MITIGATION MONITORING AND REPORTING PLAN

1 Introduction

In accordance with CEQA, an IS/MND that identified adverse impacts related to the construction activity for Jeffries Tank and Plant Improvements Project was prepared. The MND identified mitigation measures that would reduce or eliminate these impacts to below the level of significance.

Section 21081.6 of the Public Resources Code and Sections 15091(d) and 15097 of the State CEQA Guidelines require public agencies to adopt a reporting and monitoring plan for changes to the project which it has adopted or made a condition of project approval in order to mitigate or avoid significant effects on the environment. A Mitigation Monitoring and Reporting Plan (MMRP) is required for the Proposed Project because the IS/MND identified potentially significant adverse impacts related to construction activity, and mitigation measures have been identified to mitigate these impacts. Adoption of the MMRP will occur along with approval of the Proposed Project.

2 Purpose of the Mitigation Monitoring and Reporting Plan

This MMRP has been prepared to ensure that all required mitigation measures are implemented and completed according to schedule and maintained in a satisfactory manner during the construction and operation of the Proposed Project, as required. The MMRP may be modified by the Lead Agency during project implementation, as necessary, in response to changing conditions or other project refinements. The MMRP table has been prepared to assist the responsible parties in implementing the MMRP. This table identifies the category of environmental impact(s), individual mitigation measures, monitoring and mitigation timing, responsible person/agency for implementing the measure, and reporting method to confirm implementation of the mitigation measures. The numbering of the mitigation measures follows the numbering sequence in the IS/MND.

3 Roles and Responsibilities

The State Water Resources Control Board, as Lead Agency, is responsible for oversight of compliance of the mitigation measures in the MMRP.

4 Mitigation Monitoring and Reporting Plan

The column categories identified in the MMRP table are described below.

- **Mitigation Measure** – This column lists the mitigation measures by number.
- **Responsibility for Implementation** – This column provides the agency responsible for oversight of the mitigation implementation.

- **Method of Compliance** – this column indicates which entity will oversee implementation of the measure, conduct the actual monitoring and reporting, and take corrective actions when a measure has not been properly implemented.
- **Timing/Frequency**– This column lists the timing of each activity, and the frequency/schedule of monitoring for each activity.
- **Reporting** – This column identifies the entity responsible for complying with the requirements of the mitigation measure and reporting method to confirm implementation of the mitigation measures.

Jeffries Tank and Plant Improvements Project
Mitigation Monitoring and Reporting Plan
Table

Mitigation Measure	Responsibility for Implementation	Method of Compliance	Timing/Frequency	Reporting
Biology Resources Mitigation Measures				
BIO-1: Pre-Construction Nesting Bird Survey: If construction (including vegetation removal) or tree trimming activities are scheduled to occur during the bird breeding season (February 15 through August 31), a pre-construction nesting-bird survey shall be conducted by a qualified avian biologist to ensure that active bird nests will not be disturbed or destroyed on the Project Site. The survey shall be completed no more than three days prior to initial ground disturbance. If an active nest is identified, the biologist shall establish an appropriately sized disturbance limit buffer around the nest using flagging or staking. Project-related activities shall not occur within any disturbance limit buffer zones until the nest is deemed inactive by the qualified biologist.	**Project Biologist and Golden State Water Company Project Engineer**	Golden State Water Company Project Engineer will ensure that all pre-construction surveys are completed prior to construction. A qualified biologist will perform the survey. If an active nest is identified, a qualified avian biologist shall establish an appropriate non-disturbance limit buffer around the nest using flagging or staking. Construction activities shall not occur within any disturbance limit buffer zones until the nest is deemed inactive by the qualified biologist.	**Timing:** No more than three days prior to ground disturbing activities if Project activities are scheduled to occur during the bird breeding season (February 1 through August 31). **Frequency:** One time.	Golden State Water Company will notify the State Water Board when the surveys are completed, and include the results in the survey report. If nests are observed during bird breeding season, biological monitoring reports will be required quarterly during construction until the young have fledged.

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Cultural Resources Mitigation Measures				
CUL-1: Unanticipated Discovery of Cultural Resources. In the event that new cultural resources are discovered during the project, all ground-disturbing activities in the vicinity of the find shall cease, and an archaeologist who meets the Secretary of the Interior's Professional Qualification Standards (National Park Service 1983) shall be retained to evaluate the find. Work may continue on other parts of the project while evaluation and, if necessary, mitigation takes place (CEQA Guidelines Section15064.5 [f]). If the find appears to be a historical or unique archaeological resource, the State Water Board will be notified immediately. If human remains are found, State of California Health and Safety Code Section 7050.5 shall be followed. Section 7050.5 requires that all excavation case immediately in the vicinity of the find and the County Coroner be called within 24 hours of the find. The requirements	**Registered Professional Archaeologist and Golden State Water Company Project Engineer**	Golden State Water Company Project Engineer/designee will instruct contractor to stop work if any cultural resources or archaeological features are found on site and retain a qualified archaeologist to implement appropriate measures, including but not limited to evaluating, recovering, and curating the find(s). If necessary, the archaeologist shall develop a Monitoring and Treatment Plan, the drafts of which shall be provided to Gabrieleño Band of Mission Indians – Kizh Nation. If find is human remains, call County coroner immediately.	**Timing:** During ground disturbing construction activities. **Frequency:** As necessary during construction.	State Water Board will be notified if cultural resources are discovered during project activities. If a significant cultural resource is found, any monitoring reports shall be sent to the State Water Board quarterly. If the find is Native American, the State Water Board and Project Applicant shall, in good faith, consult with the Gabrieleño Band of Mission Indians – Kizh Nation on the disposition and treatment of any Native American artifacts or other cultural materials encountered during the project.

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in the previous paragraph also apply to the discovery of human remains. After the initial archaeological assessment is completed, the archaeologist shall submit a report to the State Water Board describing the significance of the discovery with cultural resource management recommendations. If a resource is determined by the State Water Board, based on recommendations of the qualified archaeologist to constitute a "historical resource" or a "unique archaeological resource, time allotment and funding sufficient to allow for implementation of avoidance measures, or appropriate mitigation, must be available. The treatment plan established for the resources shall be in accordance with CEQA Guidelines Section 15064.5(f) for historical resources and Public Resources Code Sections 21083.2 for unique archaeological resources, and section 21084.3 for tribal cultural resources. Preservation in place (i.e., avoidance) is				

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the preferred manner of treatment. If preservation in place is not feasible, treatment may include implementation of archaeological data recovery excavations to remove the resource along with subsequent laboratory processing and analysis. If the find is Native American, the SWRCB and landowner shall, in good faith, consult with the Gabrieleño Band of Mission Indians – Kizh Nation on the disposition and treatment of any Native American artifacts or other cultural materials encountered during the project.				
Geology and Soils Mitigation Measures				
GEO-1: Unanticipated Discovery – Paleontological Resource. If paleontological resources (i.e., fossil remains) are discovered during excavation activities, the contractor will notify the Lead Agency and cease excavation within 100 feet of the find until a qualified paleontologist can provide an evaluation of the site. The qualified paleontologist will evaluate the	**Qualified Paleontologist and Golden State Water Company Project Engineer**	Golden State Water Company Project Engineer/designee to instruct contractor will stop work if fossils are found on site. A qualified paleontologist will implement appropriate measures, including but not limited	**Timing:** During ground disturbing construction activities. **Frequency:** As necessary during construction.	State Water Board will be notified if paleontological resources are found on site during project activities. If a significant paleontological resource is found, quarterly monitoring reports shall be sent to the State Water Board.

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significance of the find and recommend appropriate measures for the disposition of the site (e.g. fossil recovery, curation, data recovery, and/or monitoring). Construction activities may continue on other parts of the construction site while evaluation and treatment of the paleontological resource takes place.		to evaluating, recovering, and curating the find(s), in accordance with the current standards and guidelines.		
Hazards and Hazardous Materials Mitigation Measures				
HAZ-1: Traffic Control Plan. Prior to construction, the project proponent shall prepare a Traffic Control Plan to ensure proper access to residences and businesses in the area by emergency vehicles during construction and to maintain traffic flow.	**Golden State Water Company Project Engineer**	Golden State Water Company Project Engineer will prepare and implement a Traffic Control Plan to ensure proper access to residences and businesses in the area by emergency vehicles during construction and to maintain traffic flow.	**Timing:** Prior to construction. **Frequency:** As necessary during construction**.**	Golden State Water Company will provide the State Water Board with the Traffic Control Plan to be implemented during project construction.

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Noise Mitigation Measures				
NOI-1: In order to reduce construction noise at sensitive residential receptors adjacent to Project construction, a temporary noise barrier or enclosure shall be positioned between construction equipment and all residences within 25 feet of construction activities in a manner that breaks the line of sight between the construction equipment and these residences, to the extent feasible. The temporary noise barrier shall have a sound transmission class (STC) of 10 or greater in accordance with American Society for Testing and Materials Test Method E90, or at least 2 pounds per square foot to ensure adequate transmission loss characteristics. The temporary noise barrier can consist of a solid plywood fence at least 7/16-inch in thickness and/or flexible sound curtains, such as an 18-ounce tarp or a 2-inch-thick fiberglass blanket, attached to chain link fencing or some other support structure. The length, height, and location of the	**Golden State Water Company Project Engineer**	Golden State Water Company Project Engineer/designee will ensure construction of the temporary noise barrier.	**Timing:** During construction. **Frequency:** As necessary during construction.	State Water Board shall be provided with a full list of equipment and associated noise control methods.

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temporary noise barrier shall be adequate to assure proper acoustical performance. Specifically, the barrier must completely break the line of sight between construction equipment and residential properties within 25 feet of construction activity, must be free of degrading holes or gaps, and must not be flanked by nearby reflective surfaces. All noise control barrier walls shall be designed to preclude structural failure due to such factors as winds, shear, shallow soil failure, earthquakes, and erosion.				
NOI-2: The following measures is recommended during all construction of the Proposed Project: • All construction equipment shall be operated as far away from residential structures as reasonably possible. • Replacement of the proposed water main line shall be implemented without the use of vibratory rollers. Pneumatic rollers are permitted.	**Golden State Water Company Project Engineer**	Golden State Water Company Project Engineer/designee will ensure all construction equipment are operated at appropriate distances and with mandated noise control equipment.	**Timing:** During construction. **Frequency:** As necessary during construction.	State Water Board shall be provided with a full list of equipment and associated noise control methods.