2 This Mitigated Negative Declaration (MND) has been prepared by the California State 3 Lands Commission (CSLC), as lead agency under the California Environmental Quality 4 Act (CEQA) (Pub. Resources Code, § 21000 et seq.), to analyze and disclose the 5 environmental effects associated with the proposed Cabrillo Power I LLC Encina Marine 6 Oil Terminal Decommissioning Project (Project). The Project would authorize Cabrillo 7 Power I LLC (Applicant) to decommission the non-operational Encina Marine Oil 8 Terminal (MOT), a component of the Encina Power Station (EPS), in accordance with 9 the terms and conditions of the Applicant's existing CSLC Lease PRC 791.1.

10 The proposed Project is located in and offshore of the City of Carlsbad, San Diego 11 County. The tidelands and submerged lands under lease from the CSLC lie immediately 12 west and offshore of Carlsbad State Beach south of Agua Hedionda (Figure ES-1), and 13 encompass a mooring area and pipeline corridor (Figure ES-2). The offshore leased 14 lands are located within the area represented on the San Luis Rey, California, U.S. 15 Geological Survey 7.5-minute quadrangle map, Township 12S, Range 4W, San 16 Bernardino baseline and meridian.

17 The EPS, which is located at 4600 Carlsbad Boulevard, is fronted by Carlsbad 18 Boulevard and Carlsbad State Beach and houses the onshore termination of an 19 approximately 3,855-foot-long fuel oil submarine pipeline and a beach valve pit (the fuel 20 oil submarine pipeline is the only subsea pipeline at the EPS that will be 21 decommissioned as part of this Project; the subsea intake and discharge pipelines for 22 the EPS and adjacent Poseidon desalination plant are not part of this Project). From the 23 EPS, the pipeline crosses under Carlsbad Boulevard through an underpass conduit and 24 underpass end structure and below Carlsbad State Beach and a riprap groin to its 25 offshore termination in approximately 60 feet of water. An onshore and beach site map 26 is shown in Figure ES-3 (see also Figure A1-1 in Appendix A for a large-scale site map).

The CSLC prepared an MND because, while the Initial Study identified potentially significant impacts related to the decommissioning of the MOT, after analysis of all the facts and circumstances, CSLC staff believes that measures have been incorporated into the Project proposal and agreed to by Cabrillo Power I LLC that avoid or mitigate those impacts to a point where no significant impacts would occur.

32 PROPOSED PROJECT

The Project is primarily comprised of the 10 decommissioning elements listed below.

- 34 Onsite decommissioning activities are expected to occur over two construction seasons
- and are currently scheduled to begin in September 2016 and end in January 2018.











ENCINA MARINE OIL TERMINAL DECOMMISSIONING PROJECT



- Removal of the entire fuel oil submarine pipeline, two 14,000-pound Danforth
 pipeline end anchors, and any remaining components of the pipeline termination
 marker buoy;
- 4 2. Decommissioning of the beach valve pit and all associated electrical and piping5 components;
- 6 3. Decommissioning of the underpass conduit;
- 7 4. Decommissioning of the underpass end structure;
- 5. Temporary removal of the riprap groin and restoration of the groin after the
 underlying fuel oil submarine pipeline has been removed;
- 10 6. Restoration of the beach;
- 11 7. Removal of the remaining seven-point mooring system (chains and anchors);
- 12 8. Removal of the remaining single-point mooring (chain and anchor);
- 13 9. Removal of the remaining navigation buoy (chain and clump); and
- 14 10. Removal of all seafloor debris associated with the MOT operations.
- 15 For planning purposes, Project facilities are divided into four discrete segments of work
- 16 (onshore, beach, surf zone, and offshore segments) based on their location. The 3,855-
- 17 foot fuel oil submarine pipeline passes through all four segments, with each segment
- 18 requiring specific methods and equipment to perform the decommissioning work.

19 Onshore Segment

20 The onshore segment begins at the beach valve pit inside the EPS and extends 21 approximately 110 feet to the underpass end structure on the eastern edge of the 22 beach. Facilities located within this segment include a section of the fuel oil submarine 23 pipeline and fill line; the beach valve pit (including a reinforced concrete rectangular 24 vertical vault and horizontal shaft): the underpass conduit: the underpass end structure 25 (including a reinforced concrete rectangular vertical vault and horizontal shaft); all the 26 piping and electrical components; and appurtenances inside or attached to the outside 27 of these structures. Decommissioning work for this segment would be performed by 28 land-based crews and equipment and would include the following activities.

- a) The entire fuel oil submarine pipeline would be removed from inside the beach
 valve pit, the underpass conduit, and the underpass end structure. This section
 of the pipeline would be extracted from the underpass through the beach valve
 pit and into the existing EPS facility.
- b) The fill line would be plugged with cement slurry. Once the cement slurry plug in
 the fill line solidifies, the flanged end and pipe stub of the fill line (at the east wall

- of the beach valve pit) would be removed and a permanent steel plate cap would
 be welded on the cut end of the fill line.
- 3 c) At the beach valve pit, soil samples would be taken from underneath the floor. If 4 contaminated soil exceeding allowable limits is found, the floor of the beach valve 5 pit would be demolished and the underlying contaminated soil would be 6 remediated to comply with regulatory requirements. If the soil samples are not 7 contaminated, or if any contamination is less than allowable limits, the bottom 8 portion (5 feet below grade or deeper) of the beach valve pit would be left intact, 9 and the top portion (from the surface to 5 feet below grade) would be demolished 10 and broken down to 5 feet below existing contours or to the top of the horizontal 11 shaft of the beach valve pit, whichever is greater. The beach valve pit would then 12 be backfilled and compacted with native soil to existing grade.
- d) The underpass conduit would be filled with a cement slurry plug and abandonedin place.
- e) The vertical vault portion of the underpass end structure would be excavated,
 demolished, and removed in its entirety up to the transition point to the horizontal
 shaft portion of the underpass end structure.
- f) The horizontal shaft, wing walls, and a concrete footing of the underpass end
 structure (located below the existing westerly sidewalk and westerly southbound
 lane within the Carlsbad Boulevard right-of-way) would be abandoned in place.
- g) The beach would be restored at the underpass end structure by backfilling theexcavation with native sand to current beach contours.
- h) All recovered pipe, concrete, and steel debris would be disposed of or recycledoff-site.
- i) All electrical and piping fixtures and appurtenances would be removed from
 inside the beach valve pit, the underpass conduit, and the underpass end
 structure, and abatement or removal of any contaminates including lead,
 asbestos, and hydrocarbons that exceed allowable limits would be conducted.

29 Beach Segment

30 The beach segment begins at the west side of the underpass end structure and extends 31 approximately 220 feet into the intertidal zone near the mean low water line. Facilities 32 located within the beach segment include a section of the fuel oil submarine pipeline 33 and a riprap groin covering the pipeline. In order to excavate and remove the fuel oil 34 submarine pipeline, the riprap groin would need to be permanently or temporarily 35 removed. To determine potential near-field effects of removing the riprap groin (also 36 referred to as the South Beach Groin), Jenkins (2013) conducted a shoreline evolution 37 analysis (see Appendix L) to predict shoreline evolution over 20-year-long historic 38 periods of waves, tides, currents, and dredge disposal. The study showed that, although removal would have no apparent short-term effect on shoreline change, long-term (10 to
 20 years) cumulative impacts, generally erosional in nature, to the shoreline would

- 3 occur. Therefore, to retain the width of the existing shoreline, the riprap groin would be
- 4 restored to pre-Project contours following the removal of the fuel oil submarine pipeline.

5 Decommissioning work for this segment would be performed by land-based crews and 6 equipment, but limited to extreme low tide conditions when working in the intertidal 7 zone. Work in the beach segment would be accomplished as follows.

- a) The riprap groin would be temporarily moved to expose the underlying fuel oil
 submarine pipeline and stored on the beach during the pipeline removal process.
- b) The fuel oil submarine pipeline would be removed in its entirety across the
 beach. As the pipeline is excavated and exposed, it would be cut into sections
 and trucked off-site, along with any associated debris, for disposal.
- c) All excavations would be backfilled with native sand and the groin would be restored to pre-project contours.

15 <u>Surf Zone Segment</u>

16 The surf zone segment begins at the approximate mean low water line and extends 17 approximately 750 feet offshore to the -15 foot bathymetric contour. Facilities located within the surf zone segment include a section of the fuel oil submarine pipeline and 18 19 riprap groin. Excavation and removal of the submarine pipeline in the surf zone would 20 involve both land- and offshore-based crews and equipment. Land-based work would 21 be limited to extreme low tide conditions when working in the surf zone, and offshore-22 based work would be limited by the shallowest depth (-15 foot bathymetric contour) at 23 which a barge or other floating support equipment can safely operate near the surf 24 zone. Work in the surf zone segment would be accomplished as follows.

- The riprap groin would be temporarily moved to expose the underlying fuel oil submarine pipeline and stored on the beach during the pipeline removal process.
- 27 • The fuel oil submarine pipeline would be removed in its entirety. The pipeline 28 would be excavated and exposed from beneath the beach sand and riprap groin 29 and either removed using conventional, low-impact methods (Option 1) or 30 dynamic pipe ramming (Option 2). Both options are described in further detail in 31 Section 2.5.3.1. If either option is successful, this section of pipeline would be 32 pulled offshore and raised to the surface, cut into truckable sections to be 33 transported by barge to shore, and trucked to off-site disposal or recycling 34 facilities. If both options fail, the remaining segment would be abandoned in place 35 and the ends of the remaining pipeline would be opened to fill with sand.
- All required excavation would be backfilled with native sand and the groin would
 be restored to pre-project contours.

1 Offshore Segment

The offshore segment begins at the backside of the surf zone (approximately -15 foot bathymetric contour) and terminates approximately 2,525 feet offshore in approximately 60 feet of water. This segment includes the fuel oil submarine pipeline, remaining mooring and navigation components, and all seafloor debris associated with the tanker berth. Decommissioning work would be performed by offshore crews and equipment. Work in the offshore segment would be accomplished as follows.

- The fuel oil submarine pipeline would be removed in its entirety. The pipeline would be raised onto the deck of the derrick barge and cut it into sections (Option 1), or cut on the seafloor by divers and recovered (Option 2). Both options are described in further detail in Section 2.5.4.2. In either case, this section of the pipeline would be cut into truckable sections and transported by barge to shore to be offloaded and trucked to off-site disposal or recycling facilities.
- The two 14,000-pound Danforth pipeline end anchors and mooring chains would be recovered, transported off-site, and recycled at appropriate facilities.
- All remaining components of the tanker berth's seven-point mooring system,
 single-point mooring, and pipeline marker and navigation buoys would be
 completely removed, transported off-site, and recycled at appropriate facilities.
- All seafloor debris associated with the tanker berth and decommissioning operations would be recovered and transported off-site for recycling or disposal.
 Potential debris targets would be identified in the pre-decommissioning seafloor debris survey and inspected by divers to determine their identity.

23 EXISTING CONDITIONS

The MOT is partially abandoned and was placed in "caretaker" status after
decommissioning/abandonment activities occurred in 2010. The 2010 decommissioning
activities and existing conditions are described below.

- The fuel oil submarine pipeline was pigged and flushed three times with potable water to bring the hydrocarbon content of the water below non-detect limits. This pipeline was then charged with a mixture of potable water and Nalco EC6106A corrosion inhibiter to prevent internal corrosion of the pipeline. The pipeline has since been under vacuum.
- The fuel oil cargo hose, hose buoy, and steel pipe reducer were removed when
 the fuel oil submarine pipeline was pigged and flushed.
- Two 14,000-pound Danforth pipeline end anchors are located on either side of
 the fuel oil submarine pipeline to anchor it in position and no decommissioning
 work has been performed.

- Prior to 2010, the fuel oil submarine pipeline end marker buoy was lost. The anchoring cable remains on the seafloor next to the end of the pipeline.
- The beach valve was removed from the onshore end of the fuel oil submarine pipeline inside the beach valve pit, and the pipeline was blind flanged on both ends and fitted with a flushing port. The bypass piping, which attaches the fuel oil submarine pipeline to the fill line, remains intact and has also been blank flanged.
- The beach valve pit, underpass conduit, and underpass end structure remain
 intact and in good condition and no decommissioning work has been performed.
- The riprap groin remains intact; no decommissioning work has been performed.
- The mooring buoys of the seven-point and single-point mooring systems were
 removed, but the chains and anchors remain on the seafloor.
- The navigation buoy was removed, but its mooring chain and concrete clump remain on the seafloor.

14 ENVIRONMENTAL IMPACTS AND PROPOSED MITIGATION MEASURES

15 The environmental factors checked below in Table ES-1 would be potentially affected 16 by this Project; a checked box indicates that at least one impact would be a "Potentially 17 Significant Impact" except that the Applicant has agreed to Project revisions, including 18 the implementation of mitigation measures (MMs), that reduce the impact to "Less than 19 Significant with Mitigation," as detailed in Section 3 of this MND. Table ES-2 lists 20 proposed MMs designed to reduce or avoid potentially significant impacts. With 21 implementation of the proposed MMs, all Project-related impacts would be reduced to 22 less than significant.

Aesthetics	Agriculture and Forest	Air Quality
	Resources	
Biological Resources	Cultural and Paleontological	Geology and Soils
(Terrestrial and Marine)	Resources	
Greenhouse Gas Emissions	Hazards and Hazardous	Hydrology and Water
	Materials	Quality
Land Use and Planning	Mineral Resources	
Population and Housing	Public Services	Recreation
Transportation/Traffic	Utilities and Service Systems	
Mandatory Findings of Signific	cance	
Other Major Areas of Concern	: Commercial Fishing and Environr	mental Justice

 Table ES-1.
 Environmental Issues and Potentially Significant Impacts

Table ES-2. Summary of Proposed Project Mitigation Measu
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Aesthetics
MM AES-1: Project Scheduling
MM AES-2: Night-Lighting Spillage Minimization
Biological Resources
MM BIO-1: Marine Wildlife Contingency Plan (MWCP)
MM BIO-2: Dynamic Pipe Ramming (DPR) Soft -Start and Ramp-Up Procedure
MM BIO-3: Dynamic Pipe Ramming (DPR) Sound Source Characterization
MM BIO-4: Marine Wildlife Monitoring During Sound Source Characterization and Dynamic Pipe Ramming (DPR)
MM BIO-5: Pre- and Post-Decommissioning Seafloor Debris Survey and Debris Removal
MM BIO-6: Final Marine Safety and Anchoring Plan (MSAP)
MM BIO-7: Oil Spill Response Plan (OSRP)
MM BIO-8: Flush Fuel Oil Submarine Pipeline
Cultural and Paleontological Resources
MM CUL-1: Cultural Resource Training
MM CUL-2: Archaelogical and Tribal Cultural Resource Monitoring
MM CUL-3: Redirect Work if Previously Unknown Archaeological or Tribal Cultural Resources are Discovered
MM CUL-4: Paleontological Resource Evaluation and Mitigation Plan
MM CUL-5: Proper Disposition of Human Remains
Hezerde end Hezerdeux Meteriele
Hazards and Hazardous Materials
MM HAZ-1: Use Certified Asbestos Abatement Contractor
MM HAZ-1: Use Certified Asbestos Abatement Contractor MM HAZ-2: Use Licensed, Certified Lead-Based Paint (LBP) Contractor
MM HAZ-1: Use Certified Asbestos Abatement Contractor MM HAZ-2: Use Licensed, Certified Lead-Based Paint (LBP) Contractor MM HAZ-3a: Extended Phase I Environmental Site Assessment (ESA)
MM HAZ-1: Use Certified Asbestos Abatement Contractor MM HAZ-2: Use Licensed, Certified Lead-Based Paint (LBP) Contractor MM HAZ-3a: Extended Phase I Environmental Site Assessment (ESA) MM HAZ-3b: Use Personnel Trained to Work with Hazardous Substances
MM HAZ-1: Use Certified Asbestos Abatement Contractor MM HAZ-2: Use Licensed, Certified Lead-Based Paint (LBP) Contractor MM HAZ-3a: Extended Phase I Environmental Site Assessment (ESA) MM HAZ-3b: Use Personnel Trained to Work with Hazardous Substances MM HAZ-4: Disposal of Total Petroleum Hydrocarbon (TPH)-Containing Soil
MM HAZ-1: Use Certified Asbestos Abatement Contractor MM HAZ-2: Use Licensed, Certified Lead-Based Paint (LBP) Contractor MM HAZ-3a: Extended Phase I Environmental Site Assessment (ESA) MM HAZ-3b: Use Personnel Trained to Work with Hazardous Substances MM HAZ-4: Disposal of Total Petroleum Hydrocarbon (TPH)-Containing Soil MM HAZ-5: Onshore Hazardous Materials Management and Contingency Plan Measures
MM HAZ-1: Use Certified Asbestos Abatement Contractor MM HAZ-2: Use Licensed, Certified Lead-Based Paint (LBP) Contractor MM HAZ-3a: Extended Phase I Environmental Site Assessment (ESA) MM HAZ-3b: Use Personnel Trained to Work with Hazardous Substances MM HAZ-4: Disposal of Total Petroleum Hydrocarbon (TPH)-Containing Soil MM HAZ-5: Onshore Hazardous Materials Management and Contingency Plan Measures Hydrology and Water Resources
MM HAZ-1: Use Certified Asbestos Abatement Contractor MM HAZ-2: Use Licensed, Certified Lead-Based Paint (LBP) Contractor MM HAZ-3a: Extended Phase I Environmental Site Assessment (ESA) MM HAZ-3b: Use Personnel Trained to Work with Hazardous Substances MM HAZ-4: Disposal of Total Petroleum Hydrocarbon (TPH)-Containing Soil MM HAZ-5: Onshore Hazardous Materials Management and Contingency Plan Measures Hydrology and Water Resources MMs BIO-6, BIO-7, BIO-8, HAZ-3a, HAZ-3b, HAZ-4, and HAZ-5
MM HAZ-1: Use Certified Asbestos Abatement Contractor MM HAZ-2: Use Licensed, Certified Lead-Based Paint (LBP) Contractor MM HAZ-3a: Extended Phase I Environmental Site Assessment (ESA) MM HAZ-3b: Use Personnel Trained to Work with Hazardous Substances MM HAZ-4: Disposal of Total Petroleum Hydrocarbon (TPH)-Containing Soil MM HAZ-5: Onshore Hazardous Materials Management and Contingency Plan Measures Hydrology and Water Resources MMs BIO-6, BIO-7, BIO-8, HAZ-3a, HAZ-3b, HAZ-4, and HAZ-5 Noise
MM HAZ-1: Use Certified Asbestos Abatement Contractor MM HAZ-2: Use Licensed, Certified Lead-Based Paint (LBP) Contractor MM HAZ-3a: Extended Phase I Environmental Site Assessment (ESA) MM HAZ-3b: Use Personnel Trained to Work with Hazardous Substances MM HAZ-4: Disposal of Total Petroleum Hydrocarbon (TPH)-Containing Soil MM HAZ-5: Onshore Hazardous Materials Management and Contingency Plan Measures Hydrology and Water Resources MMs BIO-6, BIO-7, BIO-8, HAZ-3a, HAZ-3b, HAZ-4, and HAZ-5 Noise MM NOI-1: Advanced Noticing
MM HAZ-1: Use Certified Asbestos Abatement Contractor MM HAZ-2: Use Licensed, Certified Lead-Based Paint (LBP) Contractor MM HAZ-3a: Extended Phase I Environmental Site Assessment (ESA) MM HAZ-3b: Use Personnel Trained to Work with Hazardous Substances MM HAZ-4: Disposal of Total Petroleum Hydrocarbon (TPH)-Containing Soil MM HAZ-5: Onshore Hazardous Materials Management and Contingency Plan Measures Hydrology and Water Resources MMs BIO-6, BIO-7, BIO-8, HAZ-3a, HAZ-3b, HAZ-4, and HAZ-5 Noise MM NOI-1: Advanced Noticing MM NOI-2: Shielding of Stationary Equipment
MM HAZ-1: Use Certified Asbestos Abatement Contractor MM HAZ-2: Use Licensed, Certified Lead-Based Paint (LBP) Contractor MM HAZ-3a: Extended Phase I Environmental Site Assessment (ESA) MM HAZ-3b: Use Personnel Trained to Work with Hazardous Substances MM HAZ-4: Disposal of Total Petroleum Hydrocarbon (TPH)-Containing Soil MM HAZ-5: Onshore Hazardous Materials Management and Contingency Plan Measures Hydrology and Water Resources MMs BIO-6, BIO-7, BIO-8, HAZ-3a, HAZ-3b, HAZ-4, and HAZ-5 Noise MM NOI-1: Advanced Noticing MM NOI-2: Shielding of Stationary Equipment MM NOI-3: Advanced Notice to Swimmers and Divers
MM HAZ-1: Use Certified Asbestos Abatement Contractor MM HAZ-2: Use Licensed, Certified Lead-Based Paint (LBP) Contractor MM HAZ-3a: Extended Phase I Environmental Site Assessment (ESA) MM HAZ-3b: Use Personnel Trained to Work with Hazardous Substances MM HAZ-4: Disposal of Total Petroleum Hydrocarbon (TPH)-Containing Soil MM HAZ-5: Onshore Hazardous Materials Management and Contingency Plan Measures Hydrology and Water Resources MMs BIO-6, BIO-7, BIO-8, HAZ-3a, HAZ-3b, HAZ-4, and HAZ-5 MM NOI-1: Advanced Noticing MM NOI-2: Shielding of Stationary Equipment MM NOI-3: Advanced Notice to Swimmers and Divers MM NOI-4: Observation and Removal of Divers and Swimmers from Waters in Project Area
MM HAZ-1: Use Certified Asbestos Abatement Contractor MM HAZ-2: Use Licensed, Certified Lead-Based Paint (LBP) Contractor MM HAZ-3a: Extended Phase I Environmental Site Assessment (ESA) MM HAZ-3b: Use Personnel Trained to Work with Hazardous Substances MM HAZ-4: Disposal of Total Petroleum Hydrocarbon (TPH)-Containing Soil MM HAZ-5: Onshore Hazardous Materials Management and Contingency Plan Measures Hydrology and Water Resources MMs BIO-6, BIO-7, BIO-8, HAZ-3a, HAZ-3b, HAZ-4, and HAZ-5 Noise MM NOI-1: Advanced Noticing MM NOI-2: Shielding of Stationary Equipment MM NOI-3: Advanced Notice to Swimmers and Divers MM NOI-4: Observation and Removal of Divers and Swimmers from Waters in Project Area Transportation/Traffic
MM HAZ-1: Use Certified Asbestos Abatement Contractor MM HAZ-2: Use Licensed, Certified Lead-Based Paint (LBP) Contractor MM HAZ-3a: Extended Phase I Environmental Site Assessment (ESA) MM HAZ-3b: Use Personnel Trained to Work with Hazardous Substances MM HAZ-4: Disposal of Total Petroleum Hydrocarbon (TPH)-Containing Soil MM HAZ-5: Onshore Hazardous Materials Management and Contingency Plan Measures Hydrology and Water Resources MMs BIO-6, BIO-7, BIO-8, HAZ-3a, HAZ-3b, HAZ-4, and HAZ-5 Noise MM NOI-1: Advanced Noticing MM NOI-2: Shielding of Stationary Equipment MM NOI-3: Advanced Notice to Swimmers and Divers MM NOI-4: Observation and Removal of Divers and Swimmers from Waters in Project Area Transportation/Traffic MM TRA-1: Trucks Avoid Peak Hours
MM HAZ-1: Use Certified Asbestos Abatement Contractor MM HAZ-2: Use Licensed, Certified Lead-Based Paint (LBP) Contractor MM HAZ-3a: Extended Phase I Environmental Site Assessment (ESA) MM HAZ-3b: Use Personnel Trained to Work with Hazardous Substances MM HAZ-4: Disposal of Total Petroleum Hydrocarbon (TPH)-Containing Soil MM HAZ-5: Onshore Hazardous Materials Management and Contingency Plan Measures Hydrology and Water Resources MMs BIO-6, BIO-7, BIO-8, HAZ-3a, HAZ-3b, HAZ-4, and HAZ-5 Noise MM NOI-1: Advanced Noticing MM NOI-2: Shielding of Stationary Equipment MM NOI-4: Observation and Removal of Divers and Swimmers from Waters in Project Area Transportation/Traffic MM TRA-1: Trucks Avoid Peak Hours MM TRA-2: Carpooling
MM HAZ-1: Use Certified Asbestos Abatement Contractor MM HAZ-2: Use Licensed, Certified Lead-Based Paint (LBP) Contractor MM HAZ-3a: Extended Phase I Environmental Site Assessment (ESA) MM HAZ-3b: Use Personnel Trained to Work with Hazardous Substances MM HAZ-4: Disposal of Total Petroleum Hydrocarbon (TPH)-Containing Soil MM HAZ-5: Onshore Hazardous Materials Management and Contingency Plan Measures Hydrology and Water Resources MMs BIO-6, BIO-7, BIO-8, HAZ-3a, HAZ-3b, HAZ-4, and HAZ-5 Noise MM NOI-1: Advanced Noticing MM NOI-2: Shielding of Stationary Equipment MM NOI-3: Advanced Notice to Swimmers and Divers MM TRA-1: Trucks Avoid Peak Hours MM TRA-2: Carpooling MM TRA-3: Construction Safety and Traffic Management/Control (CSTMC) Plan
MM HAZ-1: Use Certified Asbestos Abatement Contractor MM HAZ-2: Use Licensed, Certified Lead-Based Paint (LBP) Contractor MM HAZ-3a: Extended Phase I Environmental Site Assessment (ESA) MM HAZ-3b: Use Personnel Trained to Work with Hazardous Substances MM HAZ-4: Disposal of Total Petroleum Hydrocarbon (TPH)-Containing Soil MM HAZ-5: Onshore Hazardous Materials Management and Contingency Plan Measures Hydrology and Water Resources MMs BIO-6, BIO-7, BIO-8, HAZ-3a, HAZ-3b, HAZ-4, and HAZ-5 Noise MM NOI-1: Advanced Noticing MM NOI-2: Shielding of Stationary Equipment MM NOI-3: Advanced Notice to Swimmers and Divers MM NOI-4: Observation and Removal of Divers and Swimmers from Waters in Project Area Transportation/Traffic MM TRA-1: Trucks Avoid Peak Hours MM TRA-2: Carpooling MM TRA-3: Construction Safety and Traffic Management/Control (CSTMC) Plan MM TRA-4: Protect Infrastructure Improvements