



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Garvey Reservoir Rehabilitation Project

*Draft Environmental
Impact Report*

Volume 4 - Appendix E



SCH No. 2024010394
Report No. 1642
June 2024

Appendix E

Tribal Cultural Resources Consultation Materials



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

January 18, 2024

VIA CERTIFIED MAIL

Mr. Anthony Morales
Tribal Chief
San Gabriel Band of Mission Indians
P.O. Box 639
San Gabriel, California 91778

Dear Mr. Morales:

Tribal Cultural Resource Identification Efforts for the Garvey Reservoir Rehabilitation Project

The Metropolitan Water District of Southern California (Metropolitan) is conducting Tribal Cultural Resource identification efforts for the Garvey Reservoir Rehabilitation Project (proposed Project, Project), in compliance with Sections 21074 and 21080.3.1 of the California Environmental Quality Act (CEQA).

This letter is to provide notification to the San Gabriel Band of Mission Indians that Metropolitan is preparing a Notice of Preparation and Initial Study for the Garvey Reservoir Rehabilitation Project, located in the geographic area identified as traditionally and culturally affiliated with your Tribe in a letter to Metropolitan dated December 1, 2016. Metropolitan's Garvey Reservoir is a drinking water storage facility located at 1061 South Orange Avenue in the city of Monterey Park in Los Angeles County. The Project consists of several rehabilitation components described below and depicted in Exhibits 1 and 2.

Reservoir Cover and Liner Replacement - The Garvey Reservoir floating cover is approximately 1,900,000 square feet in size and located in the center of the reservoir property. The floating cover and flexible membrane liner were installed between 1996 and 1999. The proposed Project would include replacement of the liner; inspection and repair of the reservoir drainage system underneath the liner; upgrades to the leak detection and monitoring system; installation a new floating cover; and start-up testing procedures including cover inflation, refilling, emergency dewatering, and instrument testing.

I/O Tower Rehabilitation - Garvey Reservoir is equipped with a 16-foot inside diameter inlet/outlet (I/O) tower located at the east end of the reservoir. The proposed Project includes seismic rehabilitation of the I/O tower and tower access bridge. Equipment within the I/O tower and lighting fixtures along the access bridge would also likely be upgraded and replaced.

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Junction Structure Valve Replacement - The existing junction structure is located directly adjacent to South Orange Avenue and houses the valves and piping that connect Garvey Reservoir to the downstream water distribution system. The majority of the junction structure is located in a subterranean vault with only the roof and access stairway visible at street-level. The proposed Project includes replacement of five valves within the junction structure.

Facility Electrical System - The Garvey Reservoir facility electrical system is aged and requires upgrades to power sources (240-volt to 480-volt), relays at the switchgear unit, the control panel, and other components. The majority of proposed electrical system work would be located underground between the reservoir Administration Building and Water Quality Laboratory and the standby generator. An underground conduit would also be installed between the Administration Building and the existing communications tower on the southeastern portion of the Project site, near the surge tank.

Standby Generator - The proposed Project would also include replacement of the existing standby generator and its appurtenant electrical system, along with upgrades to meet current emission and fire codes under the United States Environmental Protection Agency's (USEPA) Emission and Fuel Standards Program. The new generator would either be located in the open air under a canopy structure or would be located in a new enclosed structure at the same location as the current generator, adjacent to the Administration Building and Water Quality Laboratory.

Surge Tank Telemetry - An existing 1,000-gallon surge tank is part of the on-site domestic water system located at the top of the reservoir embankment, immediately south of the reservoir. The proposed Project includes improvements to the telemetry equipment connecting the surge tank to pumps and would install a direct cable from the pumps in the junction structure to the surge tank pressure switch. The proposed Project also includes upgrades to the pressure switches and automated tank controls.

Pump Station - A new pump station facility would be constructed adjacent to South Orange Avenue to allow for better drought operating conditions, water quality, and flow range. The new pump station would be approximately 150 feet south of the junction structure and would house multiple pumps and valves to provide operational flexibility. The pump station would be built of concrete and masonry, approximately 500 square feet in size, and partially recessed about 10 feet into the hillside adjacent to South Orange Avenue. A subsurface valve tie-in to the Middle Feeder is also proposed and would be actuated when the pump station is utilized.

Administration Building and Water Quality Laboratory Rehabilitation - The Administration Building and Water Quality Laboratory are located in the former chlorination building that was part of the original reservoir construction in the 1950s and later converted to its current functions. The Administration Building and Water Quality Laboratory are located on the east side of the reservoir property, adjacent to South Orange Avenue. The Project includes design of a new interior plan layout for the entire building; relocation of the existing Water Quality

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Mr. Anthony Morales

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Laboratory to the Administrative Building and vice versa; relocation of the emergency eye wash station from outside the Administration Building to immediately adjacent to the Water Quality Laboratory; provision of a new Americans with Disabilities Act (ADA)-compliant parking stall with accessible path of travel to the building entrance; modifications to the existing restroom for compliance with the 2010 ADA Standard for Accessible Design and 2019 California Building Code (or most recent iteration in effect at the time); replacement of retaining wall on the south side of the structure to prevent ponding and overflow from precipitation; and upgrades to the heating, ventilation, air conditioning system (HVAC), and water heater.

Miscellaneous Site Upgrades - Miscellaneous site upgrades at Garvey Reservoir would include upgrades to the ammonia feed system (located on an out of service tank pad immediately west of the Administration Building and Water Quality Laboratory); repaving or repairing existing reservoir asphalt roads; chain link fencing and gate replacement along South Orange Avenue; security system upgrades; and drainage and landscaping removal and/or replacement.

As part of the effort to identify cultural resources at Garvey Reservoir, Metropolitan conducted cultural resource surveys of the entire Garvey Reservoir property, including the project components described above. Background research for the survey efforts included review of Metropolitan historic construction reports for Garvey Reservoir, review of original site construction photographs, and a records search at the South Central Coastal Information Center at California State University, Fullerton. The review of the historic construction report and site construction photos reveal that the Project site has been heavily disturbed by the original construction of the reservoir and reservoir piping running from the junction structure to the reservoir, with the majority of native soils removed from the site in order to create the concave feature that is the basis for the reservoir. Additionally, both the north and south slopes of the reservoir property are engineered, compacted slopes that are monitored by the California Department of Water Resources Division of Safety of Dams (DSOD). No prehistoric archaeological resources were identified within or adjacent to Garvey Reservoir as a result of the background research or record search. Four resources related to electrical towers and Southern California Edison's Mesa Substation were identified within a 0.25 mile radius of Garvey Reservoir to the south and east.

Intensive archaeological surveys were conducted by a qualified archaeologist in October 2021. The surveys were conducted utilizing intuitive survey methods covering 90-100 percent of the reservoir property, with transects spaced 10-15 meters apart in open areas. Areas of exposed ground were inspected for prehistoric artifacts (e.g., flaked stone tools, tool-making debris, ground stone milling tools), ecofacts (marine shell and bone), soil discoloration that might indicate the presence of a cultural midden, and features that might suggest the potential for former structures or buildings (e.g., standing exterior walls, foundations) or historic debris (e.g., metal, glass, ceramics). Ground disturbances such as burrows and drainages were also visually inspected. No archaeological resources were identified during the survey.

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If you wish to formally consult or have information regarding the presence of tribal cultural resources that are of importance to the San Gabriel Band of Mission Indians in the project area that have the potential to be affected by the Garvey Reservoir Rehabilitation Project, please contact us within 30 days of receipt of this letter. We request that your response be in writing. Please direct questions to Michelle Morrison of my staff by telephone at (213) 217-7906 or via email at mmorrison@mwd2o.com. Please specify if any topics discussed are considered confidential.

Thank you for your cooperation and assistance in identifying important tribal cultural resources in the project area. Please contact me at (213) 217-7658 if you have any questions regarding this letter.

Very truly yours,

DocuSigned by:

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Jennifer Harriger
Manager, Environmental Planning Section

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Enclosures (2)



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

January 18, 2024

VIA CERTIFIED MAIL

Mr. Andrew Salas
Tribal Chairman
Gabrieleño Band of Mission Indians-Kizh Nation
P.O. Box 393
Covina, California 91723

Dear Mr. Salas:

Tribal Cultural Resource Identification Efforts for the Garvey Reservoir Rehabilitation Project

The Metropolitan Water District of Southern California (Metropolitan) is conducting Tribal Cultural Resource identification efforts for the Garvey Reservoir Rehabilitation Project (proposed Project, Project), in compliance with Sections 21074 and 21080.3.1 of the California Environmental Quality Act (CEQA).

This letter is to provide notification to the Gabrieleño Band of Mission Indians-Kizh Nation that Metropolitan is preparing a Notice of Preparation and Initial Study for the Garvey Reservoir Rehabilitation Project, located in the geographic area identified as traditionally and culturally affiliated with your Tribe in a letter to Metropolitan dated July 2016. Metropolitan's Garvey Reservoir is a drinking water storage facility located at 1061 South Orange Avenue in the city of Monterey Park in Los Angeles County. The Project consists of several rehabilitation components described below and depicted in Exhibits 1 and 2.

Reservoir Cover and Liner Replacement - The Garvey Reservoir floating cover is approximately 1,900,000 square feet in size and located in the center of the reservoir property. The floating cover and flexible membrane liner were installed between 1996 and 1999. The proposed Project would include replacement of the liner; inspection and repair of the reservoir drainage system underneath the liner; upgrade of the leak detection and monitoring system; installation a new floating cover; and start-up testing procedures including cover inflation, refilling, emergency dewatering, and instrument testing.

I/O Tower Rehabilitation - Garvey Reservoir is equipped with a 16-foot inside diameter inlet/outlet (I/O) tower located at the east end of the reservoir. The proposed Project includes seismic rehabilitation of the I/O tower and access bridge. Equipment within the I/O tower and lighting fixtures along the access bridge would also likely be upgraded and replaced.

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Junction Structure Valve Replacement - The existing junction structure is located directly adjacent to South Orange Avenue and houses the valves and piping that connect Garvey Reservoir to the downstream water distribution system. The majority of the junction structure is located in a subterranean vault with only the roof and access stairway visible at street-level. The proposed Project includes replacement of five valves within the junction structure.

Facility Electrical System - The Garvey Reservoir facility electrical system is aged and requires upgrades to power sources (240-volt to 480-volt), relays at the switchgear unit, the control panel, and other components. The majority of proposed electrical system work would be located underground between the reservoir Administration Building and Water Quality Laboratory and the standby generator. An underground conduit would also be installed between the Administration Building and the existing communications tower on the southeastern portion of the Project site, near the surge tank.

Standby Generator - The proposed Project would also include replacement of the existing standby generator and its appurtenant electrical system, along with upgrades to meet current emission and fire codes under the United States Environmental Protection Agency's (USEPA) Emission and Fuel Standards Program. The new generator would either be located in the open air under a canopy structure or would be located in a new enclosed structure at the same location as the current generator, adjacent to the Administration Building and Water Quality Laboratory.

Surge Tank Telemetry - An existing 1,000-gallon surge tank is part of the on-site domestic water system located at the top of the reservoir embankment, immediately south of the reservoir. The proposed Project includes improvements to the telemetry equipment connecting the surge tank to pumps and would install a direct cable from the pumps in the junction structure to the surge tank pressure switch. The Project also includes upgrades to the pressure switches and automated tank controls.

Pump Station - A new pump station facility would be constructed adjacent to South Orange Avenue to allow for better drought operating conditions, water quality, and flow range. The new pump station would be approximately 150 feet south of the junction structure and would house multiple pumps and valves to provide operational flexibility. The pump station would be built of concrete and masonry, approximately 500 square feet in size, and partially recessed about 10 feet into the hillside adjacent to South Orange Avenue. A subsurface valve tie-in to the Middle Feeder is also proposed and would be actuated when the pump station is utilized.

Administration Building and Water Quality Laboratory Rehabilitation - The Administration Building and Water Quality Laboratory are located in the former chlorination building that was part of the original reservoir construction in the 1950s and later converted to its current functions. The Administration Building and Water Quality Laboratory are located on the east side of the reservoir property, adjacent to South Orange Avenue. The Project includes design of a new interior plan layout for the entire building; relocation of the existing Water Quality

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Miscellaneous Site Upgrades - Miscellaneous site upgrades at Garvey Reservoir would include upgrades to the ammonia feed system (located on an out of service tank pad immediately west of the Administration Building and Water Quality Laboratory); repaving or repairing existing reservoir asphalt roads; chain link fencing and gate replacement along South Orange Avenue; security system upgrades; and landscaping removal and/or replacement.

As part of the effort to identify cultural resources at Garvey Reservoir, Metropolitan conducted cultural resource surveys of the entire Garvey Reservoir property, including the project components described above. Background research for the survey efforts included review of Metropolitan historic construction reports for Garvey Reservoir, review of original site construction photographs, and a records search at the South Central Coastal Information Center at California State University, Fullerton. The review of the historic construction report and site construction photos reveal that the Project site has been heavily disturbed by the original construction of the reservoir and reservoir piping running from the junction structure to the reservoir, with the majority of native soils removed from the site in order to create the concave feature that is the basis for the reservoir. Additionally, both the north and south slopes of the reservoir property are engineered, compacted slopes that are monitored by the California Department of Water Resources Division of Safety of Dams (DSOD). No prehistoric archaeological resources were identified within or adjacent to Garvey Reservoir as a result of the background research or record search. Four resources related to electrical towers and Southern California Edison's Mesa Substation were identified within a 0.25-mile radius of Garvey Reservoir to the south and east.

Intensive archaeological surveys were conducted by a qualified archaeologist in October 2021. The surveys were conducted utilizing intuitive survey methods covering 90-100 percent of the reservoir property, with transects spaced 10-15 meters apart in open areas. Areas of exposed ground were inspected for prehistoric artifacts (e.g., flaked stone tools, tool-making debris, ground stone milling tools), ecofacts (marine shell and bone), soil discoloration that might indicate the presence of a cultural midden, and features that might suggest the potential for former structures or buildings (e.g., standing exterior walls, foundations) or historic debris (e.g., metal, glass, ceramics). Ground disturbances such as burrows and drainages were also visually inspected. No archaeological resources were identified during the survey.

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Enclosures (2)



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

January 18, 2024

VIA CERTIFIED MAIL

Mr. Joseph Ontiveros
Cultural Resources Director
Soboba Band of Luiseño Indians
P.O. Box 487
San Jacinto, California 92581

Dear Mr. Ontiveros:

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This letter is to provide notification to the Soboba Band of Luiseño Indians that Metropolitan is preparing a Notice of Preparation and Initial Study for the Garvey Reservoir Rehabilitation Project, located in the geographic area identified as traditionally and culturally affiliated with your Tribe in letters to Metropolitan dated June 22 and July 2, 2015. Metropolitan's Garvey Reservoir is a drinking water storage facility located at 1061 South Orange Avenue in the city of Monterey Park in Los Angeles County. The Project consists of several rehabilitation components described below and depicted in Exhibits 1 and 2.

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Jennifer Harriger
Manager, Environmental Planning Section

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Enclosures (2)

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This exhibit is to be used for approximate positioning only. It is not to be used, nor is it intended to be used for engineering, recording or litigation purposes. No warranty of accuracy is implied or guaranteed.

Electrical Upgrades

Junction Structure

Generator Building

Admin Building/WQ Lab

Ammonia Tank Farm

Security Fence Replacement

Surge Tank Replacement

Surge Tank

- Security Fence Replacement
- Junction Structure
- Electrical Upgrades
- Inlet/Outlet Tower Replacement
- Cover Liner Replacement
- Surge Tank Replacement
- Proposed Pump Station Facility



Exhibit 2 - Site Photographs of Reservoir, I/O Tower, and Junction Structure



Reservoir and Access Road, Facing Northeast.



Reservoir Cover, I/O Tower and Access Bridge, Facing West.



Junction Structure Access and Roof, Facing South.



Valve Inside Junction Structure Vault.

Exhibit 2 - Site Photographs of Administration and Water Quality Building, Standby Generator, and Proposed Pump Station



Administration Building and Water Quality Laboratory, Facing South.



Slope and Retaining Wall Behind Administration Building and Water Quality Laboratory, Facing South.



Standby Generator Building, Facing Southwest.



Exhibit 2 - Site Photographs of Surge Tank, Construction Staging Area, and Secondary Access Gate



Surge Tank, Facing South



Construction Trailer Office, Facing South



Existing Construction Staging Area, Facing Southwest



Access Gate and Chain Link Fencing, Facing Northeast



*THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA*

**The Metropolitan Water District
of Southern California**

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Los Angeles, CA 90012-2944

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