	Date of Follow-up Email	Response
Robert Martin, Chairperson	Morongo Band of Mission Indians	9/7/18	9/14/18	N/A	Spoke with Travis Armstrong, Tribal Historic Preservation Officer, who requested the outreach letter to be sent via email. Mr. Armstrong responded via letter on 9/14/18. The response is summarized below.
Robert H. Smith, Chairperson	Pala Band of Mission Indians	9/7/18	9/14/18	10/3/18	Transferred to Shasta Gaughen, Tribal Historic Preservation Officer. Left voicemail. No response to date
Sandonne Goad, Chairperson	Gabrielino/Tongva Nation	9/7/18	9/14/18	10/3/18	Left voicemail. No response to date.
Shane Chapparosa, Chairman	Los Coyotes Band of Cahuilla and Cupeño Indians	9/7/18	9/14/18	10/3/18	Left voicemail. No response to date.
Shasta Gaughen, Tribal Historic Preservation Officer	Pala Band of Mission Indians	9/7/18	9/14/18	10/3/18	Left voicemail. Shasta Gaughen responded via a letter dated 12/10/18 deferring to tribes in closer proximity to the APE
Sonia Johnston, Tribal Chairperson	Juaneño Band of Mission Indians	9/7/18	N/A	9/14/18	No phone number provided. Sent outreach letter via email. No response to date.
Steven Estrada, Chairman	Santa Rosa Band of Cahuilla Indians	9/7/18	9/14/18	No email address provided	Left message for Gaby Rubicabas, Santa Rosa's point of contact for tribal outreach. No response to date.
Tribal Council	San Luis Rey Band of Mission Indians	9/7/18	9/14/18		Spoke with Carmen Mojado, who stated the Project is outside of San Luis Rey's tribal territory.
Temet Aguilar, Chairperson	Pauma Band of Luiseño Indians	9/7/18	9/14/18	No email address provided	Left voicemail. Chris Devers, Cultural Liaison, responded via email on 8/2/18 deferring to Soboba.
Thomas Rodriguez, Chairperson	La Jolla Band of Luiseño Indians	9/7/18	9/14/18	N/A	Spoke with Mr. Rodriguez, who stated that the Project is outside La Jolla's tribal territory.
Teresa Romero, Chairwoman	Juaneño Band of Mission Indians Acjachemen Nation	9/7/18	9/14/18	10/3/18	Left voicemail. No response to date.
Timothy Williams, Chairperson	Fort Mojave Indian Tribe	9/7/18	9/14/18	No email address provided	Left message with tribal representative, who indicated Mr. Williams would follow up. No response to date.

In a letter dated September 14, 2018, Travis Armstrong, Tribal Historic Preservation Officer for the Morongo Band of Mission Indians, stated the APE is located within the tribe's territory or in an area considered to be a tribal use area. Mr. Armstrong stated the APE is located in an area of known Cahuilla cultural resources. He requested that the CHRIS records search results and the cultural resources assessment prepared for the Project be provided to the tribe, and that a Morongo tribal monitor be retained to monitor all ground-disturbing activities associated with the Project.

In an email dated September 17, 2018, Sarah Bliss, Cultural Resources Manager for the Twenty-nine Palms Band of Mission Indians, stated that tribe is not aware of additional cultural resources or cultural properties within the APE, and requested that the tribe's Tribal Historic Preservation Officer be contacted by the lead agency should inadvertent discoveries of archaeological materials occur during Project construction.

In a letter dated September 19, 2018, Joseph Ontiveros, Tribal Historic Preservation Officer for the Soboba Band of Luiseño Indians, stated the APE is within tribe's Traditional Use Area, is in close proximity to known sites, and is considered to be culturally sensitive. Mr. Ontiveros made the following requests: that consultation between the tribe and the lead agency be initiated; that the tribe be provided with information regarding the Project; that the tribe act as a consulting entity for the Project; that the tribe's monitors be present for cultural resources surveys and testing, and during Project construction; and that proper procedures be undertaken and that the tribe's requests be honored.

In emails dated September 24 and October 5, 2018, Bobby Ray Esparza, Cultural Coordinator for the Cahuilla Band of Indians, stated that the tribe does not know of cultural resources within the APE or its vicinity, but the APE is within their traditional land use area. Mr. Esparza requested that the tribe be notified of all updates and/or changes to the Project and that tribal monitors be present during Project construction.

In an email dated September 26, Jessica Mauck, Cultural Resources Analyst for the San Manuel Band of Mission Indians, stated that the Project is located outside of the Serrano's ancestral territory and the tribe declines consultation.

In a letter dated October 1, 2018, Destiny Colocho, Tribal Historic Preservation Officer for the Rincon Band of Luiseño Indians stated that the Luiseño placename, *Cháppava*, is located approximately 1 mile from the APE. Ms. Colocho recommended that a cultural study be conducted for the Project and requested that the study be provided to the tribe.

In an email dated October 2, 2018, Chris Devers, Cultural Liaison for the Pauma Band of Luiseño Indians, stated that the Project is located within Luiseño ancestral territory and that the tribe defers to the Soboba Band of Luiseño Indians regarding cultural resources within the vicinity of the APE.

In a letter dated December 10, 2018, Shasta Gaughen, Tribal Historic Preservation Officer for the Pala Band of Mission Indians, stated the APE is outside of tribe's Traditional Use Area and deferred to tribal groups located closer to the APE.

Historical Society Outreach

Letters soliciting information regarding historic-period resources within the APE were sent on September 17, 2018 to the Hemet Heritage Foundation, Hemet-San Jacinto Genealogical Society, and the Western Science Center. To date, no responses have been received. All correspondence is attached as **Appendix D**.

Geoarchaeological Review

A desktop geoarchaeological review was conducted by ESA geoarchaeologist, Chris Lockwood, Ph.D., RPA. Sources reviewed include geologic maps, soil maps, a geotechnical report prepared for the Project, and site records for the previously recorded prehistoric sites identified by the records search.

Geology

The APE is located within the San Jacinto Valley, west of the San Jacinto Mountains and the Casa Loma Fault and east of the Lakeview Mountains. It is within the Peninsular Ranges geomorphic province, which originated as a thick accumulation of marine sedimentary and volcanic rocks during the late Paleozoic (360-252 million years ago [mya]) and early Mesozoic (252-65 mya) era. The Peninsular Ranges are a series of steep, north-south oriented mountain ranges separated by valleys. The middle Cretaceous (145-66 mya) was characterized by significant mountain building, which was followed by metamorphosis and intrusion from igneous rock, and then erosion. During the late Cretaceous and Cenozoic (66 mya to present), sedimentary and volcanic rocks were deposited on the eroded surfaces (Lind and Evans, 2017; Woodford et al., 1971).

Structural blocks within the province are separated from one another by north-south trending faults, resulting in well-defined, low-lying troughs between the uplands. The APE is on the Perris Block, a structurally stable mass of Cretaceous-aged granite and metasedimentary basement rock. The block, which is bounded by the Santa Ana Block to the west, and the San Jacinto Block to the east, contains interior geological features, including low mountains and hills, bedrock plains, and valleys filled by eroded sediments.

Surface geological deposits underlying the APE are mapped as Late Pleistocene to Holocene (circa 20,000 to 25,000 years ago to present) alluvial fan and valley deposits (Bedrossian and Roffers, 2012; see also Dibblee and Minch, 2003). The deposits consist of sediments washed from Tres Cerritos West and Tres Cerritos East Mountains, which overlook the APE, as well as material eroded from the San Jacinto Mountains and transported by the San Jacinto River. The west half of the APE is mapped as young alluvial valley deposits consisting of unconsolidated to slightly consolidated, undissected to slightly dissected clay, silt, sand and gravel (Bedrossian and Roffers, 2012). The east half of the APE is mapped as young alluvial fan deposits consisting of unconsolidated to slightly consolidated, undissected to slightly dissected boulder, cobble, gravel, sand and silt deposits (Bedrossian and Roffers, 2012). A review (Lind and Evans, 2017) of geotechnical borings in the vicinity of the APE reveals predominantly sandy silt, silty sand and sand, consistent with geological mapping.

Soils

Mapped soils within the APE include Chino silt loam (NRCS, 1997); Traver fine sandy loam (NRCS, 2003); Grangeville fine sandy loam (NRCS, 1999a); and San Emigdio fine sandy loam (NRCS, 1999b). Each of these soil series is formed in granitic sedimentary parent material on alluvial fans and floodplains (NRCS, 2018). The typical soil profiles for Chino silt loam and San Emigdio fine sandy loam lack a recognized soil B-horizon, and are characterized by a plowed A-horizon developing directly from parent material (C-horizon). The absence of a B-horizon implies that the landforms are relatively young and consistent with a Holocene age. Gleying (blue or green coloration) of soils in the Grangeville series implies a past environment with inundation or ground saturation that created an anaerobic environment, such as a marsh.

Potential for Buried Resources

Recorded prehistoric archaeological sites within the EIC records search study area cluster exclusively near the western terminus of the APE. These resources may have been supported by springs, which likely attracted prehistoric peoples to the area. It is also possible this area supported a stream in the past, which would have attracted prehistoric peoples to the area. The previously recorded archaeological sites are processing sites containing milling slicks formed on exposed bedrock outcrops. Because the sites are known only from surface materials, little can be said regarding the potential for subsurface components; however, the persistence of the milling slicks at the surface for several hundreds to thousands of years implies a relatively slow rate of deposition.

Based on the documented presence of archaeological sites within a 0.5-mile radius and ongoing alluvial deposition within the APE over the time frame of human presence in southern California, the APE is considered to have a high potential for the presence of prehistoric subsurface archaeological deposits. In light of the location of the previously recorded sites in the vicinity of APE, the western portion of the APE has a slightly higher likelihood of containing subsurface archaeological deposits than the eastern half.

Cultural Resources Survey

Methods

A cultural resources survey was conducted on August 17, 2018 and April 2, 2019 by ESA staff, Michael Vader, B.A. The August 2018 survey covered the majority of the Project components. The April 2019 survey was conducted to cover an approximately 60-foot-wide area encompassing the northern portions of chlorine treatment facilities Options 1-3 and staging area 1, the footprint for which were shifted north as a result of Project re-design after the original August 2018 survey was conducted. The survey was aimed at identifying historic architectural resources and archaeological resources within or immediately adjacent to the APE. Areas with visible ground surface were subject to pedestrian survey using transect intervals spaced no more than 15 meters (approximately 50 feet) apart. Portions of the APE with dense vegetation were subject to opportunistic survey wherein clearings were intensively inspected for the presence of cultural resources. Portions of the APE located within existing road rights-of-way were subject to a reconnaissance-level (vehicle windshield) survey in developed areas to identify areas of exposed

ground surface road shoulders. Areas with visible ground surface along the road shoulders were subject to pedestrian survey. Approximately 36.8 acres were subject to pedestrian survey, 0.7 acres were subject to opportunistic survey, 0.3 acres were subject to visual inspection, and approximately 25.8 acres were subject to a reconnaissance-level survey. **Figure 5** depicts survey coverage of the APE. No subsurface investigation was performed and no artifacts were collected during the survey.

Results

Survey conditions within the APE varied based on the degree of surrounding agricultural, commercial and residential development. The flow control and chlorine treatment facilities Options 1-3 staging areas 1 and 2, and approximately 2,580 feet of proposed raw water conveyance pipeline were located in open fields and subject to systematic pedestrian survey. During the August 2018, the field in which the proposed flow control and chlorine treatment facilities Options 1-3 and staging area 1 would be located was fallow with no vegetation present and had 100 percent ground surface visibility (**Figure 6**). During the April 2019 survey, the northern approximately 60 feet of the chlorine treatment facilities Options 1-3 and staging area 1 were covered by an active agricultural field with knee-high alfalfa that reduced ground surface visibility to 0-10 percent (Figure 6). The field in which staging area 2 would be located was covered in knee-high non-native grasses, which partially obscured the ground surface, reducing visibility to 50 percent (**Figure 7**). An approximately 1,125-foot-long segment of the proposed raw water conveyance pipeline was located in an active agricultural field planted in ankle to knee-high alfalfa (Figure 7). This area was subject to an opportunistic survey. The EM-25 service connection is located just beyond the fenced corridor surrounding the San Diego Canal and could not be accessed during the survey; however, the proposed location was visually inspected during the survey and the ground surface was clear of vegetation resulting in 100 percent visibility (**Figure 8**). The western half of the proposed raw water conveyance pipeline was generally surrounded by agricultural fields and diaries, and the road shoulders were subject to pedestrian survey (Figure 8). Much of the eastern half of the proposed pipeline was surrounded by residential and commercial development; the road shoulders were paved and were subject to a reconnaissance-level survey.

The two cultural resources, the San Diego Aqueduct System (P-33-015734) and the Braswell Property (P-33-015749), were photographed (**Figure 9**). The only portion of the San Diego Aqueduct System that is visible on the surface is the San Diego Canal, which was photographed. The remainder of the system is below ground at this location and not visible to surveyors. The San Diego Canal was fenced and access was restricted; however, it was inspected from adjacent portions of the APE and the public right-of-way. Similarly, the Braswell Property is privately owned and could not be accessed, but it was inspected from the public right-of-way and it was confirmed that the structures associated with the property are located 650 to 1,450 feet west of Project components. Both resources appear to match previous descriptions provided in their respective California Department of Parks and Recreation (DPR) 523 forms. No newly identified cultural resources were documented as a result of the survey.

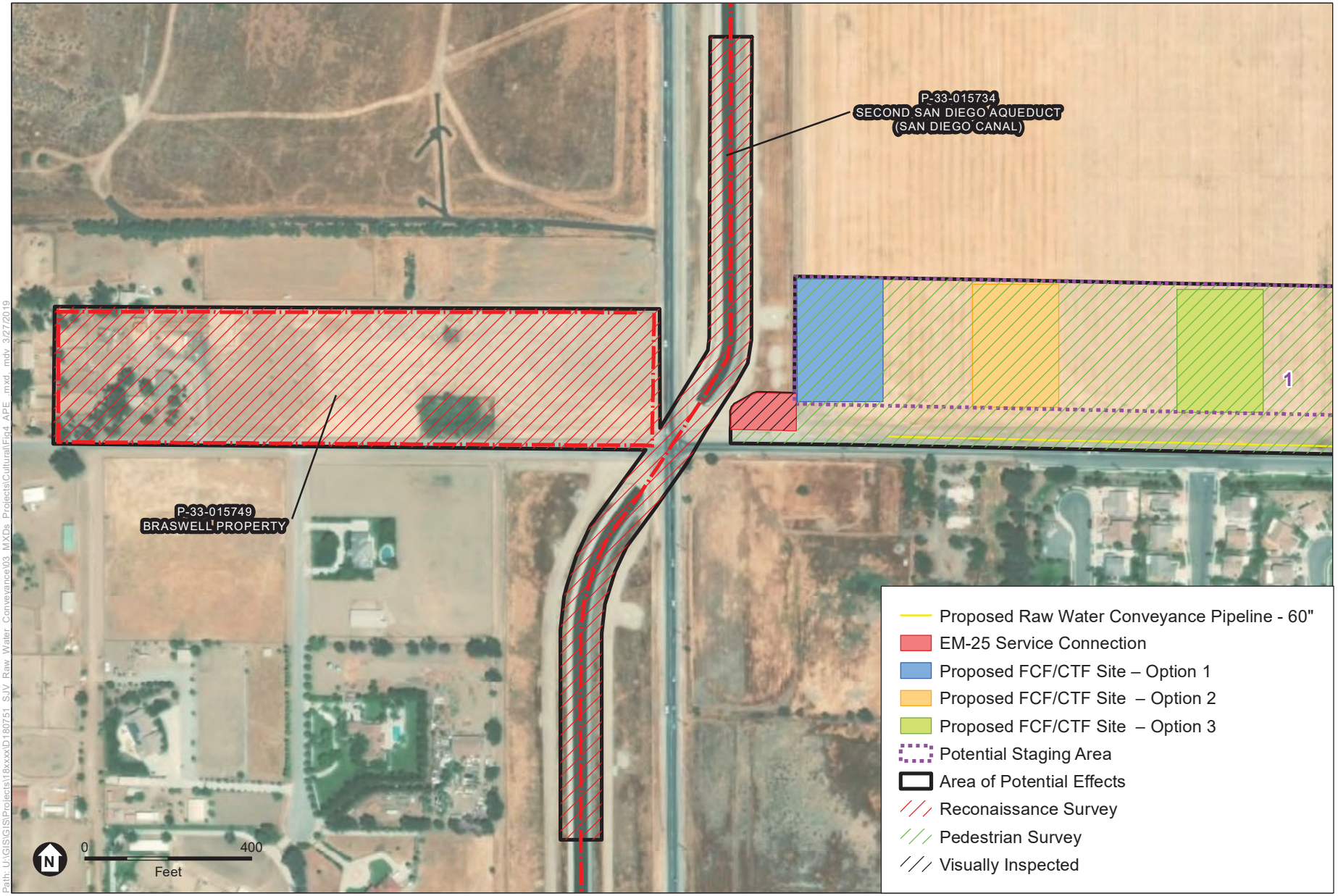
Path: U:\GIS\GIS\Projects\18xxxx\D180751 SJV Raw Water Conveyance\03 MXDs Projects\Cultural\Fig4 APE mxd mdv 3/27/2019

SOURCE: ESRI

San Jacinto Valley Raw Water Conveyance

Figure 5
Survey Coverage

ESA



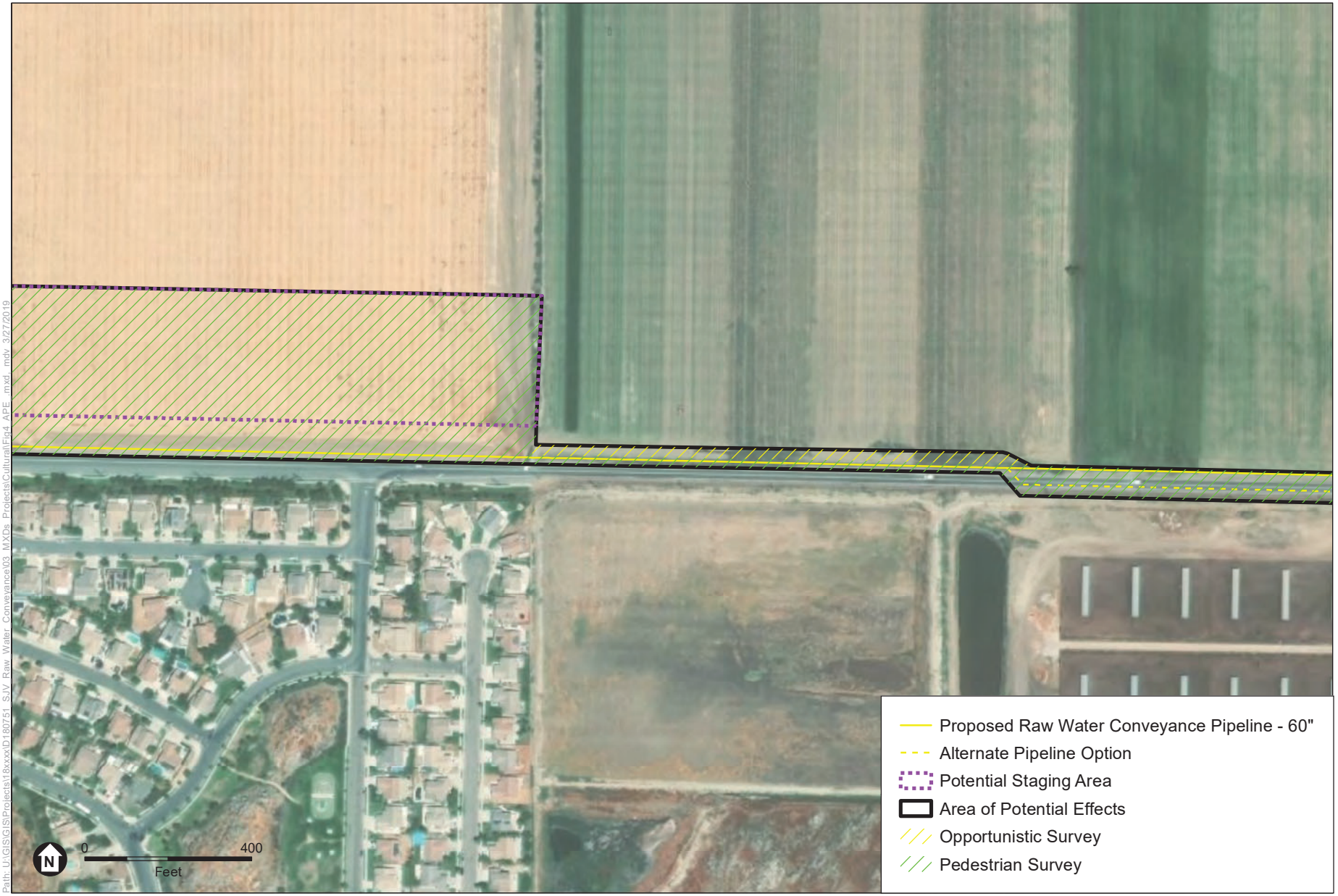
SOURCE: ESRI

San Jacinto Valley Raw Water Conveyance

Figure 5A

Survey Coverage

ESA



SOURCE: ESRI

San Jacinto Valley Raw Water Conveyance

Figure 5B
Survey Coverage

ESA

Path: U:\GIS\GIS\Projects\18xxxx\D180751_SJV_Raw_Water_Conveyance\03_MXDs_Projects\Cultural\Fig4_APE_mxd_mdv_3/27/2019

SOURCE: ESRI

San Jacinto Valley Raw Water Conveyance

Figure 5C
Survey Coverage

ESA

SOURCE: ESRI

San Jacinto Valley Raw Water Conveyance

Figure 5D
Survey Coverage

ESA

Overview of Location for Chlorine Treatment Facilities, August 2018 (view to NW)

Overview of Location for Chlorine Treatment Facilities, April 2019 (view to west)

SOURCE: ESA, 2018 and 2019

San Jacinto Valley Raw Water Facilities Project 180751.00

Figure 6
Survey Conditions

Overview of Proposed Location for Staging Area 2 (view to north)

Overview of proposed pipeline within active agricultural field (view to east)

SOURCE: ESA, 2018

San Jacinto Valley Raw Water Facilities Project 180751.00

Figure 7
Survey Conditions

Overview of EM-25 Connection within fenced corridor (view to north)

Overview of unpaved road shoulders in western half of APE (view to east)

SOURCE: ESA, 2018 and 2019

Figure 8
Survey Photos

Overview of San Diego Aqueduct System, San Diego Canal P-33-015734 (view to south)

Overview of Braswell Property, P-33-015749 (view to NE)

SOURCE: ESA, 2018

Figure 9
Resource Photos

Effects Analysis

Two resources were identified within the APE: The San Diego Aqueduct System (P-33-015734) and the Braswell Property (P-33-015749). The San Diego Aqueduct System (P-33-015734) was previously recommended eligible for the NRHP and the CRHR under Criterion A/1 due to its association with the post-war growth of San Diego resulting from reliable water supplies from the Colorado River Aqueduct. Both the First San Diego Aqueduct and the San Diego Canal, which is an element of the Second San Diego Aqueduct, are contributing elements to the system. ESA concurs with the previously evaluation finding. Therefore, the San Diego Aqueduct System (P-33-015734) is a historic property pursuant to Section 106 and a historical resource pursuant to CEQA.

The Project includes ground disturbance above the First San Diego Aqueduct, a contributing element of the system that underlies the APE. An outlet and a flap gate may be installed in the concrete-lined side of the San Diego Canal, a contributing element of the San Diego Aqueduct System. Similarly, the EM-25 service connection would be constructed within 75 feet of the San Diego Canal and the proposed flow control and chlorine treatment facilities would be constructed within 85 feet of the canal. As such, the Project could result in physical and visual effects to this resource, and an effects analysis for this resource is presented in the following section.

The Braswell Property residence (P-33-015749) was previously recommend ineligible for listing in the NRHP and CRHR; however, it was recommended eligible for local listing and is considered a historic property pursuant to Section 106 and a historical resource pursuant to CEQA for the purposes of this analysis. As confirmed during the survey, the residence is located about 1,300 feet from Project components. Nonetheless, the following section considers the potential for the Project to result in physical and visual effects to this resource.

Under Section 106 of the NHPA, an adverse effect is found when an undertaking (or Project) may alter, directly or indirectly, any of the characteristics of a historic property that qualify the property for inclusion in the NRHP in a manner that would diminish the integrity of the property's location, design, setting, materials, workmanship, feeling, or association. Adverse effects on historic properties include, but are not limited to:

> *(i) Physical destruction of or damage to all or part of the property;*
>
> *(ii) Alteration of a property, including restoration, rehabilitation, repair, maintenance, stabilization, hazardous material remediation, and provision of handicapped access, that is not consistent with the Secretary's standards for the treatment of historic properties (36 CFR part 68) and applicable guidelines;*
>
> *(iii) Removal of the property from its historic location;*
>
> *(iv) Change of the character of the property's use or of physical features within the property's setting that contribute to its historic significance;*

(v) Introduction of visual, atmospheric or audible elements that diminish the integrity of the property's significant historic features;

(vi) Neglect of a property which causes its deterioration, except where such neglect and deterioration are recognized qualities of a property of religious and cultural significance to an Indian tribe or Native Hawaiian organization; and

(vii) Transfer, lease, or sale of property out of Federal ownership or control without adequate and legally enforceable restrictions or conditions to ensure long-term preservation of the property's historic significance (36 CFR 800.5).

Under CEQA, a significant effect on the environment occurs when a project causes a substantial adverse change in the significant of a historical resource, which includes the physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of the historical resources is materially impaired. Material impairment occurs when a project demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and justify its inclusion in, or eligibility for inclusion in, the CRHR or local register.

Direct Effects

San Diego Aqueduct System (P-33-015734)

The First San Diego Aqueduct and the San Diego Canal, an element of the Second San Diego Aqueduct, underlie and overlap the APE, respectively. Both the First San Diego Aqueduct and the San Diego Canal are contributing elements of the San Diego Aqueduct System, which is recommended eligible for listing in the NRHP and CRHR under Criterion A/1 due to its association with the growth of San Diego resulting from reliable water supplies from the Colorado River Aqueduct, and therefore qualifies as a historic property pursuant to Section 106 of the NHPA and a historical resource pursuant to CEQA. Construction of the raw water conveyance pipeline would include a conventional cut and cover trenching technique, with backfill and re-surfacing to the original condition. These construction activities would occur within the Esplanade Avenue roadway right-of-way or immediately north of the right-of-way depending on the alignment chosen, located above the First San Diego Aqueduct, and would not directly affect the resource. Similarly, the San Diego Canal is located approximately 75 feet west of the proposed EM-25 service connection northeast of the intersection of Warren Road and Esplanade Avenue. Construction activities associated with the EM-25 service connection would involve an underground connection to the existing MWD Inland Feeder System Eastside Pipeline, which is located to the east of the San Diego Canal. Construction activities would occur to the east of the San Diego Canal/ Second San Diego Aqueduct and would not directly affect the canal. Therefore, the construction of the raw water conveyance pipeline and the EM-25 service connection installation would not adversely affect the First San Diego Aqueduct or the San Diego Canal, respectively.

The Project would include three options for draining water from the raw water conveyance pipeline for maintenance and repair activities. One of these options would include installing an

outlet and flap gate within the concrete-lined side of the San Diego Canal to discharge raw water, which would alter a section of the canal. The significance of the San Diego Canal as a component of the Second San Diego Aqueduct focuses on its associations with the development of San Diego (Criterion A/1). These associations are due in part to the reliable delivery of water to San Diego from the CRA facilitated by the Second San Diego Aqueduct, leading to San Diego's ability to provide adequate water supplies for its growing post-war population.

The installation of the outlet and the flap gate would alter only small section of the approximately 17-mile-long canal, and would not change the character of the property's use or its ability to convey its association with the San Diego Aqueduct System and the post-war growth of San Diego. The Project would not alter the alignment (location) of the San Diego Canal, nor affect its design, setting, workmanship, feeling, or association, and these aspects of the canal's integrity would remain intact. Consequently, the outlet and flap gate installation would not adversely affect the San Diego Canal.

As such, the Project would not result in a direct adverse effect to the San Diego Aqueduct System (P-33-015734).

Braswell Property (P-33-015749)

The Project's proposed ground disturbing activities would not intrude into the mapped boundary of this resource. Therefore, no adverse direct effects to the Braswell Property residence (P-33-015749) would occur as a result of this Project.

Indirect Effects

San Diego Aqueduct System (P-33-015734)

The Project's above-ground elements would include a 1.4-acre flow control and chlorine treatment facilities located north of Esplanade Avenue. The flow control and chlorine treatment facilities would consist of a reinforced concrete slab on which flow control valves and pipelines would be installed as well as a steel building housing a 5,000-gallon sodium hypochlorite storage tank and injection pumps, on one of three potential sites (Options 1-3), the closest of which (Option 1) would be located within 85 feet of the San Diego Canal, and has the potential to introduce visual elements that could result in adverse effects to the San Diego Canal.

The significance of the San Diego Canal as a component of the Second San Diego Aqueduct focuses on its associations with the development of San Diego (Criterion A/1). These associations are due in part to the reliable delivery of water to San Diego from the CRA facilitated by the Second San Diego Aqueduct, leading to San Diego's ability to provide adequate water supplies for its growing post-war population. The introduction of visual elements associated with the flow control and chlorine treatment facilities would not alter or adversely affect the San Diego Canal's ability to express those associations. After Project completion, the resource would continue to convey its historical significance. Additionally, no indirect effects resulting from ground-borne vibration are anticipated given the 85-foot distance between the canal and the closest proposed flow control and chlorine treatment facilities options (Option 1). As such, the Project would not result in an indirect adverse effect to the San Diego Aqueduct System (P-33-015734).

Braswell Property (P-33-015749)

Similarly, the flow control and chlorine treatment facilities may introduce visual elements that could adversely affect the Braswell Property residence. Option 1 would be the closest proposed above ground element to the resource and would be located approximately 1,300 feet from the residence, which was recommend eligible for local listing for its architectural style. While the Project would result in the introduction of a new visual element to a currently undeveloped parcel, the limited footprint and massing of the flow control and chlorine treatment facilities, along with the distance from the Braswell Property residence, which is surrounded by trees that limit direct views of the proposed flow control and chlorine treatment facilities, would not result in a significant change to the setting of the Braswell Property residence. After Project completion, the resource would continue to convey its historical significance. Additionally, no indirect effects resulting from ground-borne vibration are anticipated given the 1,300-foot distance between the residence on the property and the nearest Project components. As such, the Project would not result in an indirect adverse effect to the Braswell Property residence (P-33-015749).

Summary

The Project would not remove the two properties (San Diego Aqueduct System [P-33-015734] and Braswell Property [P-33-015749]) from their locations, change the character of the properties' uses, or remove physical features from the properties' setting that contribute to their historic significance. The construction of the raw water conveyance pipeline, installation of the outlet and flap gate to connect the proposed pipeline to the San Diego Canal, installation of the EM-25 service connection, and introduction of the new flow control and chlorine treatment facilities would not diminish the integrity of the properties' significant historic features. The Project would not cause neglect or deterioration of the property, and the properties would not undergo any transfer, sale, or lease under the Project. As such, the Project would not adversely affect either historic property.

Likewise, the Project would not result in the physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of two historical resources is materially impaired, and both historical resources would continue to convey their historical significance upon Project conclusion.

Conclusions and Recommendations

Known Resources

Two cultural resources, the San Diego Aqueduct System (P-33-015734) and the Braswell Property (P-33-015749), were identified within the APE. The San Diego Aqueduct System has been previously recommended eligible for the NRHP and CRHR, and qualifies as a historic property pursuant to Section 106 and a historical resource pursuant to CEQA. The Braswell Property residence has been previously recommended ineligible for listing in the NRHP and CRHR; however, it was recommended eligible for local listing and is considered a historic property pursuant to Section 106 and a historical resource pursuant to CEQA for the purposes of this Project. An analysis of the Project's potential to affect both resources concluded that neither

will be adversely affected. No further work or mitigation is recommended for these two resources.

Unknown Resources

No archaeological resources were identified within the APE as a result of the EIC records search or cultural resources survey. However, the APE is considered highly sensitive for the presence of subsurface archaeological deposits based on the following factors:

- Close proximity to known prehistoric sites (five prehistoric resources have been documented within a 0.5-mile radius).
- Close proximity to natural resources such as springs, which would have served as resource procurement areas during prehistoric human habitation of the area.
- Holocene-age alluvium underlying the APE, which is contemporaneous with prehistoric human occupation.
- Limited previous disturbances in most of the APE.
- Flow control and chlorine treatment facilities would be located within undeveloped agricultural fields and, if prehistoric archaeological deposits are present, they could be intact beyond the plow zone.
- NAHC SLF search indicates the presence of Native American resources in the area.
- Native American respondents indicated there are known resources in the vicinity and indicted the area is sensitive.

Since the proposed project includes ground disturbance to depths of up to 18 feet, there is a potential to encounter archaeological resources. Mitigation Measures CUL-1 through CUL-5 are recommended to ensure that there would be less than significant impacts to unknown archaeological resources and human remains under CEQA. The lead federal agency shall also be afforded the opportunity to review any discoveries in accordance with 36 CFR 800.13 – Post-review discoveries.

> **CUL-1: Retention of Qualified Archaeologist.** Prior to the start of any ground disturbing activities, a qualified archaeologist, defined as an archaeologist meeting the Secretary of the Interior's Standards for professional archaeology (U.S. Department of the Interior, 2008) shall be retained by EMWD to carry out all mitigation measures related to cultural resources.
>
> **CUL-2: Cultural Resources Sensitivity Training.** Prior to start of any ground-disturbing activities, the qualified archaeologist shall conduct cultural resources sensitivity training for all construction personnel associated with the Project. Construction personnel shall be informed of the types of cultural resources that may be encountered during construction, and of the proper procedures to be enacted in the event of an inadvertent discovery of archaeological resources or human remains. EMWD shall ensure that construction personnel

are made available for and attend the training and retain documentation demonstrating attendance

CUL-3: Construction Monitoring. An archaeological monitor (working under the direct supervision of the qualified archaeologist) and a Native American monitor shall observe all ground-disturbing activities, including but not limited to brush clearance, vegetation removal, grubbing, grading, and excavation. The qualified archaeologist, in coordination with EMWD and the Native American monitor(s), may reduce or discontinue monitoring if it is determined that the possibility of encountering buried archaeological deposits is low based on observations of soil stratigraphy or other factors. Archaeological monitoring shall be conducted by an archaeologist familiar with the types of archaeological resources that could be encountered within the Project. The Native American monitor shall be from a tribe that is culturally and geographically affiliated with the Project area (according to the NAHC contact list for this Project). The archaeological and Native American monitor(s) shall be empowered to halt or redirect ground-disturbing activities away from the vicinity of a discovery until the qualified archaeologist has evaluated the discovery and determined appropriate treatment (as prescribed in Mitigation Measure CUL-4). The archaeological monitor shall keep daily logs detailing the types of activities and soils observed, and any discoveries. After monitoring has been completed, the qualified archaeologist shall prepare a monitoring report that details the results of monitoring. The report shall be submitted to EMWD and any Native American groups who request a copy. The qualified archaeologist shall submit a copy of the final report to the EIC.

CUL-4: Unanticipated Discoveries. In the event of the unanticipated discovery of archaeological materials, all work shall immediately cease in the area (within approximately 100 feet) of the discovery until it can be evaluated by the qualified archaeologist. Construction shall not resume until the qualified archaeologist has conferred with EMWD, and the appropriate Native American representatives for prehistoric resources, on the significance of the resource.

If it is determined that the discovered archaeological resource constitutes a historical resource or a unique archaeological resource under CEQA, avoidance and preservation in place is the preferred manner of mitigation. Preservation in place may be accomplished by, but is not limited to, avoidance, incorporating the resource into open space, capping, or deeding the site into a permanent conservation easement. In the event that preservation in place is demonstrated to be infeasible and data recovery through excavation is the only feasible mitigation available, an Archaeological Resources Treatment Plan shall be prepared and implemented by the qualified archaeologist in consultation with EMWD that provides for the adequate recovery of the scientifically consequential information contained in the archaeological resource. The qualified archaeologist and EMWD shall consult with appropriate Native American representatives in determining treatment for prehistoric or Native American resources to ensure cultural values ascribed to the resource, beyond those that are scientifically important, are considered.

CUL-5: Unanticipated Discovery of Human Remains and Associated Funerary Objects. In the event human remains and/or associated funerary objects are encountered during construction of the proposed Project, all activity in the vicinity of the find shall cease (within 100 feet). Human remains discoveries shall be treated in accordance with and California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98, requiring assessment of the discovery by the County Coroner, assignment of a Most Likely Descendant by the NAHC, and consultation between the Most Likely Descendant and the landowner regarding treatment of the discovery. Until the landowner has conferred with the Most Likely Descendant, EMWD shall ensure that the immediate vicinity where the discovery occurred is not disturbed by further activity and that further activities take into account the possibility of multiple burials.

Finding of Effect

ESA recommends a finding of **No Adverse Effect to Historic Properties** for the Project.

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Appendix A
Personnel

Candace R. Ehringer, RPA

Senior Cultural Resources Specialist

EDUCATION

M.A., Anthropology, California State University, Northridge

B.A., Anthropology, East Carolina University

20 YEARS EXPERIENCE

AREAS OF EXCELLENCE

CEQA, NEPA, Section 106, and AB 52 proficient

Manages multi-disciplinary CRM projects

Strong historic resources research skills

PROFESSIONAL AFFILIATIONS

Register of Professional Archaeologists, No. 15146

Society for California Archaeology

Society for Historical Archaeology

California Preservation Foundation

QUALIFICATIONS

Exceeds Secretary of the Interior's Standards

Orange County Certified Archaeologist

CA State BLM Permitted

Certified in CA and NV BLM Protocol

HAZWOPER Certified

Candace is a cultural resources project manager with 20 years of experience working across California. She provides technical and compliance oversight for projects involving archaeological survey, evaluation, and treatment; built environment studies, including the documentation and evaluation of buildings, structures, and districts; and paleontological resources survey and sensitivity assessments. She is proficient in the areas of California Environmental Quality Act (CEQA), National Environmental Policy Act (NEPA), Section 106, and Assembly Bill 52 (AB 52) compliance and routinely provides planning and strategic guidance to clients within the larger scope of state and federal regulations. Candace manages multi-disciplinary cultural resources projects that include archaeological, historic architectural, and paleontological resources components. She is adept at building teams of specialists from these resource areas that are uniquely qualified for the particular project at hand and has brought hundreds of projects to successful completion for both public agency and private development clients.

Relevant Experience

Bureau of Land Management, On-Call Cultural Resources Services, Riverside County, CA. *Archaeologist.* ESA has been retained by the Bureau of Land Management (BLM) under an on-call contract to provide cultural resource services including compliance monitoring for projects under BLM jurisdiction. Candace has participated in a number of projects for the BLM Palm Springs South Coast Field Office, providing a wide range of cultural resources services for solar projects and other projects taking place on BLM lands in compliance with Section 106 and specified BLM protocols, including compliance monitoring and peer review, Class III archaeological resources surveys, resource evaluations, the preparation of reports, and Native American consultation.

California Department of Water Resources, Lake Perris Emergency Release Facility, Riverside County, CA. *Cultural Resources Project Manager*. DWR proposes to implement the Lake Perris Emergency Release Facility (ERF) Project, which would modify the existing emergency outlet facility for the Perris Dam and construct a water conveyance facility to connect with the Perris Valley Channel in the event of a need for an emergency drawdown. Candace managed the preparation of a Phase I Cultural Resources Study and cultural resources EIR section for the project.

California Department of Water Resources, Perris Dam Mitigation Area, Riverside County, CA. *Cultural Resources Project Manager*. Candace managed a Phase I cultural resources study for a proposed biological mitigation area. The project includes a creation/restoration program within the Western Riverside County Regional Conservation Authority mitigation area with the purpose of creating/restoring riparian habitat that is biologically equivalent or superior to that which is being impacted as a result of the Perris Dam Remediation Program

being carried out at Lake Perris. The study concluded that the area is sensitive for archaeological resources and additional work was recommended.

Inland Empire Utilites Agency, Mission Springs Solar Project, North Palm Springs, Riverside County, CA. *Principal Investigator.* Tom Dodson and Associates retained ESA to prepare a Phase I Cultural Resources Study in support of an Initial Study/ Mitigated Negative Declaration being prepared for the Mission Springs Solar Project. The project proposes the construction of a solar field to generate power to support Mission Springs Water District facilities and operations. The purpose of the proposed project is to provide power to generate credits for District-wide facilities in order to minimize overall energy demand and minimize greenhouse gas emissions from this passive solar photovoltaic facility. Candace served as the Principal Investigator for the Phase I study. The study included archival research, survey of 6.5 acres, and documentation of three historical archaeological sites.

Pardee Homes, Canyon Hills Cultural Resource Assessment, Lake Elsinore, Riverside County, CA. *Field Director.* ESA was retained by Pardee Homes to prepare a cultural resources assessment for Phases 7 & 8 of the Canyon Hills Specific Plan. Candace co-authored a research design for archaeological testing at one prehistoric site and served as field director during testing. She co-authored the Phase II Testing Evaluation Report providing recommendations regarding the site's eligibility for the California Register and National Register.

City of Lake Elsinore, Walmart Retail Center, Riverside County, CA. *Cultural Resources Principal Investigator.* ESA was contracted by City of Lake Elsinore Community Development Department to prepare an EIR and associated technical studies for a proposed Walmart Retail Center. The proposed Project would construct a 154,487-square-footWalmart anchor store and three freestanding retail tenants and would be located on approximately 17.66 acres of vacant, undeveloped land southeast of State Route [SR]-74 in the City of Lake Elsinore. Candace served as the Principal Investigator for the cultural resources study and oversaw the preparation of the cultural resources section of the EIR.

City of Temecula, Altair Specific Plan EIR, Archaeological Services, Riverside County, CA. *Principal Investigator.* ESA prepared an Environmental Impact Report (EIR) for the Altair Specific Plan Project. Ambient Communities (Applicant) proposes to construct a pedestrian-oriented residential community with up to 1,750 mixed density residential units within walking or cycling distance of Old Town Temecula. Candace served as the Principal Investigator for an Archaeological Investigation Report. The study included geoarchaeological review, preparation of a research design, subsurface exploration of impact areas with higher sensitivity for archaeological resources, and preparation of a final report.

City of Temecula, Bella Linda Residential Project Archaeological Testing, Temecula, Riverside County, CA. *Field Director*. Candace authored the testing plan and served as field director for subsurface investigation of the approx. 22-acre project area. The investigation did not identify any subsurface deposits within the project area. The project includes development of a residential units consisting of 325 apartment units totaling 462,622 square feet and 49 senior single-family units.

Michael Vader

Senior Associate

EDUCATION

B.A., Physical Anthropology, University of California, Santa Barbara

12 YEARS EXPERIENCE

PROFESSIONAL AFFILIATIONS

Society for California Archaeology (SCA)

Society for American Archaeology (SAA)

Pacific Coast Archaeological Society (PCAS)

SPECIALIZED EXPERIENCE

Analysis of faunal remains including fish and shellfish species

Archaeological Monitoring

Paleontological Monitoring

Environmental Compliance Monitoring

Human osteology and bioarchaeology

Michael is cultural resources specialist with experience working on survey, data recovery, and monitoring projects. Michael has experience with project management, has led crews on multiple surveys and excavations, and is familiar with environmental compliance documents. He has worked on a variety of energy and water infrastructure projects throughout California, including projects in Riverside, San Diego, Imperial, San Bernardino, Los Angeles, Orange, Santa Barbara, San Luis Obispo, Kern, Fresno, Madera, and Inyo Counties, as well as in Clark County Nevada. Michael regularly works as part of a team, coordinating with field staff and agency leads.

Relevant Experience

Truax Hotel Project, Temecula, County of Riverside, CA. *Archaeologist*. ESA was retained by the City of Temecula to conduct an archaeological resources inventory for the Truax Hotel Project in support of a Supplemental Environmental Impact Report (SEIR). The project would construct a six-story, 151 guest room boutique hotel and an adjacent six-story, 208-stall parking garage in Old Town Temecula, on approximately 1.8-acres of land. Michael conducted the cultural resources survey, and prepared the archaeological resources inventory report for the project.

San Jacinto Valley Enhanced Recharge and Recovery Program, Riverside County, CA. *Archaeologist*. ESA was retained by the Eastern Municipal Water District to prepare a Cultural Resources Study in support of an Environmental Impact Report for the proposed San Jacinto Valley Enhanced Recharge and Recovery Program. The Project would aid in supplementing current and future water supplies by recharging imported water and local supplies in the local groundwater basin. The Project would include development of recharge facilities, storm water capture facilities, production and monitoring wells, potable and raw water pipelines, and other conveyance facilities and appurtenances. Michael led the cultural resources survey and prepared the Phase I cultural resources study report.

Sterling Natural Resource Center Project. Highland, CA. *Archaeologist*. The San Bernardino Valley Municipal Water District retained ESA to prepare a Phase I Cultural Resources Study in support of an Environmental Impact Report for the proposed Sterling Natural Resource Center Project. The project includes the construction a new treatment facility in the City of Highland to treat locally generated wastewater for beneficial reuse in the upper Santa Ana River watershed. Michael led the Phase I survey of the project area and assisted in the preparation of the cultural resources study.

Altair Specific Plan EIR Project. Temecula, CA. *Archaeologist.* The City of Temecula retained ESA to prepare an EIR for the Altair Specific Plan Project. The project consists of the construction of a pedestrian-oriented residential community with up to 1,750 mixed density residential units within walking or

cycling distance of Old Town Temecula. As part of the EIR preparation ESA conducted an archaeological site investigation to determine if a previously existing, National Register of Historic Places-eligible site extended in to the project's area of impact. Michael assisted in the preparation of the work plan and led the field work for the site investigation.

IEUA Prado Basin Habitat Sustainability Program, Riverside County, CA. *Archaeologist*. The Inland Empire Utilities Agency (IEUA) implemented elements of the Optimum Basin Management Plan (OBMP) within the Chino Basin. The OBMP included the formation of the Prado Basin Habitat Sustainability Program (PBHSP) to ensure that riparian habitat within the Prado Basin, including habitat along Chino Creek and Mill Creek, is not adversely affected by the OBMP. A key component of the PBHSP is the installation of 16 groundwater monitoring wells at nine locations. ESA was retained by IEUA to conduct archaeological monitoring of the well installation. Michael conducted archaeological monitoring and prepared the monitoring letter report presenting the results of the monitoring.

DWR Perris Dam Remediation Project, Riverside County, CA. *Archaeologist*. ESA was retained by DWR to prepare a Cultural Resources Mitigation and Monitoring Plan (CRMMP) for the Perris Dam Remediation Project. Michael led the site visit of nine archaeological sites to document their conditions, and assisted in the CRMMP preparation.

Walker Basin Holding Properties Project, Riverside County, CA. *Archaeologist.* ESA was contracted by Beresford Properties, LLC, to conduct a Phase 1 cultural resources assessment for the Walker Basin Holding Properties Project. The proposed Project includes the development 91 estate-size single family detached residential lots, public streets and drainage facilities. Michael was the field director for the Phase 1 cultural resources survey and prepared the cultural resources technical reports for the Project.

Preserve at San Juan Project, Orange and Riverside Counties, CA. *Archaeologist.* ESA has been retained by the Preserve at San Juan, LLC, to conduct a Phase 1 cultural resources assessment for the Preserve at San Juan Project. The proposed Project would include the development of 51 single-family residential units in two separate project areas, which would be implemented in two phases. Michael prepared the work plan, contributed to the technical report, and assisted with the Phase 1 surveys of the Project area.

Genesis Solar Energy Project Gen Tie Right-of-Way Modifications, Riverside County, CA. *Archaeologist.* ESA archaeologists have prepared a Class III cultural resources survey report for the Genesis Solar Energy Project located in eastern Riverside County. The project includes the construction of a 250-megawatt solar thermal power generating facility located between the community of Desert Center and the City of Blythe. Michael accompanied engineers and archaeologists from AECOM and the BLM in a site visit to assist in the determination of a route for a project related pipeline that would have the least impact on nearby cultural resources.

Katherine Cleveland

Managing Associate I

EDUCATION

Masters of Arts in Public History, California State University, Sacramento

B.A., History, Minor in Women's Studies and Anthropology/Geography, California Polytechnic State University, San Luis Obispo

11 YEARS' EXPERIENCE

CERTIFICATIONS/ REGISTRATION

Section 106 training, Advisory Council for Historic Preservation

GIS for Resource Managers, UC Davis

PROFESSIONAL AFFILIATIONS

California Council for the Promotion of History

California Preservation Foundation

Kathy is a cultural resources analyst involved with a variety of ESA projects involving historic period structures, buildings, and districts. Her role entails establishing a base historical context for the respective projects, conducting archival review at regional and state repositories, documenting and evaluating historic resources for eligibility for the National and California Registers, and drafting technical reports meeting Federal, State, and Local requirements. Kathy has completed evaluations for pre and post-World War II residential and commercial buildings, water conveyance systems, mining and industrial buildings and structures, airports, as well as historic period roads, trails, and railway features. Kathy has experience working in projects located throughout the Central Valley, as well as Sierra Nevada, Southern California, and western Nevada.

Relevant Experience

City of Fresno Recycled Water Distribution System Project, Fresno, CA, *Cultural Resources Analyst.* ESA is assisting the City in the preparation of CEQA Plus environmental clearance document for installation of approximately 23 miles of recycled water pipeline and a new pump station to distribute recycled water to the Southwest Quadrant of the City of Fresno. Kathy's responsibilities included archival review of the project area, field survey, identification of historic structures within the project area (which included historic residences, irrigation ditches and canals, and railroads), and recommendations for mitigation to minimize impacts to cultural resources.

City of Davis Recycled Water Project, Davis, CA, *Cultural Resources Analyst.* ESA is assisting the City in the preparation of Draft and Final Environmental Impact Report and MMP for the conveyance and use of reclaimed water from the WWTP to the Conaway Ranch in Yolo County. City of Davis Recycled Water Project. Kathy's responsibilities included archival review of the project area, identification of historic structures within the project area, compilation of archaeological survey findings, and recommendations for mitigation to minimize impacts to cultural resources.

Azusa Hydroelectric Pipeline Seismic Retrofit Project, Azusa, CA. *Architectural Historian.* The City of Pasadena proposed the retrofit of two pipes to prevent damage in the event of earth shifting events including earthquakes and landslides, at the Azusa Hydroelectric Plant. ESA assisted in the preparation of environmental documents for the new construction. Kathy conducted an evaluation and recordation of the Azusa Hydroelectric Plant, based on archival review and field survey conducted by ESA staff.

City of LA RAP Griffith Park Performing Arts Stage Project, Los Angeles, CA. *Architectural Historian.* The City of Los Angeles Department of Recreation and Parks proposed the construction of a performing arts stage in Griffith Park. ESA assisted in the preparation of environmental documents for the new

construction. Kathy conducted an evaluation and recordation of the Old Griffith Park Zoo, based on archival review and field survey conducted by ESA staff.

Genesis Phase II Ethnography Study, Palm Springs, CA. *Cultural Resources Associate.* ESA is conducting an intensive ethnographic study of the I-10 Solar Energy corridor that runs from Palm Springs, CA to Arizona for the Palm Springs BLM. Work involves interviews with tribal elders, compilation of past ethnographic studies including archived film and sound recordings housed at institutions in California, Arizona, Nevada and Washington, D.C. Kathy is assisting in project management, including progress reports, coordinating meetings between various working groups, and interacting with the client.

SFPUC WSIP San Francisco Recycled Water Project. *Historic Architecture Analyst.* Kathy assisted in updating analysis of historic architecture for the San Francisco Water Supply Improvement Program Recycled Water Project. The proposed project will include recycled water treatment, storage, and distribution facilities for users located on the west side of San Francisco. Water will be treated to a tertiary level at the Oceanside Recycled Water Treatment Facility, and a network of pipelines will distribute the recycled water to a series of reservoirs and pump stations, including the Golden Gate Park Reservoir & Pump Station, the Booster Pump Station at Golden Gate Park, and the Lincoln Park Reservoir & Pump Station located near Lincoln Park Golf Course.

City of Davis Water Quality Improvement Project, Davis, CA. *Cultural Resource Analyst and Architectural Historian.* ESA assisted in the preparation of an environmental documentation including CEQA-PLUS. The water quality improvement project will add and modify water mains throughout the City to support implementation of the Davis Woodland Water Supply Project (DWWSP). Kathy managed the completion of a Section 106 compliant cultural resources report that documented archival review, field survey, Native American coordination, and mitigation recommendations for the proposed project alignment.

Chris Lockwood, PhD, RPA

Senior Archaeologist & Geoarchaeologist

EDUCATION

PhD, Anthropology (Archaeology focus), University of Washington

MA, Anthropology (Archaeology focus), University of Washington

Postgraduate work, Anthropology, Texas A&M University

BA, History, Washington University in St. Louis

21 YEARS OF EXPERIENCE

PROFESSIONAL CERTIFICATIONS

Register of Professional Archaeologists (RPA), #2751080

40-Hour HAZWOPER Certification

RELEVANT TRAININGS

Desert Geomorphology for Archaeologists, National Park Service and Desert Research Institute, Las Vegas, NV, May 11-15, 2015

Chris has 21 years of experience in archaeology and cultural resources in a broad range of environments including coastal, fluvial, lacustrine, and urban settings in California, Oregon, and Washington. Chris has managed cultural resources projects ranging in scope from reconnaissance surveys to data recovery to construction monitoring, designs fieldwork methodologies, and formulates Unanticipated Discovery Plans (UDP) and Archaeological Resources Monitoring and Treatment Plans (ARMTPs), and assists clients with cultural resources avoidance and mitigation. As a geoarchaeologist, Chris uses his dual training in earth sciences and anthropology to assess project risks for cultural resources and to evaluate project alternatives. He regularly conducts geoarchaeological sensitivity studies for a wide variety of cultural resources investigations. Chris meets the Secretary of the Interior's Standards for archaeology.

Relevant Experience

Ocotillo Wind Farm, Imperial County, CA. *Georchaeologist.* Chris evaluated local geomorphic processes to assess the context and origin of archaeological resources discovered on the surface of a large alluvial fan during survey of Bureau of Land Management lands. Chris's work suggested that resources had been exposed in place by wind erosion, rather than being transported to the find location by water or gravity. The results of this work provided additional information about expected future stability of the landform for management planning.

Blythe Mesa Solar Project, Bureau of Land Management, Riverside County, CA. *Geoarchaeologist.* ESA provided the BLM with contractor support services to prepare a Supplemental EIS, Record of Decision, and Administrative Record for the Blythe Solar Power Project. BLM's Proposed Action is to revise the Record of Decision approved in 2010 for Solar Millennium's proposed project. NextEra, which purchased the project out of SM's bankruptcy proceedings, intends to change the solar energy generating technology to photovoltaic (PV) from solar thermal trough. Chris conducted a desktop geoarchaeological analysis to assess the sensitivity of the project site for buried archaeological resources. The results were used to guide monitoring protocols in a Cultural Resources Management Plan. Documents were prepared for the BLM and Riverside County.

Ballona Wetland Restoration, Los Angeles, CA. *Geoarchaeologist.* The California State Coastal Conservancy retained ESA to conduct a geoarchaeological review for the Ballona Wetlands Restoration Project in support of an EIR/EIS. The historical Ballona Wetlands, which is now reduced to 577 acres, once occupied a 2,000-acre expanse of critical coastal habitat and included some of the most

diverse wetland habitat types in the Los Angeles Basin. Chris conducted a geoarchaeological study for the Project to assess the Project area's potential to contain subsurface archaeological deposits beneath various sources of imported fill covering the wetlands. Chris reviewed a number of sources including geological and soils maps, geotechnical data, historic maps, and previous cultural resources studies to interpolate the depth to top of native soils and develop a hierarchy (high, moderate, low) of archaeological sensitivity within the Project area based on elevations of native soils present.

DWR Cantua Creek Stream Group Improvement, Fresno County, CA. *Geoarchaeologist.* The California Department of Water Resources (DWR) retained ESA to conduct a cultural resources report for the Cantua Creek Stream Group (CCSG) Improvements Project (Project) in support of Section 106 of the National Historic Preservation Act and California Environmental Quality Act documentation. The CCSG is composed of five major creeks (Arroyo Hondo, Cantua, Salt, Martinez, and Domengine), which drain a portion of the Coast Range of Central California. Presently, floodwaters from the CCSG terminate at four locations (Basins 1-4) along an approximately 13-mile stretch of the San Luis Canal; Martinez Creek flows into Salt Creek about 3 miles upstream of the San Luis Canal. The Project would increase storage in the CCSG ponding basins through flood easement acquisition and embankment/road raises. Chris conducted a geoarchaeological study as part of the cultural resources assessment and developed a model to predict the types of landforms within the Project that would contain surficial and subsurface archaeological deposits.

Preserve at San Juan, Orange County and Riverside County, CA. *Geoarchaeologist*. The Preserve at San Juan, LLC, retained ESA to prepare a cultural resources survey and assessment for the Preserve at San Juan Project in support of Section 106 and CEQA documentation. The Project included development of 72 single-family residential units in two separate project areas, implemented in two phases. The total Project area includes 615.5 acres, and the project proposes improvements within a 107.7-acre Development Area, including offsite collector roads and fuel modification areas. The remaining 507.8 acres are undeveloped. Chris conducted a geoarchaeological study for the Project and developed a model predicting the likelihood of encountering surficial and subsurface prehistoric archaeological resources based on the landforms present within the Project area.

Bella Linda Residential Development, Temecula, CA. *Georchaeologist.* Chris examined geotechnical logs, archaeological reports, geological and historic maps to assess the probability for encountering buried archaeological resources during construction of the Bella Linda Residential Development project. Chris identified environmental similarities between the portions of project area and nearby landforms with recorded archaeological resources, and his geomorphological analysis was used to plan a subsequent phase of subsurface testing.

Golden State Warriors Event Center & Mixed Use Development SEIR, San Francisco, CA. *Geoarchaeologist.* Chris oversaw a geoarchaeological program designed to identify potential buried prehistoric deposits during the structural upgrade of the existing conjoined Piers 30–32 substructure and construction of a new indoor arena with a capacity of 16,000 to 19,000 persons to serve as the new

home of the Golden State Warriors NBA basketball team.

Sammamish Side Channel, Bothell, WA. *Geoarchaeologist.* Chris served as cultural resources lead for this project to evaluate a channel reconnection project on the Sammamish River. The project was subject to Section 106 of the National Historic Preservation Act. Chris developed and oversaw implementation of field methodology to test for potentially deeply buried cultural resources.

Satsop River Bridge Cultural Resources Assessment, Grays Harbor County, WA. *Geoarchaeologist.* Chris reviewed historic maps and aerial photographs in concert with geological data to evaluate the likelihood of development of cultural deposits in a project area proposed for bridge footing repair.

Appendix B
EIC Records Search

(Confidential – Bound Separately)

Appendix C
Native American Outreach

ESA

550 West C Street
Suite 750
San Diego, CA 92101
619.719.4200 phone
619.719.4201 fax

www.esassoc.com

August 27, 2018

Native American Heritage Commission
1550 Harbor Boulevard, Suite 100
West Sacramento, CA 95691
FAX- 916-373-5471

Subject: **SLF search request for the San Jacinto Raw Water Conveyance Facilities Project (D180751.00)**

To whom it may concern:

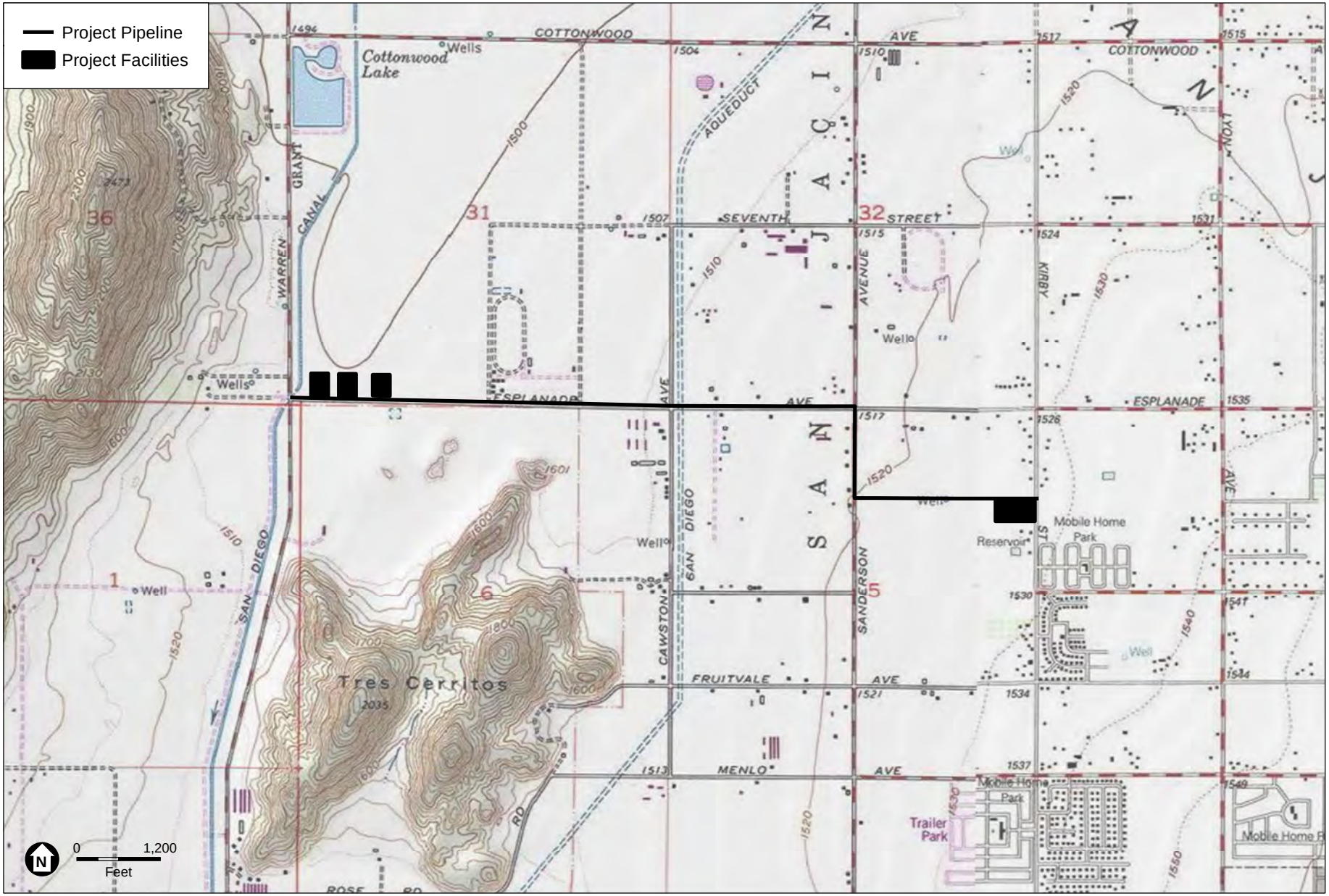
The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to prepare a cultural resources assessment for the San Jacinto Raw Water Conveyance Facilities Project (proposed project) in support of an Initial Study Mitigated Negative Declaration (ISMND) being prepared pursuant to the California Environmental Quality Act (CEQA). The proposed project would include the construction of a 2.5-mile-long raw water conveyance pipeline to provide increased capacity for imported raw water delivery to the Mountain Avenue recharge sites and EMWD's Integrated Recharge and Recovery Program (IRRP) ponds (collectively referred to as the East Valley Recharge Facilities). Proposed project components include a connection to Metropolitan Water District's (MWD) Inland Feeder Pipeline, a chlorination and flow control facility, and a 60-inch diameter raw water transmission pipeline to convey the raw water from the connection point to EMWD's existing San Jacinto Valley Feeder Pipeline near the intersection of Kirby Road and Commonwealth Avenue in the City of Hemet. The enclosed map shows the proposed project located within Sections 5, 6, 31, and 32 of Township 4 and 5 South, Range 1 West on the Lakeview and San Jacinto, CA USGS 7.5-minute topographic quadrangle.

In an effort to provide an adequate appraisal of all potential impacts that may result from the proposed project, ESA is requesting that a Sacred Lands File search be conducted for sacred lands or traditional cultural properties that may exist within the proposed project area.

Thank you for your time and cooperation regarding this matter. To expedite the delivery of search results, please e-mail them to mvader@esassoc.com, or fax them to 619.719.4201. Please contact me at 619.241.9238 or e-mail me at mvader@esassoc.com if you have any questions.

Sincerely,

Michael Vader
Cultural Resources



SOURCE: ESRI

San Jacinto Valley Raw Water Conveyance

Figure 1
Project Location

NATIVE AMERICAN HERITAGE COMMISSION
Environmental and Cultural Department
1550 Harbor Blvd., ROOM 100
West SACRAMENTO, CA 95691
(916) 373-3710
Fax (916) 373-5471

August 27, 2018

Michael Vader
ESA

Sent by Email: mvader@esassoc.com

Re : San Jacinto Raw Water Conveyance Facility Project, Riverside County

Dear Mr. Vader,

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results indicate Native American cultural sites are present. Please contact the Soboba Band of Luiseno Indians, Los Coyotes Band of Cahuilla and Cupeno and Geraldine Ibanez 714-676-5568. Other sources for cultural resources should also be contacted for information regarding known and/or recorded sites.

Enclosed is a list of Native American tribes who may also have knowledge of cultural resources in the project area. I suggest you contact all of those indicated, if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any of these tribes, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact me at frank.lienert@nahc.ca.gov.

Sincerely,

Frank Lienert
Associate Governmental Program Analyst

Native American Heritage Commission
Native American Contacts
August 27, 2018

Cabazon Band of Mission Indians
Doug Welmas, Chairperson
84-245 Indio Springs Parkway — Cahuilla
Indio , CA 92203
(760) 342-2593

(760) 347-7880 Fax

Los Coyotes Band of Cahuilla and Cupeno Indians
Shane Chapparosa, Chairman
P.O. Box 189 — Cahuilla
Warner Springs , CA 92086-01
Chapparosa@msn.com
(760) 782-0711

(760) 782-0712 Fax

Pala Band of Mission Indians
Shasta Gaughen, PhD, THPO
PMB 50, 35008 Pala Temecula Rd. — Luiseno
Pala , CA 92059 — Cupeno
sgaughen@palatribe.com
(760) 891-3515

(760) 742-3189 Fax

Pauma Band of Luiseno Indians
Temet Aguilar, Chairperson
P.O. Box 369 — Luiseno
Pauma Valley , CA 92061
(760) 742-1289, Ext. 303

(760) 742-3422 Fax

Ramona Band of Cahuilla
Joseph Hamilton, Chairman
P.O. Box 391670 — Cahuilla
Anza , CA 92539
admin@ramonatribe.com
(951) 763-4105

(951) 763-4325 Fax

Twenty-Nine Palms Band of Mission Indians
Darrell Mike, Chairperson
46-200 Harrison Place — Chemehuevi
Coachella , CA 92236
29chairman@29palmsbomi-nsn.gov
(760) 863-2444

(760) 863-2449 Fax

Chemehuevi Indian Tribe
Charles F. Wood, Chairperson
P.O. Box 1976 — Chemehuevi
Havasu Lake , CA 92363
chairman@cit-nsn.gov
(760) 858-4219

(760) 858-5400 Fax

Fort Mojave Indian Tribe
Timothy Williams, Chairperson
500 Merriman Ave — Mojave
Needles , CA 92363
(760) 629-4591

(760) 629-5767 Fax

Juaneno Band of Mission Indians Acjachemen Nation
Matias Belardes, Chairperson
32161 Avenida Los Amigos — Juaneno
San Juan Capistrano , CA 92675
kaamalam@gmail.com
(949) 444-4340 (Cell)

Colorado River Indian Tribes of the Colorado River Indian Reservation
Dennis Patch, Chairman
26600 Mojave Road — Mojave
Parker , AZ 85344 — Chemehuevi
crit.museum@yahoo.com
(928) 669-9211 Tribal Office
(928) 669-8970 ext 21
(928) 669-1925 Fax

This list is current only as of the date of this document and is based on the information available to the Commission on the date it was produced.

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This list is only applicable for contacting local Native American Tribes with regard to cultural resources assessments for the proposed
San Jacinto Raw Water Conveyance Facility Project, Riverside County

Native American Heritage Commission
Native American Contacts
August 27, 2018

Quechan Tribe of the Fort Yuma Indian Reservation
Michael Jackson. Sr.. President
P.O.Box 1899 Quechan
Yuma , AZ 85366
qitpres@quechantribe.com
(760) 572-0213

(760) 572-2102 Fax

Juaneno Band of Mission Indians Acjachemen Nation
Teresa Romero. Chairwoman
31411-A La Matanza Street Juaneno
San Juan Capistrano , CA 92675
tromero@juaneno.com
(949) 488-3484
(530) 354-5876 Cell
(949) 488-3294 Fax

Gabrieleno/Tongva San Gabriel Band of Mission Indians
Anthony Morales. Chairperson
P.O. Box 693 Gabrielino Tongva
San Gabriel , CA 91778
GTTribalcouncil@aol.com
(626) 483-3564 Cell

(626) 286-1262 Fax

San Manuel Band of Mission Indians
Lee Clauss. Director-CRM Dept.
26569 Community Center Drive Serrano
Highland , CA 92346
lclauss@sanmanuel-nsn.gov
(909) 864-8933

(909) 864-3370 Fax

Santa Rosa Band of Cahuilla Indians
Steven Estrada. Chairman
P.O. Box 391820 Cahuilla
Anza , CA 92539
(951) 659-2700

(951) 659-2228 Fax

Rincon Band of Luiseño Indians
Bo Mazzetti. Chairperson
1 West Tribal Road Luiseno
Valley Center , CA 92082
bomazzetti@aol.com
(760) 749-1051

(760) 749-5144

Augustine Band of Cahuilla Indians
Amanda Vance. Chairperson
P.O. Box 846 Cahuilla
Coachella , CA 92236
(760) 398-4722
(760) 369-7161Fax

San Luis Rey Band of Mission Indians
Tribal Council
1889 Sunset Drive Luiseno
Vista , CA 92081
cjmojado@slrmissionindians.org
(760) 724-8505

(760) 724-2172 Fax

Gabrielino /Tongva Nation
Sandonne Goad. Chairperson
106 1/2 Judge John Aiso St., #231 Gabrielino Tongva
Los Angeles , CA 90012
sgoad@gabrielino-tongva.com
(951) 807-0479

Aqua Caliente Band of Cahuilla Indians
Jeff Grubbe. Chairperson
5401 Dinah Shore Drive Cahuilla
Palm Springs , CA 92264
(760) 699-6800

(760) 699-6919 Fax

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Native American Heritage Commission
Native American Contacts
August 27, 2018

Morongo Band of Mission Indians
Robert Martin, Chairperson
12700 Pumarra Road — Cahuilla
Banning, CA 92220 — Serrano
(951) 849-8807
(951) 755-5200
(951) 922-8146 Fax

Juaneño Band of Mission Indians
Sonia Johnston, Tribal Chairperson
P.O. Box 25628 — Juaneno
Santa Ana, CA 92799
sonia.johnston@sbcglobal.net

Pechanga Band of Luiseño Indians
Mark Macarro, Chairman
P.O. Box 1477 — Luiseno
Temecula, CA 92593
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(951) 695-1778 Fax

Cahuilla Band of Indians
Daniel Salgado, Chairperson
52701 U. S. Highway 371 — Cahuilla
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Chairman@cahuilla.net
(951) 763-5549
(951) 763-2808

La Jolla Band of Luiseno Indians
Thomas Rodriguez, Chairperson
22000 Highway 76 — Luiseno
Pauma Valley, CA 92061
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(760) 742-3779 Fax

Juaneno Band of Mission Indians Acjachemen Nation
Joyce Perry, Tribal Manager
4955 Paseo Segovia — Juaneno
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Serrano Nation of Mission Indians
Goldie Walker, Chairperson
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Patton, CA 92369

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(909) 528-9032

Soboba Band of Luiseno Indians
Joseph Ontiveros, Cultural Resource Department
P.O. BOX 487 — Luiseno
San Jacinto, CA 92581 — Cahuilla
jontiveros@soboba-nsn.gov
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(951) 654-5544, ext 4137
(951) 654-4198 Fax

Agua Caliente Band of Cahuilla Indians
Patricia Garcia-Plotkin, Director, THPO
5401 Dinah Shore Drive — Cahuilla
Palm Springs, CA 92264
ACBCI-THPO@aguacaliente.net
(760) 699-6907
(760) 567-3761 Cell
(760) 699-6924 Fax

Gabrieleno Band of Mission Indians - Kizh Nation
Andrew Salas, Chairperson
P.O. Box 393 — Gabrielino
Covina, CA 91723
admin@gabrielenoindians.org
(626) 926-4131

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Native American Heritage Commission
Native American Contacts
August 27, 2018

Twenty-Nine Palms Band of Mission Indians
Anthony Madrigal, Jr. THPO
46-200 Harrison Place Chemehuevi
Coachella , CA 92236
amadrigal@29palmsbomi-nsn.
(760) 775-3259
(760) 625-7872 Cell
(760) 863-2449 Fax

Pala Band of Mission Indians
Robert H. Smith, Chairperson
12196 Pala Mission Road Luiseno
Pala , CA 92059 Cupeno
rsmith@palatribe.com
(760) 891-3500

(760) 742-3189 Fax

Torres-Martinez Desert Cahuilla Indians
Michael Mirelez, Cultural Resource Coordinator
P.O. Box 1160 Cahuilla
Thermal , CA 92274
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(760) 399-0022, Ext. 1213

(760) 397-8146 Fax

San Manuel Band of Mission Indians
Lynn Valbuena
26569 Community Center Dr. Serrano
Highland , CA 92346
(909) 864-8933

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San Jacinto Raw Water Conveyance Facility Project, Riverside County

626 Wilshire Boulevard
Suite 1100
Los Angeles, CA 90017
213.599.4300 phone
213.599.4301 fax

www.esassoc.com

September 7, 2018

Anthony Madrigal, Jr., Tribal Historic Preservation Officer
Twenty-Nine Palms Band of Mission Indians
46-200 Harrison Place
Coachella, CA 92236

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Mr. Madrigal:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

The proposed project is the next element of the ERRP to be implemented and would include the construction of a 2.5-mile-long raw water conveyance pipeline to provide increased capacity for imported raw water delivery to the Mountain Avenue recharge sites and EMWD's Integrated Recharge and Recovery Program (IRRP) ponds (collectively referred to as the East Valley Recharge Facilities). EMWD is seeking federal funding for the proposed project through the U.S. Bureau of Reclamation (BOR). Because the proposed project is seeking federal funding, it must comply with Section 106 of the National Historic Preservation Act of 1966 (Section 106). The BOR is the lead federal agency responsible for complying with Section 106.

The proposed project would extend east from the intersection of Warren Road and Esplanade Avenue in the City of San Jacinto into the City of Hemet along Sanderson Avenue and Commonwealth Avenue, where it would connect to existing facilities. Proposed project components include a connection to Metropolitan Water District's (MWD) Inland Feeder Pipeline (referred to as the EM-25 connection), a chlorination and flow control facility, and a 60-inch diameter raw water transmission pipeline to convey the raw water from the connection point to EMWD's existing San Jacinto Valley Feeder Pipeline near the intersection of Kirby Road and Commonwealth Avenue in the City of Hemet. The water would travel through this existing pipeline to the East Valley Recharge Facilities, where it would percolate into the underlying groundwater basin and be extracted when needed. Maximum depths of excavation would extend 12 to 14 feet below the ground surface. The enclosed map shows the Area of Potential Effects (APE) located within Sections 5, 6, 31, and 32 of Township 4 and 5 South, Range 1 West on the Lakeview and San Jacinto, CA U.S. Geological Survey 7.5-minute topographic quadrangles.

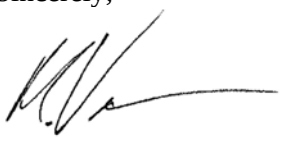
A records search was conducted at the Eastern Information Center (EIC). The records search identified five prehistoric archaeological resources consisting of bedrock millings sites (P-33-001054, -002538, -002539, -002540, and -002541) within a 0.5-mile radius of the proposed project, none of which are within the APE. Of the five sites, the closest is located approximately 1,325 feet (approx. 0.25-mile) from the proposed project. On

August 17, 2018, ESA archaeologists conducted a cultural resources survey of the APE. No archaeological resources were identified as a result of the survey.

In an effort to assist BOR with their Section 106 identification and consultation efforts, ESA is reaching out to Native American Tribes who are culturally and traditionally affiliated with the APE and vicinity. The California Native American Heritage Commission (NAHC) identified you as someone who is affiliated with the APE, and as someone who may have knowledge of resources in the area or an interest in the proposed project. We are writing to request your input on resources that may be within or nearby the APE, and to solicit any concerns you may have regarding the project.

Thank you for your cooperation on this matter. If you have any questions or comments, please contact Michael Vader by phone at 619.719.4195 or by email at mvader@esassoc.com.

Sincerely,



Michael Vader
Cultural Resources Specialist

626 Wilshire Boulevard
Suite 1100
Los Angeles, CA 90017
213.599.4300 phone
213.599.4301 fax

www.esassoc.com

September 7, 2018

Anthony Morales, Chairperson
Gabrieleno/Tongva San Gabriel Band of Mission Indians
P.O. Box 693
San Gabriel, CA 91778

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairperson Morales:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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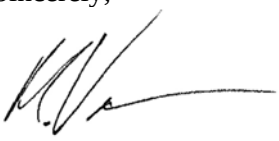

Michael Vader
Cultural Resources Specialist

626 Wilshire Boulevard
Suite 1100
Los Angeles, CA 90017
213.599.4300 phone
213.599.4301 fax

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September 7, 2018

Andrew Salas, Chairperson
Gabrieleno Band of Mission Indians - Kizh Nation
P.O. Box 393
Covina, CA 91723

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairperson Salas:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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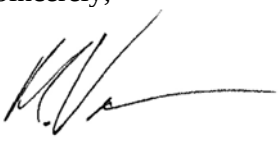

Michael Vader
Cultural Resources Specialist

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213.599.4300 phone
213.599.4301 fax

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September 7, 2018

Amanda Vance, Chairperson
Augustine Band of Cahuilla Indians
P.O. Box 846
Coachella, CA 92236

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairperson Vance:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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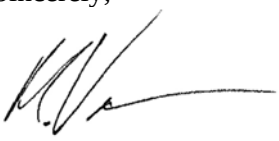
Sincerely,



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Cultural Resources Specialist

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213.599.4300 phone
213.599.4301 fax

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September 7, 2018

Bo Mazzetti, Chairperson
Rincon Band of Luiseno Indians
1 West Tribal Road
Valley Center, CA 92082

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairperson Mazzetti:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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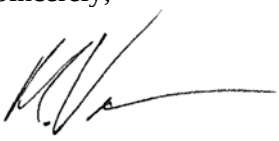

Michael Vader
Cultural Resources Specialist

626 Wilshire Boulevard
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Los Angeles, CA 90017
213.599.4300 phone
213.599.4301 fax

www.esassoc.com

September 7, 2018

Charles F. Wood, Chairperson
Chemehuevi Indian Tribe
P.O. Box 1976
Havasu Lake, CA 92363

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairperson Wood:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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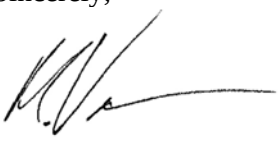

Michael Vader
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September 7, 2018

Darrell Mike, Chairperson
Twenty-Nine Palms Band of Mission Indians
46-200 Harrison Place
Coachella, CA 92236

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairperson Mike:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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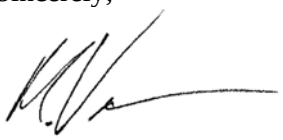

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September 7, 2018

Dennis Patch, Chairman
Colorado River Indian Tribes of the Colorado River Indian Reservation
26600 Mojave Road
Parker, AZ 85344

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairman Patch:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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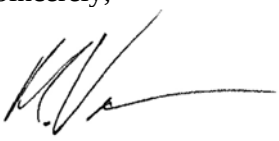

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September 7, 2018

Daniel Salgado, Chairperson
Cahuilla Band of Indians
52701 U. S. Highway 371
Anza, CA 92539

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairperson Salgado:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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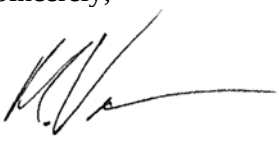

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September 7, 2018

Doug Welmas. Chairperson
Cabazon Band of Mission Indians
84-245 Indio Sorinas Parkway
Indio, CA 92203

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairperson Welmas:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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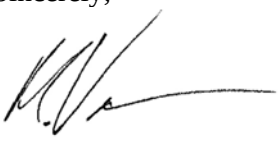

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September 7, 2018

Goldie Walker, Chairperson
Serrano Nation of Mission Indians
P.O. Box 343
Patton, CA 92369

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairperson Walker:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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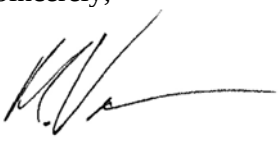

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September 7, 2018

Jeff Grubbe, Chairperson
Agua Caliente Band of Cahuilla Indians
5401 Dinah Shore Drive
Palm Springs, CA 92264

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairperson Grubbe:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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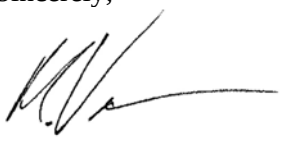

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September 7, 2018

Joseph Hamilton, Chairman
Ramona Band of Cahuilla
P.O. Box 391670
Anza, CA 92539

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairman Hamilton:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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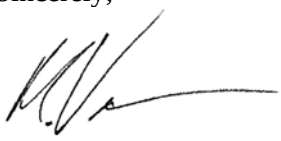

Michael Vader
Cultural Resources Specialist

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September 7, 2018

Joseph Ontiveros, Cultural Resource Department
Soboba Band of Luiseno Indians
P.O. BOX 487
San Jacinto, CA 92581

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Mr. Ontiveros:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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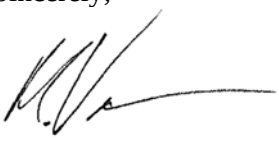

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September 7, 2018

Joyce Perry, Tribal Manager
Juaneño Band of Mission Indians Acjachemen Nation·
4955 Paseo Segovia
Irvine, CA 92612

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Ms. Perry:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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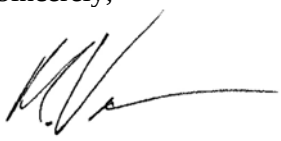

Michael Vader
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September 7, 2018

Lee Clauss. CRM Department Director
San Manuel Band of Mission Indians
26569 Community Center Drive
Highland. CA 92346

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Ms. Clauss:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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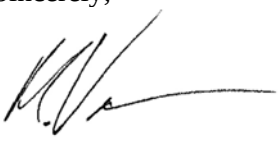

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September 7, 2018

Lynn Valbuena
San Manuel Band of Mission Indians
26569 Community Center Dr.
Highland, CA 92346

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Ms. Valbuena:

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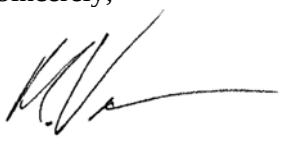

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September 7, 2018

Matias Belardes, Chairperson
Juaneño Band of Mission Indians Acjachemen Nation
32161 Avenida Los Amigos
San Juan Capistrano, CA 92675

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairperson Belardes:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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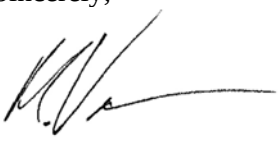

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September 7, 2018

Michael Jackson, Sr., President
Quechan Tribe of the Fort Yuma Indian Reservation
P.O. Box 1899
Yuma, AZ 85366

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Mr. Jackson:

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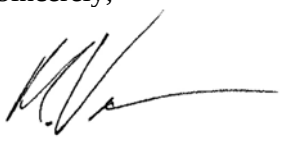

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September 7, 2018

Mark Macarro, Chairman
Pechanga Band of Luiseno Indians
P.O. Box 1477
Temecula, CA 92593

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairman Macarro:

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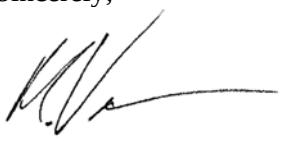

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September 7, 2018

Michael Mirelez, Cultural Resource Coordinator
Torres-Martinez Desert Cahuilla Indians
P.O. Box 1160
Thermal, CA 9227 4

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Mr. Mirelez:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

The proposed project is the next element of the ERRP to be implemented and would include the construction of a 2.5-mile-long raw water conveyance pipeline to provide increased capacity for imported raw water delivery to the Mountain Avenue recharge sites and EMWD's Integrated Recharge and Recovery Program (IRRP) ponds (collectively referred to as the East Valley Recharge Facilities). EMWD is seeking federal funding for the proposed project through the U.S. Bureau of Reclamation (BOR). Because the proposed project is seeking federal funding, it must comply with Section 106 of the National Historic Preservation Act of 1966 (Section 106). The BOR is the lead federal agency responsible for complying with Section 106.

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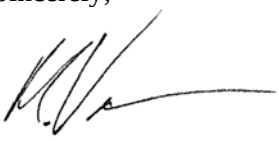

Michael Vader
Cultural Resources Specialist

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September 7, 2018

Patricia Garcia-Plotkin, Tribal Historic Preservation Officer
Agua Caliente Band of Cahuilla Indians
5401 Dinah Shore Drive
Palm Springs, CA 92264

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Ms. Garcia-Plotkin:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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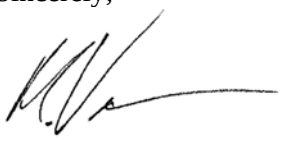

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September 7, 2018

Robert Martin. Chairperson
Morongo Band of Mission Indians
12700 Pumarra Road
Banning CA 92220

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairperson Martin:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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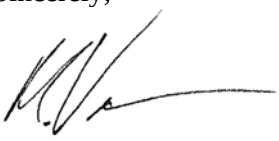

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September 7, 2018

Robert H. Smith, Chairperson
Pala Band of Mission Indians
12196 Pala Mission Road
Pala, CA 92059

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairperson Smith:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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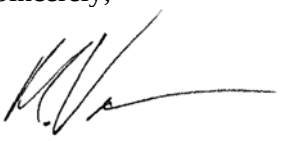

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September 7, 2018

Shane Chapparosa, Chairman
Los Coyotes Band of Cahuilla and Cupeño Indians
P.O. Box 189
Warner Springs, CA 92086-01

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairman Chapparos:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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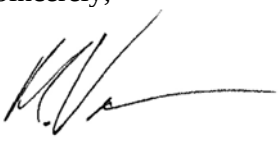

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September 7, 2018

Steven Estrada, Chairman
Santa Rosa Band of Cahuilla Indians
P.O. Box 391820
Anza, CA 92539

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairman Estrada:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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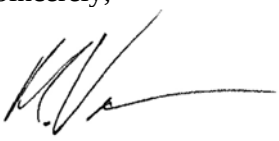

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September 7, 2018

Shasta Gaughen, Tribal Historic Preservation Officer
Pala Band of Mission Indians
PMB 50. 35008 Pala Temecula Rd.
Pala, CA 92059

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Ms. Gaughen:

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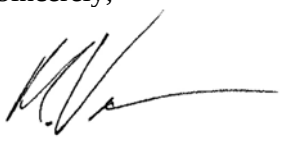

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September 7, 2018

Sandonne Goad, Chairperson
Gabrielino /Tongva Nation
106 1/2 Judge John Aiso St., #231
Los Angeles, CA 90012

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairperson Goad:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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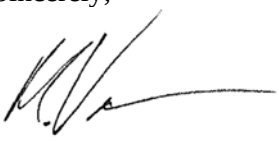

Michael Vader
Cultural Resources Specialist

626 Wilshire Boulevard
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213.599.4300 phone
213.599.4301 fax

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September 7, 2018

Sonia Johnston, Tribal Chairperson
Juaneño Band of Mission Indians
P.O. Box 25628
Santa Ana, CA 92799

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairperson Johnston:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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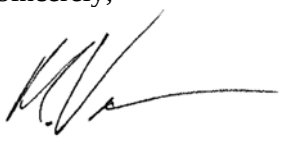

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September 7, 2018

Tribal Council
San Luis Rev Band of Mission Indians
1889 Sunset Drive
Vista, CA 92081

Subject: San Jacinto Raw Water Conveyance Facilities Project

Tribal Council:

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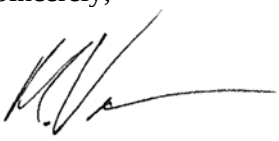

Michael Vader
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September 7, 2018

Temet Aguilar, Chairperson
Pauma Band of Luiseno Indians
P.O. Box 369
Pauma Valley, CA 92061

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairperson Aguilar:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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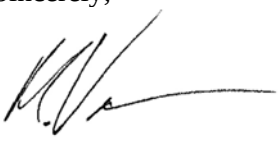

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September 7, 2018

Thomas Rodriguez, Chairperson
La Jolla Band of Luiseno Indians
22000 Highway 76
Pauma Valley, CA 92061

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairperson Rodriguez:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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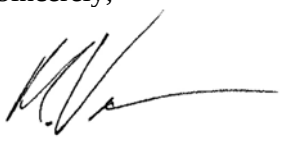

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September 7, 2018

Teresa Romero, Chairwoman
Juaneño Band of Mission Indians Acjachemen Nation
31411-A La Matanza Street
San Juan Capistrano, CA 92675

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairwoman Romero:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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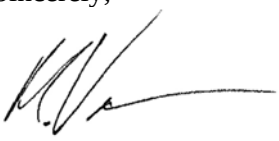

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September 7, 2018

Timothy Williams, Chairperson
Fort Mojave Indian Tribe
500 Merriman Ave
Needles CA 92363

Subject: San Jacinto Raw Water Conveyance Facilities Project

Dear Chairperson Williams:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project is a component of the San Jacinto Valley Water Banking-Enhanced Recharge and Recovery Program (SJVWB-ERRP) and would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity.

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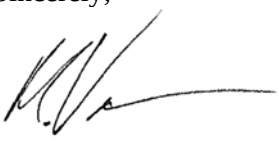


Michael Vader
Cultural Resources Specialist

MORONGO BAND OF MISSION INDIANS
TRIBAL HISTORIC PRESERVATION OFFICE
12700 PUMARRA RD BANNING, CA 92220
OFFICE 951-755-5059 FAX 951-572-6004

Date: 9/14/2018

Re: San Jacinto Raw Water Conveyance Facilities Project

Dear,
Michael Vader
Cultural Resources Specialist
ESA

Thank you for contacting the Morongo Band of Mission Indians (MBMI) Cultural Heritage Department regarding the above referenced project. After conducting a preliminary review of the project, the tribe would like to respectfully issue the following comments and/or requests:

☒ The project is located within the Tribe's aboriginal territory or in an area considered to be a traditional use area or one in which the Tribe has cultural ties.

The proposed San Jacinto Raw Water project is in an area of known Cahuilla cultural resources and exists within a broader pattern of tribal cultural resources in the area. In order to further evaluate the project for potential impacts to tribal cultural resources, we would like to formally request the following:

- ☒ A thorough records search be conducted by contacting one of the California Historical Resources Information System (CHRIS) Archaeological Information Centers and a copy of the search results be provided to the tribe.
- ☒ Tribal monitor participation during the initial pedestrian field survey of the Phase I Study of the project and a copy of the results of that study. In the event the pedestrian survey has already been conducted, MBMI requests a copy of the Phase I study be provided to the tribe as soon as it can be made available.
- ☒ MBMI Tribal Cultural Resource Monitor(s) be present during all required ground disturbing activities pertaining to the project.

Sincerely,

Travis Armstrong
Tribal Historic Preservation Officer
Morongo Band of Mission Indians
Email: thpo@morongo-nsn.gov
Phone: (951) 755-5259

September 19, 2018

Attn: Michael Vader
Cultural Resources Specialist
ESA
626 Wilshire Boulevard, Suite 1100
Los Angeles, CA 90017

RE: San Jacinto Raw Water Conveyance Facilities Project

The Soboba Band of Luiseño Indians appreciates your observance of Tribal Cultural Resources and their preservation in your project. The information provided to us on said project has been assessed through our Cultural Resource Department, where it was concluded that although it is outside the existing reservation, the project area does fall within the bounds of our Tribal Traditional Use Areas. This project location is in proximity to known sites, and is considered to be culturally sensitive by the people of Soboba.

Soboba Band of Luiseño Indians is requesting the following:

1. To initiate a consultation with the project proponents and lead agency.

2. The transfer of information to the Soboba Band of Luiseno Indians regarding the progress of this project should be done as soon as new developments occur.

3. Soboba Band of Luiseño Indians continues to act as a consulting tribal entity for this project.

4. Working in and around traditional use areas intensifies the possibility of encountering cultural resources during the construction/excavation phase. For this reason the Soboba Band of Luiseño Indians requests that Native American Monitor(s) from the Soboba Band of Luiseño Indians Cultural Resource Department to be present during any ground disturbing proceedings. Including surveys and archaeological testing.

5. Request that proper procedures be taken and requests of the tribe be honored (Please see the attachment)

Multiple areas containing cultural resources were identified during an in-house database search. The specifics for the resources will be discussed in consultation with the lead agency.

Sincerely,

Joseph Ontiveros, Tribal Historic Preservation Officer
Soboba Band of Luiseño Indians
P.O. Box 487
San Jacinto, CA 92581
Phone (951) 654-5544 ext. 4137
Cell (951) 663-5279
jontiveros@soboba-nsn.gov

Michael Vader

From: Sarah Bliss <sbliss@spotlight29.com>
Sent: Monday, September 17, 2018 11:29 AM
To: Michael Vader
Cc: TNP Consultation
Subject: San Jacinto Raw Water Conveyance Facilities Project

Hello,

In regards to the San Jacinto Raw Water Conveyance Facilities Project, the Twenty-Nine Palms Band of Mission Indians Tribal Historic Preservation Office (THPO) is not aware of any additional cultural resources or any cultural properties (as defined by 36 CFR PART 800 of the National Historic Preservation Act) within the project area. If there are any inadvertent discoveries, please consult the lead agency to contact the Tribe and THPO.

Additionally, if you have any questions, please do not hesitate to contact the Tribal Historic Preservation Office at (760) 775-3259 or by email: TNPConsultation@29palmsbomi-nsn.gov.

Thank you,

Sarah Bliss
Twenty-Nine Palms Band of Mission Indians
Cultural Resources Manager
46-200 Harrison Place, Coachella, CA 92236
Ofc: (760) 863-2489
Cell: (760) 702-0679
E-mail: sbliss@29palmsbomi-nsn.gov
https://www.29palmstribe.org/historic-preservation

Disclaimer Notice***This message is intended solely for the designated recipient(s). It may contain confidential or proprietary information and may be subject to confidentiality protections. If you are not a designated recipient you may not review, copy, distribute this message. If you receive this in error, please notify the sender by reply e-mail and delete this message. Thank you.***

Michael Vader

From: Cultural Department <culturaldirector@cahuilla.net>
Sent: Monday, September 24, 2018 4:26 PM
To: Michael Vader
Cc: anthonymad2002@gmail.com
Subject: Re: San Jacinto Raw Water Conveyance Facilities Project

Follow Up Flag: Flag for follow up
Flag Status: Flagged

Dear Mr. Vader,

The Cahuilla Band of Indians received your letter of September 7, 2018 regarding the San Jacinto Raw Water Conveyance Facilities Project, Riverside County, Ca. The Cahuilla Band does not have knowledge of any cultural resources/sites within or near the project area. Although this project is outside the Cahuilla reservation boundary, it is within the Cahuilla traditional land use area. We respectfully request to be notified of all updates and/or changes with the project moving forward and appreciate your help in preserving Tribal Cultural Resources in your project.

Respectfully,

BobbyRay Esparza
Cultural Coordinator
Cahuilla Band of Indians
Cell: (760)423-2773
Office: (951)763-5549
Fax:(951)763-2808

Michael Vader

From: Cultural Department <culturaldirector@cahuilla.net>
Sent: Thursday, October 4, 2018 2:30 PM
To: Fatima Clark
Cc: anthony madrigal; Michael Vader
Subject: Re: San Jacinto Raw Conveyance Facilities Project

Dear Ms. Clark,

The Cahuilla Band of Indians received your letter of September 7, 2018 regarding the San Jacinto Raw Water Conveyance Facilities Project, Riverside County, Ca. The Cahuilla Band would like to express concern that there is the possibility of unearthing cultural resources during construction and request tribal monitors be present during all ground disturbing activities. Although this project is outside the Cahuilla reservation boundary, it is within the Cahuilla traditional land use area. We respectfully request to be notified of all updates and/or changes with the project moving forward and appreciate your help in preserving Tribal Cultural Resources in your project.

Respectfully,

BobbyRay Esparza
Cultural Coordinator
Cahuilla Band of Indians
Cell: (760)423-2773
Office: (951)763-5549
Fax:(951)763-2808

Michael Vader

From: Jessica Mauck <JMauck@sanmanuel-nsn.gov>
Sent: Wednesday, September 26, 2018 12:22 PM
To: Michael Vader
Subject: San Jacinto Raw Water Conveyance Facilities Project

Hello Michael,

Thank you for contacting the San Manuel Band of Mission Indians (SMBMI) regarding the above referenced project. SMBMI appreciates the opportunity to review the project documentation, which was received by our Cultural Resources Management Department on 11 September 2018. The proposed project is located outside of Serrano ancestral territory and, as such, SMBMI will not be requesting consulting party status with the lead agency or requesting to participate in the scoping, development, and/or review of documents created pursuant to these legal and regulatory mandates.

Regards,

Jessica Mauck
CULTURAL RESOURCES ANALYST
O: (909) 864-8933 x3249
M: (909) 725-9054
26569 Community Center Drive Highland California 92346
SAN MANUEL
BAND OF MISSION INDIANS

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. If the reader of this message is not the intended recipient or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination or copying of this communication is strictly prohibited. If you have received this electronic transmission in error, please delete it from your system without copying it and notify the sender by reply e-mail so that the email address record can be corrected. Thank You

AGUA CALIENTE BAND OF CAHUILLA INDIANS

TRIBAL HISTORIC PRESERVATION

03-058-2015-001

September 27, 2018

[VIA EMAIL TO:mvader@esassoc.com]
ESA
Mr. Michael Vader
6216 Wilshire Blvd, Suite 1100
Los Angeles, CA 90017

Re: San Jacinto Raw Water Conveyance Facilities

Dear Mr. Michael Vader,

The Agua Caliente Band of Cahuilla Indians (ACBCI) appreciates your efforts to include the Tribal Historic Preservation Office (THPO) in the San Jacinto Valley Enhanced Recharge and Recovery project. The project area is not located within the boundaries of the ACBCI Reservation. However, it is within the Tribe's Traditional Use Area. For this reason, the ACBCI THPO requests the following:

*At this time ACBCI defers to Soboba. This letter shall conclude our consultation efforts.

Again, the Agua Caliente appreciates your interest in our cultural heritage. If you have questions or require additional information, please call me at (760)699-6956. You may also email me at ACBCI-THPO@aguacaliente.net.

Cordially,

Lacy Padilla
Archaeological Technician
Tribal Historic Preservation Office
AGUA CALIENTE BAND
OF CAHUILLA INDIANS

RINCON BAND OF LUISEÑO INDIANS

Cultural Resources Department

1 W. Tribal Road · Valley Center, California 92082 ·
(760) 297-2635 Fax:(760) 692-1498

October 1, 2018

Michael Vader
ESA
626 Wilshire Blvd, Suite 1100
Los Angeles, CA 90017

Re: San Jacinto Raw Water Conveyance Facilities Project

Dear Mr. Vader,

This letter is written on behalf of the Rincon Band of Luiseño Indians. We have received your notification regarding the above referenced project and we thank you for the opportunity to provide information pertaining to cultural resources. The identified location is within the Territory of the Luiseño people, and is also within Rincon's specific area of Historic interest.

Embedded in the Luiseño territory are Rincon's history, culture and identity. We have knowledge of one Luiseño Place Name, *Cháppava,* approximately one (1) mile to the southeast of the project area. We recommend that a cultural study be conducted for this project, to include an archeological record search. In addition, we ask that a copy of the cultural study be provided to the Rincon Band.

If you have additional questions or concerns please do not hesitate to contact our office at your convenience at (760) 297-2635.

Thank you for the opportunity to protect and preserve our cultural assets.

Sincerely,

Destiny Colocho
Tribal Historic Preservation Officer
Rincon Cultural Resources Department

Bo Mazzetti, Tribal Chairman | Tishmall Turner, Vice Chairwoman | Steve Stallings, Council Member | Laurie E. Gonzalez, Council Member | Alfonso Kolb, Council Member

Michael Vader

From: Cultural Pauma <cultural@pauma-nsn.gov>
Sent: Tuesday, October 2, 2018 10:55 AM
To: Michael Vader
Cc: Dixon, Patti; Jeremy Zagarella; jontiveros@soboba-nsn.gov
Subject: San Jacinto Raw Water Conveyance Facilities Project

Mr. Vader,

The Cultural Office of the Pauma Band of Luiseno Indians has received your September 7 notice for the San Jacinto Raw Water Conveyance Facilities Project. Your project lies within the ancestral territory of the Luiseno people. At this time, we will defer to the Soboba Band of Luiseno Indians any knowledge of cultural sites or resources within or near the project area. Please contact us if there are any questions.

Thank you,

Mr. Chris Devers
Cultural Liaison
Pauma Band of Luiseno Indians

Appendix D
Historic Society Outreach

626 Wilshire Boulevard
Suite 1100
Los Angeles, CA 90017
213.599.4300 phone
213.599.4301 fax

www.esassoc.com

September 18, 2018

Hemet Heritage Foundation
P.O. Box 334
Hemet, CA 92546

Subject: San Jacinto Raw Water Conveyance Facilities Project

To whom it may concern:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity. The proposed project would include the construction of a 2.5-mile-long raw water conveyance pipeline to provide increased capacity for imported raw water delivery to the Mountain Avenue recharge sites and EMWD's Integrated Recharge and Recovery Program (IRRP) ponds (collectively referred to as the East Valley Recharge Facilities).

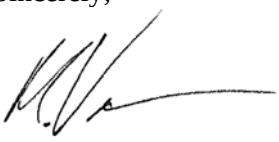
The proposed project would extend east from the intersection of Warren Road and Esplanade Avenue in the City of San Jacinto into the City of Hemet along Sanderson Avenue and Commonwealth Avenue, where it would connect to existing facilities. Proposed project components include a connection to Metropolitan Water District's (MWD) Inland Feeder Pipeline (referred to as the EM-25 connection), a chlorination and flow control facility, and a 60-inch diameter raw water transmission pipeline to convey the raw water from the connection point to EMWD's existing San Jacinto Valley Feeder Pipeline near the intersection of Kirby Road and Commonwealth Avenue in the City of Hemet. The water would travel through this existing pipeline to the East Valley Recharge Facilities, where it would percolate into the underlying groundwater basin and be extracted when needed. Maximum depths of excavation would extend 12 to 14 feet below the ground surface. The enclosed map shows the proposed project located within Sections 5, 6, 31, and 32 of Township 4 and 5 South, Range 1 West on the Lakeview and San Jacinto, CA U.S. Geological Survey 7.5-minute topographic quadrangles.

A records search for the proposed project was conducted at the California Historical Resources Inventory System (CHRIS) Eastern Information Center (EIC) that identified two previously recorded cultural resources within 100 feet of the proposed project: the San Diego Aqueduct (P-33-015734) and the Braswell Property (P-33-015749). The San Diego Aqueduct (P-33-015734) has been previously recommended eligible for listing in the National Register of Historic Places (NRHP), and qualifies as a historic property under Section 106. The Braswell Property has been previously recommended as ineligible and does not qualify as a historic property under Section 106. A cultural resources survey conducted on August 17, 2018, did not identify additional cultural resources.

EMWD is seeking federal funding for the proposed project from the U.S. Bureau of Reclamation (Reclamation). In an effort to assist Reclamation with their Section 106 identification efforts, ESA is reaching out to local museums and historical societies that may be able to provide information regarding potential cultural resources that may be located within or adjacent to the proposed project. ESA is requesting that if your organization has any

concerns regarding the proposed project or can provide any further information regarding potential cultural resources to please contact me at 619.719.4195 or at mvader@esassoc.com. Thank you for your time and cooperation regarding this matter.

Sincerely,



Michael Vader
Cultural Resources Specialist

626 Wilshire Boulevard
Suite 1100
Los Angeles, CA 90017
213.599.4300 phone
213.599.4301 fax

www.esassoc.com

September 18, 2018

Hemet San Jacinto Genealogical Society
P.O. Box 2516
Hemet, CA 92546

Subject: San Jacinto Raw Water Conveyance Facilities Project

To whom it may concern:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity. The proposed project would include the construction of a 2.5-mile-long raw water conveyance pipeline to provide increased capacity for imported raw water delivery to the Mountain Avenue recharge sites and EMWD's Integrated Recharge and Recovery Program (IRRP) ponds (collectively referred to as the East Valley Recharge Facilities).

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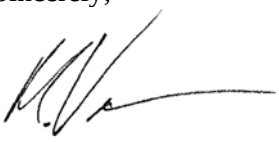
Sincerely,



Michael Vader
Cultural Resources Specialist

626 Wilshire Boulevard
Suite 1100
Los Angeles, CA 90017
213.599.4300 phone
213.599.4301 fax

www.esassoc.com

September 18, 2018

Western Science Center
2345 Searl Parkway
Hemet, CA 92543

Subject: San Jacinto Raw Water Conveyance Facilities Project

To whom it may concern:

The Eastern Municipal Water District (EMWD) has retained Environmental Science Associates (ESA) to conduct a cultural resources assessment for the San Jacinto Valley Raw Water Conveyance Facilities Project (proposed project). The proposed project would provide a water conveyance system that would work in conjunction with EMWD's existing facilities to provide additional groundwater recharge and banking capacity. The proposed project would include the construction of a 2.5-mile-long raw water conveyance pipeline to provide increased capacity for imported raw water delivery to the Mountain Avenue recharge sites and EMWD's Integrated Recharge and Recovery Program (IRRP) ponds (collectively referred to as the East Valley Recharge Facilities).

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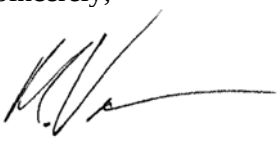
Sincerely,



Michael Vader
Cultural Resources Specialist

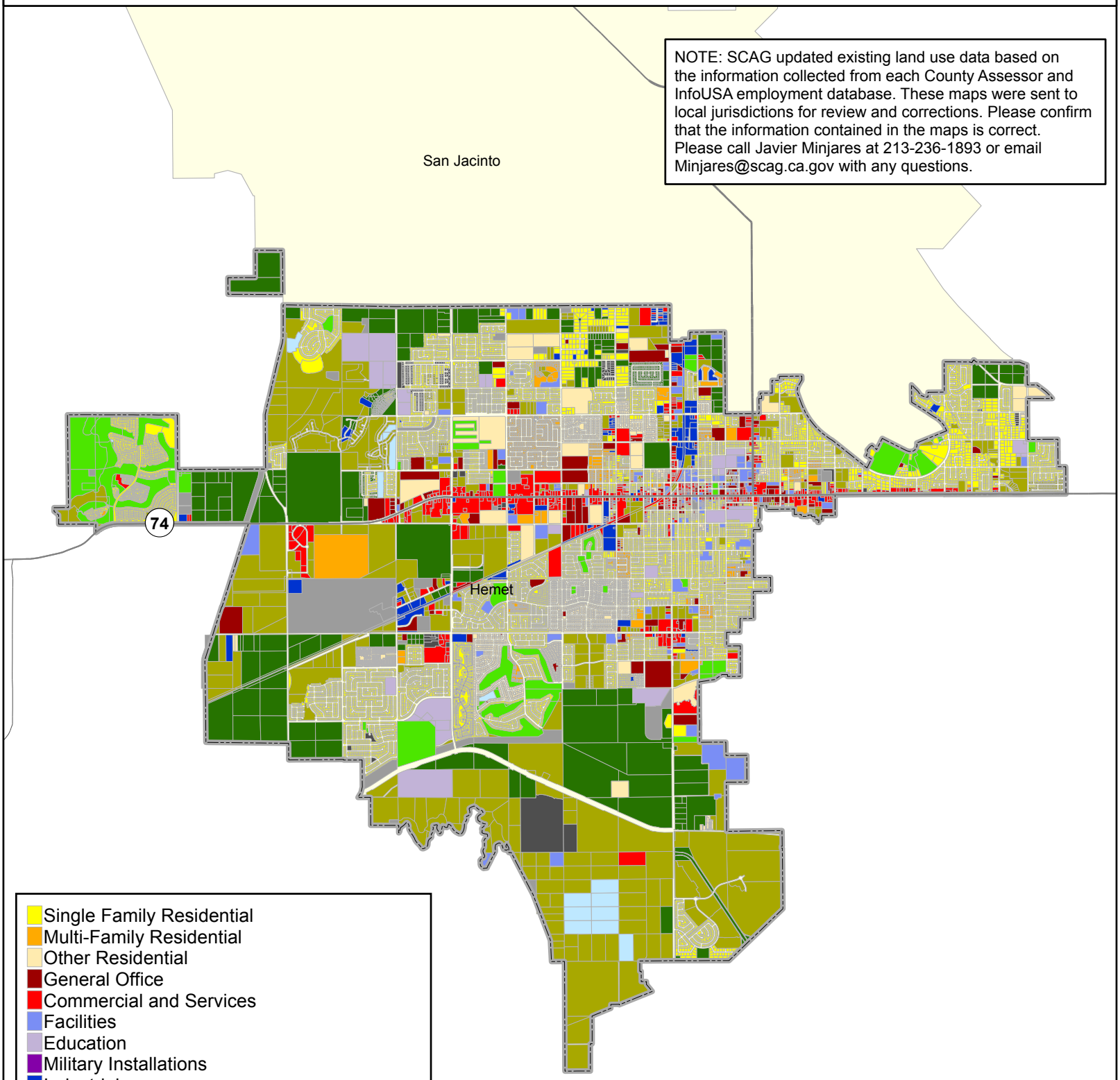
Appendix LU
Land Use Designation Maps

APPENDIX LU

Land Use Designation Maps

Existing Land Use in City of Hemet

NOTE: SCAG updated existing land use data based on the information collected from each County Assessor and InfoUSA employment database. These maps were sent to local jurisdictions for review and corrections. Please confirm that the information contained in the maps is correct. Please call Javier Minjares at 213-236-1893 or email Minjares@scag.ca.gov with any questions.



- Single Family Residential
- Multi-Family Residential
- Other Residential
- General Office
- Commercial and Services
- Facilities
- Education
- Military Installations
- Industrial
- Transportation, Communications, and Utilities
- Mixed Commercial and Industrial
- Mixed Urban
- Open Space and Recreation
- Agriculture
- Vacant
- Water
- Under Construction
- Undevelopable
- Unknown

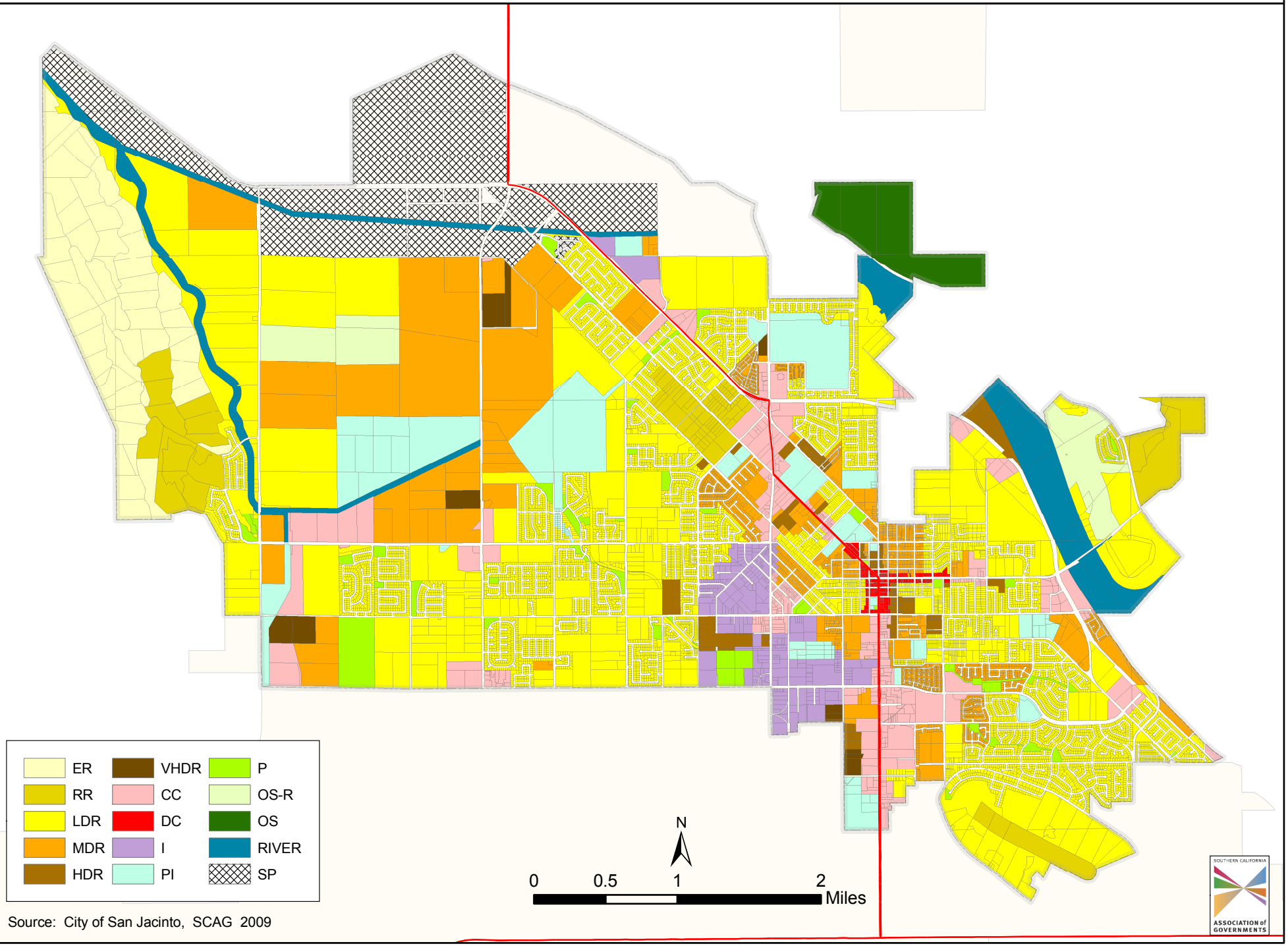
Source: SCAG 2008

0 0.45 0.9 1.8 Miles

N

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

General Plan Land Use in City of San Jacinto



Source: City of San Jacinto, SCAG 2009

Appendix NOI
Noise Calculation Worksheets

Project: San Jacinto Valley Raw Water Conveyance Facilities

Construction Noise Impact on Sensitive Receptors

Parameters

Leq to L10 factor	3

				Sensitive Receptors				
Construction Phase **Equipment Type**	**No. of Equip.**	**Reference Noise Level at 50ft, Lmax**	**Acoustical Usage Factor**	**Distance (ft)**	**Lmax**	**Leq**	**L10**	**Estimated Noise Shielding, dBA**
EM-25, FC & Disinfection Facility								
Site Preparation					**85**	***81***		
Graders	1	85	40%	50	85	81	84	
Rubber Tired Dozer	1	79	40%	150	69	65	68	0
Tractor/Loader/Backhoe	1	80	25%	150	70	64	67	0
Dump/Haul Trucks	1	76	40%	150	66	62	65	0
Excavation/Mass Site Grading					**85**	***81***		
Graders	1	85	40%	50	85	81	84	0
Rubber Tired Dozer	1	79	40%	150	69	65	68	0
Tractor/Loader/Backhoe	1	80	25%	150	70	64	67	0
Dump/Haul Trucks	1	76	40%	150	66	62	65	0
Facility Installation					**81**	***79***		
Generator Sets	1	81	50%	50	81	78	81	
Concrete Mixer Trucks	1	79	40%	150	69	65	68	0
Backhoe	1	78	40%	150	68	64	67	0
Welders	1	74	40%	150	64	60	63	0
Compactor (Ground)	1	83	20%	150	73	66	69	0
Pipe Installation Daytime (Commonwealth Avenue)								
Demolition					**87**	***84***		
Excavator	1	81	40%	25	87	83	86	
Tractor/Loader/Backhoe	1	80	25%	125	72	66	69	0
Concrete Saw	1	90	20%	125	82	75	78	0
Excavation/Trenching					**90**	***86***		
Scrapers	1	84	40%	25	90	86	89	0
Rubber Tired Dozer	1	79	40%	125	71	67	70	0
Tractor/Loader/Backhoe	1	80	25%	125	72	66	69	0
Excavator	1	81	40%	125	73	69	72	0
Paving					**85**	***81***		
Cement and Mortar Mixers	1	79	40%	25	85	81	84	0
Paver	1	77	50%	125	69	66	69	0
Roller	1	80	20%	125	72	65	68	0
Tractor/Loader/Backhoe	1	80	25%	125	72	66	69	0
Pipe Installation Daytime (Esplanade Avenue and Sanderson Avenue)								
Demolition					**81**	***79***		
Excavator	1	81	40%	50	81	77	80	
Tractor/Loader/Backhoe	1	80	25%	150	70	64	67	0
Concrete Saw	1	90	20%	150	80	73	76	0
Excavation/Trenching					**84**	***81***		
Scrapers	1	84	40%	50	84	80	83	
Rubber Tired Dozer	1	79	40%	150	69	65	68	0
Tractor/Loader/Backhoe	1	80	25%	150	70	64	67	0
Excavator	1	81	40%	150	71	67	70	0
Paving					**79**	***76***		
Cement and Mortar Mixers	1	79	40%	50	79	75	78	
Paver	1	77	50%	150	67	64	67	0
Roller	1	80	20%	150	70	63	66	0
Tractor/Loader/Backhoe	1	80	25%	150	70	64	67	0
Pipe Installation Nighttime (Intersection of Esplanade Avenue and Sanderson Avenue)								
Demolition					**74**	***70***		
Excavator	1	81	40%	200	69	65	68	
Tractor/Loader/Backhoe	1	80	25%	300	64	58	61	0
Concrete Saw	1	90	20%	300	74	67	70	0
Excavation/Trenching					**72**	***70***		
Scrapers	1	84	40%	200	72	68	71	
Rubber Tired Dozer	1	79	40%	300	63	59	62	0
Tractor/Loader/Backhoe	1	80	25%	300	64	58	61	0
Excavator	1	81	40%	300	65	61	64	0
Paving					**67**	***66***		
Cement and Mortar Mixers	1	79	40%	200	67	63	66	
Paver	1	77	50%	300	61	58	61	0
Roller	1	80	20%	300	64	57	60	0
Tractor/Loader/Backhoe	1	80	25%	300	64	58	61	0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: San Jacinto Valley Raw Water Conveyance Facilities

Construction Noise Impact on Sensitive Receptors - MITIGATED

Parameters

Leq to L10 factor	3

				Sensitive Receptors				
Construction Phase **Equipment Type**	**No. of Equip.**	**Reference Noise Level at 50ft, Lmax**	**Acoustical Usage Factor**	**Distance (ft)**	**Lmax**	**Leq**	**L10**	**Estimated Noise Shielding, dBA**
Pipe Installation Nighttime (Intersection of Esplanade Avenue and Sanderson Avenue)								
Demolition					**57**	***53***		
Excavator	1	81	40%	200	52	48	51	17
Tractor/Loader/Backhoe	1	80	25%	300	47	41	44	17
Concrete Saw	1	90	20%	300	57	50	53	17
Excavation/Trenching					**55**	***53***		
Scrapers	1	84	40%	200	55	51	54	17
Rubber Tired Dozer	1	79	40%	300	46	42	45	17
Tractor/Loader/Backhoe	1	80	25%	300	47	41	44	17
Excavator	1	81	40%	300	48	44	47	17
Paving					**50**	***49***		
Cement and Mortar Mixers	1	79	40%	200	50	46	49	17
Paver	1	77	50%	300	44	41	44	17
Roller	1	80	20%	300	47	40	43	17
Tractor/Loader/Backhoe	1	80	25%	300	47	41	44	17

Source for Ref. Noise Levels: FHWA RCNM, 2006

TRAFFIC NOISE ANALYSIS TOOL

Project Name: San Jacinto Valley Raw Water Conveyance Facilities
Analysis Scenario:
Source of Traffic Volumes:

Roadway Segment	Ground Type	Distance from Roadway to Receiver (feet)	Speed (mph)			Peak Hour Volume			Peak Hour Noise Level (Leq(h) dBA)
			Auto	MT	HT	Auto	MT	HT	
Esplanade Avenue	Hard	40	35	35	35	15	0	1	49.8
Warren Road	Hard	40	35	35	35	15	0	1	49.8
Sanderson Avenue	Hard	100	35	35	35	15	0	1	45.8
Commonwealth Avenue	Hard	33	35	35	35	15	0	1	50.6

Model Notes:
The calculation is based on the methodology described in FHWA Traffic Noise Model Technical Manual (1998).
The peak hour noise level at 50 feet was validated with the results from FHWA Traffic Noise Model Version 2.5.
Accuracy of the calculation is within ±0.1 dB when comparing to TNM results.
Noise propagation greater than 50 feet is based on the following assumptions:
For hard ground, the propagation rate is 3 dB per doubling the distance.
For soft ground, the propagation rate is 4.5 dB per doubling the distance.
Vehicles are assumed to be on a long straight roadway with cruise speed.
Roadway grade is less than 1.5%.
CNEL levels were obtained based on Figure 2-19, on page 2-58 Caltran's TeNS 2013.