



EDMUND G. BROWN JR.

MATTHEW RODRIQUEZ SECRETARY FOR ENVIRONMENTAL PROTECTION

#### San Diego Regional Water Quality Control Board

April 28, 2016

**Certified Mail – Return Receipt Requested** Article Number: 7011 0470 0002 8952 8073

Mr. Tom Palmisano Southern California Edison P.O. Box 4030 San Clemente, CA 92674 In reply/refer to: R9-2016-0013:820684:dbradford

### Subject: Clean Water Act Section 401 Water Quality Certification No. R9-2016-0013 for the San Onofre Nuclear Generating Station (SONGS) Large Organism Exclusion Device (LOED) Project

Mr. Palmisano:

Enclosed find Clean Water Act Section 401 Water Quality Certification No. R9-2016-0013 (Certification) issued by the California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) in response to the application submitted by Southern California Edison for the San Onofre Nuclear Generating Station (SONGS) Large Organism Exclusion Device (LOED) Project (Project). A description of the Project and Project location can be found in the Certification and site maps which are included as attachments to the Certification.

Southern California Edison is enrolled under State Water Resources Control Board Order No. 2003-017-DWQ as a condition of the Certification and is required to implement and comply with all terms and conditions of the Certification in order to ensure that water quality standards are met for the protection of wetlands and other aquatic resources. Failure to comply with this Certification may subject Southern California Edison to enforcement actions by the San Diego Water Board including administrative enforcement orders requiring Southern California Edison to cease and desist from violations or to clean up waste and abate existing or threatened conditions of pollution or nuisance; administrative civil liability in amounts of up to \$10,000 per day per violation; referral to the State Attorney General for injunctive relief; and, referral to the District Attorney for criminal prosecution.

Please submit all reports and information required under this Certification in electronic format via e-mail to <u>SanDiego@waterboards.ca.gov</u>. Documents over 50 megabytes will not be accepted via e-mail and must be placed on a disc and delivered to the San Diego Water Board, 2375 Northside Drive, San Diego, CA 92108. Each electronic document must be submitted as a single file, in Portable Document Format (PDF), and converted to text searchable format using Optical Character Recognition (OCR). All electronic documents must include scanned copies of all signature pages; electronic signatures will not be accepted. Electronic documents submitted to the San Diego Water Board must include the following

HENRY ABARBANEL, PH.D, CHAIR | DAVID GIBSON, EXECUTIVE OFFICER

2375 Northside Drive, Suite 100, San Diego, California 92108-2700 | www.waterboards.ca.gov/sandiego

Mr. Palmisano Southern California Edison Certification No. R9-2016-0013

identification numbers in the header or subject line: Certification No. R9-2016-0013:820684: dbradford.

For questions or comments regarding the Certification, please contact Darren Bradford at (619) 521-3356 or darren.bradford@waterboards.ca.gov

Respectfully,

prov W. N

DAVID W. GIBSON Executive Officer San Diego Water Board

Enclosure:

Clean Water Act Section 401 Water Quality Certification No. R9-2016-0013 for the San Onofre Nuclear Generating Station (SONGS) Large Organism Exclusion Device (LOED) Project

DWG:jgs:eb:dlb

CC:

Southern California Edison Kim Anthony Kim.Anthony@sce.com

U.S. Army Corps of Engineers, Regulatory Branch San Diego Field Office Robert Smith robert.r.smith@usace.army.mil

California Coastal Commission Joseph Street Joseph.Street@coastal.ca.gov

U.S. EPA, OWOW, Region 9 R9-WTR8-Mailbox@epa.gov State Water Resources Control Board, Division of Water Quality 401 Water Quality Certification and Wetlands Unit Stateboard401@waterboards.ca.gov

Mr. Eric Becker San Diego Water Board Eric.Becker@waterboards.ca.gov

Mr. David Barker San Diego Water Board David.Barker@waterboards.ca.gov

Tech Staff Information					
Certification No.	R9-2016-0013				
Party ID	554122				
Reg. Meas. ID	404152				
Place ID	820684				
Person ID	554123				
WDID	9000002962				

# CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD SAN DIEGO REGION

2375 Northside Drive, Suite.100, San Diego, CA 92108 Phone (619) 516-1990 • Fax (619) 516-1994 http://www.waterboards.ca.gov/sandiego/

Clean Water Act Section 401 Water Quality Certification and Waste Discharge Requirements for Discharge of Dredged and/or Fill Materials

#### PROJECT: San Onofre Nuclear Generating Station (SONGS) Large Organism Exclusion Device (LOED) Certification Number R9-2016-0013 WDID: 9000002962

Reg. Meas. ID: 404152 Place ID: 820684 Party ID: 554122 Person ID: 554123

#### APPLICANT: Southern California Edison P.O. Box 4030 San Clemente, CA 92674

#### ACTION:

□ Order for Low Impact Certification	Order for Denial of Certification
<ul> <li>Order for Technically-conditioned Certification</li> </ul>	Enrollment in Isolated Waters Order No. 2004-004-DWQ
Enrollment in SWRCB GWDR Order No. 2003-017-DWQ	

### PROJECT DESCRIPTION

An application dated December 18, 2015 was submitted by Southern California Edison (hereinafter Applicant), for Water Quality Certification pursuant to section 401 of the Clean Water Act (United States Code (USC) Title 33, section 1341) for the proposed San Onofre Nuclear Generating Station (SONGS) Large Organism Exclusion Device (LOED) Project (Project). The California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) deemed the application to be complete on April 6, 2016. The Applicant proposes to discharge dredged or fill material to waters of the United States and/or State associated with construction activity at the Project site. The Applicant has also applied for a Clean Water Act section 404 permit from the United States Army Corps of Engineers for the Project (USACE File No. SPL-2015-00927-RRS).

The Project is located within the City of San Clemente, San Diego County, California, in the offshore area of SONGS, around Units 2 and 3 intake structures below the surface of the Pacific Ocean. The Project center reading is located at latitude 33.366260 and longitude -117.561907. The Applicant has paid all required application fees for this Certification in the amount of \$600.00. On an annual basis, the Applicant shall also pay all active discharge fees and post discharge monitoring fees, as appropriate<sup>1</sup>. On April 6, 2016, the San Diego Water

<sup>&</sup>lt;sup>1</sup> The Applicant shall pay an annual active discharge fee each fiscal year or portion of a fiscal year during which discharges occur until the regional water board or the State Water Resources Control Board (State Water Board) issues a Notice of Completion of Discharges Letter to the discharger. Dischargers shall pay an annual post-discharge monitoring fee each fiscal (footnote continued on next page)

Board provided public notice of the Project application pursuant to California Code of Regulations, title 23, section 3858 by posting information describing the Project on the San Diego Water Board's web site and providing a period of twenty-one days for public review and comment. No comments were received.

The Applicant proposes to install a total of four LOEDs. One each will be installed around the primary offshore intake structure (POIS) and associated auxiliary intake structures (AOIS) for both Units 2 and 3 at SONGS. The LOED will consist of a barrier net around each cooling water intake structure to prevent large marine mammals (e. g., California sea lion (Zalophus californianus}), and other large aquatic organisms (e.g., green sea turtles (Chelonia mydas), Black Seabass (Stereolepis gigas), and large White Sea Bass (Atractoscion nobilis)), from entering the intake, to prevent injury or mortality while maintaining normal operations, with unimpeded inflows. The work will be conducted primarily on a working vessel staged on the ocean surface above the existing intake structures, and above the seafloor immediately adjacent to the two POISs and two AOISs. A team of scuba divers will be deployed from the vessel to install the LOED around the intake structure. No seafloor disturbance will occur, as all work will be performed approximately 15-20 feet above the seafloor by divers.

Each LOED will be prefabricated at an inland, off-site facility and brought to the project location by boat, traveling in and out of Dana Point Harbor located to the northwest of the Project site. The two intake structures are located approximately 3,200 feet offshore, in a water depth of approximately 30 feet. Each POIS is a 32-foot diameter, 18-foot high (from the seafloor) reinforced concrete riser that connects to the 18-foot 10-inch (outside) diameter intake conduit bringing seawater, used for cooling and waste stream dilution, into SONGS. The AOISs are located on the intake conduit 92.1 feet landward from the center of each POIS. Each AOIS is constructed of reinforced concrete and measures approximately 5.5 feet.

LOEDs are being installed to comply with the State Water Resources Control Board Resolution No. 2012-0020 "Water Quality Control Policy on the Use of Coastal and Estuarine Waters for Power Plant Cooling" ("Once-Through Cooling" (OTC) Policy), and as amended in Resolution No. 2011-0033. The SWRCB policy requirement is for SCE and its co-participants is to have all four LOEDs installed by December 31, 2016.

The Project application includes a description of the design objective, operation, and degree of treatment expected to be attained from equipment, facilities, or activities (including construction and post-construction BMPs) to treat waste and reduce runoff or other effluents which may be discharged. Compliance with the Certification conditions will help ensure that construction and post-construction discharges from the Project will not cause on-site or off-site downstream erosion, damage to downstream properties, or otherwise damage stream habitats in violation of water quality standards in the *Water Quality Control Plan for the San Diego Basin (9)* (Basin Plan).

<sup>(</sup>footnote continued from previous page)

year or portion of a fiscal year commencing with the first fiscal year following the fiscal year in which the regional water board or State Water Board issued a Notice of Completion of Discharges Letter to the discharger, but continued water quality monitoring or compensatory mitigation monitoring is required. Dischargers shall pay the annual post-discharge monitoring fee each fiscal year until the regional water board or the State Water Board issues a Notice of Project Complete Letter to the discharger. Additional information regarding fees can be found electronically at the following location: <u>http://www.waterboards.ca.gov/water\_issues/programs/cwa401/docs/dredgefillcalculator.xlsx</u>

Project construction will temporarily impact 0.0003 acre of ocean waters of the United States and/or State. No permanent impacts to waters of the United States and/or State will occur from the Project. The Applicant reports that the Project purpose cannot be practically accomplished in a manner which would avoid or result in less adverse impacts to aquatic resources considering all potential practicable alternatives, such as the potential for alternate available locations, designs, reductions in size, configuration or density.

Additional Project details are provided in Attachments 1 through 4 of this Certification.

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Attachments:

- 1. Definitions
- 2. Project Location Maps
- 3. Project Site Plans
- 4. CEQA Mitigation Monitoring and Reporting Program

## I. STANDARD CONDITIONS

Pursuant to section 3860 of title 23 of the California Code of Regulations, the following three standard conditions apply to <u>all</u> water quality certification actions:

- A. This Certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to section 13330 of the Water Code and chapter 28, article 6 (commencing with title 23, section 3867), of the California Code of Regulations.
- B. This Certification action is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility and requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to California Code of Regulations title 23, section 3855 subdivision (b), and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
- C. This Certification action is conditioned upon total payment of any fee required under title 23, chapter 28 (commencing with section 3830) of California Code of Regulations and owed by the applicant.

### II. GENERAL CONDITIONS

- A. Term of Certification. Water Quality Certification No. R9-2016-0013 (Certification) shall expire upon a) the expiration or retraction of the Clean Water Act section 404 (33 USC Title 33, section1344) permit issued by the U.S. Army Corps of Engineers for this Project, or b) five (5) years from the date of issuance of this Certification, whichever occurs first.
- B. **Duty to Comply.** The Applicant must comply with all conditions and requirements of this Certification. Any Certification noncompliance constitutes a violation of the Water Code and is grounds for enforcement action or Certification termination, revocation and reissuance, or modification.
- C. General Waste Discharge Requirements. The requirements of this Certification are enforceable through Water Quality Order No. 2003-0017-DWQ, *Statewide General Waste Discharge Requirements for Discharges of Dredged or Fill Material that have Received State Water Quality Certification* (Water Quality Order No. 2003-0017-DWQ). This provision shall apply irrespective of whether a) the federal permit for which the Certification was obtained is subsequently retracted or is expired, or b) the Certification is expired. Water Quality Order No. 2003-0017-DWQ is accessible at:

http://www.waterboards.ca.gov/water\_issues/programs/cwa401/docs/generalorders/go\_wdr401regulated\_projects.pdf.

D. **Project Conformance with Application.** All water quality protection measures and BMPs described in the application and supplemental information for water quality

certification are incorporated by reference into this Certification as if fully stated herein. Notwithstanding any more specific conditions in this Certification, the Applicant shall construct, implement and comply with all water quality protection measures and BMPs described in the application and supplemental information. The conditions within this Certification shall supersede conflicting provisions within the application and supplemental information submitted as part of this Certification action.

E. **Project Conformance with Water Quality Control Plans or Policies**. Notwithstanding any more specific conditions in this Certification, the Project shall be constructed in a manner consistent with the Basin Plan and any other applicable water quality control plans or policies adopted or approved pursuant to the Porter Cologne Water Quality Act (Division 7, commencing with Water Code Section 13000) or section 303 of the Clean Water Act (33 USC section 1313). The Basin Plan is accessible at:

#### http://www.waterboards.ca.gov/sandiego/water\_issues/programs/basin\_plan/index.shtml

- F. **Project Modification**. The Applicant must submit any changes to the Project, including Project operation, which would have a significant or material effect on the findings, conclusions, or conditions of this Certification, to the San Diego Water Board for prior review and written approval. If the San Diego Water Board is not notified of a significant change to the Project, it will be considered a violation of this Certification.
- G. Certification Distribution Posting. During Project construction, the Applicant must maintain a copy of this Certification at the Project site. This Certification must be available at all times to site personnel and agencies. A copy of this Certification shall also be provided to any contractor or subcontractor performing construction work, and the copy shall remain in their possession at the Project site.
- H. **Inspection and Entry**. The Applicant must allow the San Diego Water Board or the State Water Resources Control Board, and/or their authorized representative(s) (including an authorized contractor acting as their representative), upon the presentation of credentials and other documents as may be required under law, to:
  - 1. Enter upon the Project or Compensatory Mitigation site(s) premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Certification;
  - 2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Certification;
  - 3. Inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Certification; and
  - 4. Sample or monitor, at reasonable times, for the purposes of assuring Certification compliance, or as otherwise authorized by the Clean Water Act or Water Code, any substances or parameters at any location.

- I. Enforcement Notification. In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation shall be subject to any remedies, penalties, process or sanctions as provided for under State law. For purposes of section 401(d) of the Clean Water Act, the applicability of any State law authorizing remedies, penalties, process or sanctions for the violation or threatened violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Certification.
- J. **Certification Actions**. This Certification may be modified, revoked and reissued, or terminated for cause including but not limited to the following:
  - 1. Violation of any term or condition of this Certification;
  - 2. Monitoring results indicate that continued Project activities could violate water quality objectives or impair the beneficial uses of the Pacific Ocean or its tributaries;
  - 3. Obtaining this Certification by misrepresentation or failure to disclose fully all relevant facts;
  - 4. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge; and
  - Incorporation of any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act or section 303 of the Clean Water Act.

The filing of a request by the Applicant for modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any Certification condition.

- K. **Duty to Provide Information**. The Applicant shall furnish to the San Diego Water Board, within a reasonable time, any information which the San Diego Water Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Certification or to determine compliance with this Certification.
- L. **Property Rights**. This Certification does not convey any property rights of any sort, or any exclusive privilege.
- M. **Petitions**. Any person aggrieved by this action of the San Diego Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with the California Code of Regulations, title 23, sections 3867 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this Certification. Copies of the law and regulations applicable to filing petitions may be found on the Internet at:

http://www.waterboards.ca.gov/public\_notices/petitions/water\_quality\_or will be provided upon request.

#### III. CONSTRUCTION BEST MANAGEMENT PRACTICES

- A. **Approvals to Commence Construction**. The Applicant shall not commence Project construction until all necessary federal, State, and local approvals are obtained.
- B. **Personnel Education.** Prior to the start of the Project, and annually thereafter, the Applicant must educate all personnel on the requirements in this Certification, pollution prevention measures, spill response measures, and BMP implementation and maintenance measures.
- C. **Spill Containment Materials.** The Applicant must, at all times, maintain appropriate types and sufficient quantities of materials on-site to contain any spill or inadvertent release of materials that may cause a condition of pollution or nuisance if the materials reach waters of the United States and/or State.
- D. General Construction Storm Water Permit. Prior to start of Project construction, the Applicant must, as applicable, obtain coverage under, and comply with, the requirements of State Water Resources Control Board Water Quality Order No. 2009-0009-DWQ, the General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activity, (General Construction Storm Water Permit) and any reissuance. If Project construction activities do not require coverage under the General Construction Storm Water Permit, the Applicant must develop and implement a runoff management plan (or equivalent construction BMP plan) to prevent the discharge of sediment and other pollutants during construction activities.
- E. Waste Management. The Applicant must properly manage, store, treat, and dispose of wastes in accordance with applicable federal, state, and local laws and regulations. Waste management shall be implemented to avoid or minimize exposure of wastes to precipitation or storm water runoff. The storage, handling, treatment, or disposal of waste shall not create conditions of pollution, contamination or nuisance as defined in Water Code section 13050. Upon Project completion, all Project generated debris, building materials, excess material, waste, and trash shall be removed from the Project site(s) for disposal at an authorized landfill or other disposal site in compliance with federal, state and local laws and regulations.
- F. **Waste Management**. Except for a discharge permitted under this Certification, the dumping, deposition, or discharge of trash, rubbish, unset cement or asphalt, concrete, grout, damaged concrete or asphalt, concrete or asphalt spoils, wash water, organic or earthen material, steel, sawdust or other construction debris waste from Project activities directly into waters of the United States and or State, or adjacent to such waters in any manner which may permit its being transported into the waters, is prohibited.
- G. **Downstream Erosion.** Discharges of concentrated flow during construction or after Project completion must not cause downstream erosion or damage to properties or stream habitat.

- H. **Construction Equipment**. All equipment must be washed prior to transport to the Project site and must be free of sediment, debris, and foreign matter. All equipment used in direct contact with surface water shall be steam cleaned prior to use. All equipment using gas, oil, hydraulic fluid, or other petroleum products shall be inspected for leaks prior to use and shall be monitored for leakage. Stationary equipment (e.g., motors, pumps, generator, etc.) shall be positioned over drip pans or other types of containment.
- Process Water. Water containing mud, silt, or other pollutants from equipment washing or other activities, must not be discharged to waters of the United States and/or State or placed in locations that may be subjected to storm water runoff flows. Pollutants discharged to areas within a stream diversion must be removed at the end of each work day or sooner if rain is predicted.
- J. Surface Water Diversion. All surface waters, including ponded waters, must be diverted away from areas of active grading, construction, excavation, vegetation removal, and/or any other activity which may result in a discharge to the receiving water. Diversion activities must not result in the degradation of beneficial uses or exceedance of the receiving water quality objectives. Any temporary dam or other artificial obstruction constructed must only be built from materials such as clean gravel which will cause little or no siltation. Normal flows must be restored to the affected stream immediately upon completion of work at that location.
- K. Re-vegetation and Stabilization. All areas that have 14 or more days of inactivity must be stabilized within 14 days of the last activity. The Applicant shall implement and maintain BMPs to prevent erosion of the rough graded areas. After completion of grading, all areas must be re-vegetated with native species appropriate for the area. The re-vegetation palette must not contain any plants listed on the California Invasive Plant Council Invasive Plant Inventory, which can be accessed at <u>http://www.calipc.org/ip/inventory/</u>.
- L. **Hazardous Materials.** Except as authorized by this Certification, substances hazardous to aquatic life including, but not limited to, petroleum products, unused cement/concrete, asphalt, and coating materials, must be prevented from contaminating the soil and/or entering waters of the United States and/or State. BMPs must be implemented to prevent such discharges during each Project activity involving hazardous materials.
- M. Vegetation Removal. Removal of vegetation must occur by hand, mechanically, or through application of United States Environmental Protection Agency (USEPA) approved herbicides deployed using applicable BMPs to minimize adverse effects to beneficial uses of waters of the United States and/or State. Discharges related to the application of aquatic pesticides within waters of the United States must be done in compliance with State Water Resources Control Board Water Quality Order No. 2004-0009-DWQ, the Statewide General National Pollution Discharge Elimination System Permit for the Discharge of Aquatic Weed Control in Waters of the United States, and any subsequent reissuance as applicable.

- N. Limits of Disturbance. The Applicant shall clearly define the limits of Project disturbance to waters of the United States and/or State using highly visible markers such as flag markers, construction fencing, or silt barriers prior to commencement of Project construction activities within those areas.
- O. On-site Qualified Biologist. The Applicant shall designate an on-site qualified biologist to monitor Project construction activities within or adjacent to waters of the United States and/or State to ensure compliance with the Certification requirements. The biologist shall be given the authority to stop all work on-site if a violation of this Certification occurs or has the potential to occur. Records and field notes of the biologist's activities shall be kept on-site and made available for review upon request by the San Diego Water Board.
- P. Beneficial Use Protection. The Applicant must take all necessary measures to protect the beneficial uses of waters of the Pacific Ocean. This Certification requires compliance with all applicable requirements of the Basin Plan. If at any time, an unauthorized discharge to surface waters (including rivers or streams) occurs or monitoring indicates that the Project is violating, or threatens to violate, water quality objectives, the associated Project activities shall cease immediately and the San Diego Water Board shall be notified in accordance with Notification Requirement VII.A of this Certification. Associated Project activities may not resume without approval from the San Diego Water Board.
- Q. **Groundwater Dewatering.** If groundwater dewatering is required for the Project, the Applicant shall enroll in and comply with the requirements of San Diego Water Board Order No. R9-2008-0002 NPDES No. CAG919002, General Waste Discharge Requirements For Groundwater Extraction Waste Discharges From Construction, Remediation, and Permanent Groundwater Extraction Projects to Surface Waters within the San Diego Region Except for San Diego Bay or its successor permit.

### IV. POST-CONSTRUCTION BEST MANAGEMENT PRACTICES

A. **Post-Construction Discharges.** The Applicant shall not allow post-construction discharges from the Project site to cause or contribute to on-site or off-site erosion or damage to properties or stream habitats.

### V. PROJECT IMPACTS AND COMPENSATORY MITIGATION

- A. **Project Impact Avoidance and Minimization**. The Project must avoid and minimize adverse impacts to waters of the United States and/or State to the maximum extent practicable.
- B. **Project Impacts and Compensatory Mitigation.** Unavoidable Project impacts to the Pacific Ocean within the San Juan Watershed must not exceed the type and magnitude of impacts described in the table below. At a minimum, compensatory mitigation required to offset unavoidable temporary and permanent Project impacts to waters of the United States and/or State must be achieved as described in the table below:

[	Impacts (acres)	Impacts (linear ft.)	Mitigation for Impacts (acres)	Mitigation Ratio (area mitigated :area impacted)	Mitigation for Impacts (linear ft.)	Mitigation Ratio (linear feet mitigated :linear feet impacted)
Temporary Impacts <sup>1</sup>						
Ocean	0.0003	NA	NA	NA	NA	NA

1. All areas of temporary impacts must be restored to pre-project contours and re-vegetated with native species.

C. **Temporary Project Impact Areas.** The Applicant must restore all areas of temporary impacts and all other areas of temporary disturbance which could result in a discharge or a threatened discharge of pollutants to waters of the United States and/or State. Restoration must include grading of disturbed areas to pre-project contours and revegetation with native species. The Applicant must implement all necessary BMPs to control erosion and runoff from areas associated with the Project.

#### VI. MONITORING AND REPORTING REQUIREMENTS

- A. **Representative Monitoring**. Samples and measurements taken for the purpose of monitoring under this Certification shall be representative of the monitored activity.
- B. **Monitoring Reports**. Monitoring results shall be reported to the San Diego Water Board at the intervals specified in section VI of this Certification.
- C. **Monitoring and Reporting Revisions**. The San Diego Water Board may make revisions to the monitoring program at any time during the term of this Certification and may reduce or increase the number of parameters to be monitored, locations monitored, the frequency of monitoring, or the number and size of samples collected.
- D. Records of Monitoring Information. Records of monitoring information shall include:
  - 1. The date, exact place, and time of sampling or measurements;
  - 2. The individual(s) who performed the sampling or measurements;
  - 3. The date(s) analyses were performed;
  - 4. The individual(s) who performed the analyses;
  - 5. The analytical techniques or methods used; and
  - 6. The results of such analyses.

- E. **Geographic Information System Data.** The Applicant must submit Geographic Information System (GIS) shape files of the Project impact sites within 30 days of the start of project construction. All impact site shape files must be polygons. Two GPS readings (points) must be taken on each line of the polygon and the polygon must have a minimum of 10 points. GIS metadata must also be submitted.
- F. **Annual Project Progress Reports.** The Applicant must submit annual Project progress reports describing status of BMP implementation and compliance with all requirements of this Certification to the San Diego Water Board prior to **March 1** of each year following the issuance of this Certification, until the Project has reached completion. Annual Project Progress Reports must be submitted even if Project construction has not begun. The monitoring period for each Annual Project Progress Report shall be January 1<sup>st</sup> through December 31<sup>st</sup> of each year. Annual Project Progress Reports must include, at a minimum, the following:
  - 1. **Project Status and Compliance Reporting.** The Annual Project Progress Report must include the following Project status and compliance information:
    - a. The names, qualifications, and affiliations of the persons contributing to the report;
    - b. The status, progress, and anticipated schedule for completion of Project construction activities including the installation and operational status of best management practices project features for erosion and storm water quality treatment;
    - c. A description of Project construction delays encountered or anticipated that may affect the schedule for construction completion; and
    - d. A description of each incident of noncompliance during the annual monitoring period and its cause, the period of the noncompliance including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
- G. Final Project Completion Report. The Applicant must submit a Final Project Completion Report to the San Diego Water Board within 30 days of completion of the Project. The final report must include the following information:
  - 1. Date of construction initiation;
  - 2. Date of construction completion;
  - 3. BMP installation and operational status for the Project;
  - 4. As-built drawings of the Project, no bigger than 11"X17"; and

- Photo documentation of implemented post-construction BMPs and all areas of permanent and temporary impacts, prior to and after project construction. Photo documentation must be conducted in accordance with guidelines posted at <u>http://www.waterboards.ca.gov/sandiego/water\_issues/programs/401\_certification/d</u> <u>ocs/401c/401PhotoDocRB9V713.pdf</u>. In addition, photo documentation must include Global Positioning System (GPS) coordinates for each of the photo points referenced.
- H. Reporting Authority. The submittal of information required under this Certification, or in response to a suspected violation of any condition of this Certification, is required pursuant to Water Code section 13267 and 13383. Civil liability may be administratively imposed by the San Diego Water Board for failure to submit information pursuant to Water Code sections 13268 or 13385.
- Electronic Document Submittal. The Applicant must submit all reports and information required under this Certification in electronic format via e-mail to <u>SanDiego@waterboards.ca.gov</u>. Documents over 50 megabytes will not be accepted via e-mail and must be placed on a disc and delivered to:

California Regional Water Quality Control Board San Diego Region Attn: 401 Certification No. R9-2016-0013: 820684:dbradford 2375 Northside Drive, Suite 100 San Diego, California 92108

Each electronic document must be submitted as a single file, in Portable Document Format (PDF), and converted to text searchable format using Optical Character Recognition (OCR). All electronic documents must include scanned copies of all signature pages; electronic signatures will not be accepted. Electronic documents submitted to the San Diego Water Board must include the following identification numbers in the header or subject line: Certification No. R9-2016-0013: 820684:dbradford.

- J. **Document Signatory Requirements**. All applications, reports, or information submitted to the San Diego Water Board must be signed as follows:
  - 1. For a corporation, by a responsible corporate officer of at least the level of vice president.
  - 2. For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
  - 3. For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.
  - 4. A duly authorized representative may sign applications, reports, or information if:
    - a. The authorization is made in writing by a person described above.

- b. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
- c. The written authorization is submitted to the San Diego Water Board Executive Officer.

If such authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the Project, a new authorization satisfying the above requirements must be submitted to the San Diego Water Board prior to or together with any reports, information, or applications, to be signed by an authorized representative.

K. **Document Certification Requirements**. All applications, reports, or information submitted to the San Diego Water Board must be certified as follows:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

### VII. NOTIFICATION REQUIREMENTS

- A. **Twenty Four Hour Non-Compliance Reporting.** The Applicant shall report any noncompliance which may endanger health or the environment. Any such information shall be provided orally to the San Diego Water Board within **24 hours** from the time the Applicant becomes aware of the circumstances. A written submission shall also be provided within five days of the time the Applicant becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The San Diego Water Board, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.
- B. Hazardous Substance Discharge. Except as provided in Water Code section 13271(b), any person who, without regard to intent or negligence, causes or permits any hazardous substance or sewage to be discharged in or on any waters of the State, shall as soon as (a) that person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the County of San Diego, in accordance with California Health and Safety Code section 5411.5 and the California Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State toxic disaster contingency plan adopted pursuant to Government Code Title 2, Division 1, Chapter 7, Article 3.7 (commencing with section 8574.17), and immediately notify the State Water Board or the San Diego Water Board of the discharge. This provision does not require reporting of any discharge of less than a reportable quantity

- C. **Oil or Petroleum Product Discharge.** Except as provided in Water Code section 13272(b), any person who without regard to intent or negligence, causes or permits any oil or petroleum product to be discharged in or on any waters of the State, or discharged or deposited where it is, or probably will be, discharged in or on any waters of the State, shall, as soon as (a) such person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the California Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State oil spill contingency plan adopted pursuant to Government Code Title 2, Division 1, Chapter 7, Article 3.7 (commencing with section 8574.1). This requirement does not require reporting of any discharge of less than 42 gallons unless the discharge is also required to be reported pursuant to Clean Water Act section 311, or the discharge is in violation of a Basin Plan prohibition.
- D. Anticipated Noncompliance. The Applicant shall give advance notice to the San Diego Water Board of any planned changes in the Project or the Compensatory Mitigation project which may result in noncompliance with Certification conditions or requirements.
- E. **Commencement of Construction Notification.** The Applicant must notify the San Diego Water Board in writing at least 5 days prior to the start of initial Project construction ground disturbance
- F. **Transfers.** This Certification is not transferable in its entirety or in part to any person or organization except after notice to the San Diego Water Board in accordance with the following terms:
  - 1. **Transfer of Property Ownership:** The Applicant must notify the San Diego Water Board of any change in ownership of the Project area. Notification of change in ownership must include, but not be limited to, a statement that the Applicant has provided the purchaser with a copy of the Section 401 Water Quality Certification and that the purchaser understands and accepts the certification requirements and the obligation to implement them or be subject to liability for failure to do so; the seller and purchaser must sign and date the notification and provide such notification to the San Diego Water Board within 10 days of the transfer of ownership.

Upon properly noticed transfers of responsibility, the transferee assumes responsibility for compliance with this Certification and references in this Certification to the Applicant will be interpreted to refer to the transferee as appropriate. Transfer of responsibility does not necessarily relieve the Applicant of responsibility for compliance with this Certification in the event that a transferee fails to comply.

### VIII. CALIFORNIA ENVIRONMENTAL QUALITY ACT COMPLIANCE

- A. The California State Lands Commission is the Lead Agency under the California Environmental Quality Act (CEQA) (Public Resources Code section 21000, et seq.) section 21067, and CEQA Guidelines (California Code of Regulations, title 14, section 15000 et seq.) section 15367, and has filed a Notice of Determination dated October 23, 2012 for the Initial Study/Mitigated Negative Declaration (IS/MND) titled Initial Study/Mitigated Negative Declaration San Onofre Nuclear Generating Station Units 2 & 3, Offshore Large Organism Exclusion Device Installation Project (State Clearing House Number 2012081072). The Lead Agency has determined the Project will have a significant effect on the environment and mitigation measures were made a condition of the Project.
- B. The San Diego Water Board is a Responsible Agency under CEQA (Public Resources Code section 21069; CEQA Guidelines section 15381). The San Diego Water Board has considered the Lead Agency's IS/MND and finds that the Project as proposed will have a significant effect on resources within the San Diego Water Board's purview.
- C. The San Diego Water Board has required mitigation measures as a condition of this Certification to avoid or reduce the environmental effects of the Project to resources within the Board's purview to a less than significant level.
- D. The Lead Agency has adopted a mitigation monitoring and reporting program pursuant to Public Resources Code section 21081.6 and CEQA Guidelines section 15097 to ensure that mitigation measures and revisions to the Project identified in the IS/MND are implemented. The Mitigation Monitoring and Reporting Program (MMRP) is included and incorporated by reference in Attachment 4 to this Certification. The Applicant shall implement the Lead Agency's MMRP described in the IS/MND, as it pertains to resources within the San Diego Water Board's purview. The San Diego Water Board has imposed additional MMRP requirements as specified in sections V and VI of this Certification.
- E. As a Responsible Agency under CEQA, the San Diego Water Board will file a Notice of Determination in accordance with CEQA Guidelines section 15096 subdivision (i).

### IX. SAN DIEGO WATER BOARD CONTACT PERSON

Darren Bradford, Environmental Scientist Telephone: (619) 521-3356 Email: <u>darren.bradford@waterboards.ca.gov</u>

### X. WATER QUALITY CERTIFICATION

I hereby certify that the proposed discharge from the **San Onofre Nuclear Generating Station (SONGS) Large Organism Exclusion Device (LOED)** (Certification No. R9-2016-0013) will comply with the applicable provisions of sections 301 ("Effluent Limitations"), 302 ("Water Quality Related Effluent Limitations"), 303 ("Water Quality Standards and Implementation Plans"), 306 ("National Standards of Performance"), and 307 ("Toxic and Pretreatment Effluent Standards") of the Clean Water Act. This discharge is also regulated under State Water Board Order No. 2003-0017-DWQ, "Statewide General Waste Discharge Requirements for Dredged or Fill Discharges that have Received State Water Quality Certification (General WDRs)," which requires compliance with all conditions of this Water Quality Certification. Please note that enrollment under Order No. 2003-017-DWQ is conditional and, should new information come to our attention that indicates a water quality problem, the San Diego Water Board may issue individual waste discharge requirements at that time.

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Except insofar as may be modified by any preceding conditions, all Certification actions are contingent on (a) the discharge being limited to, and all proposed mitigation being completed in strict compliance with, the applicants' Project description and/or the description in this Certification, and (b) compliance with all applicable requirements of the Basin Plan.

I, David W. Gibson, Executive Officer, do hereby certify the forgoing is a full, true, and correct copy of Certification No. R9-2016-0013 issued on April 28, 2016.

DAVID W. GIBSON Executive Officer San Diego Water Board

28 Apr. 2016 Date

### ATTACHMENT 1

### DEFINITIONS

**Activity** - when used in reference to a permit means any action, undertaking, or project including, but not limited to, construction, operation, maintenance, repair, modification, and restoration which may result in any discharge to waters of the state.

**Buffer** - means an upland, wetland, and/or riparian area that protects and/or enhances aquatic resource functions associated with wetlands, rivers, streams, lakes, marine, and estuarine systems from disturbances associated with adjacent land uses.

**California Rapid Assessment Method (CRAM)** - is a wetland assessment method intended to provide a rapid, scientifically-defensible and repeatable assessment methodology to monitor status and trends in the conditions of wetlands for applications throughout the state. It can also be used to assess the performance of compensatory mitigation projects and restoration projects. CRAM provides an assessment of overall ecological condition in terms of four attributes: landscape context and buffer, hydrology, physical structure and biotic structure. CRAM also includes an assessment of key stressors that may be affecting wetland condition and a "field to PC" data management tool (eCRAM) to ensure consistency and quality of data produced with the method.

**Compensatory Mitigation Project** - means compensatory mitigation implemented by the Applicant as a requirement of this Certification (i.e., applicant -responsible mitigation), or by a mitigation bank or an in-lieu fee program.

**Discharge of dredged material** – means any addition of dredged material into, including redeposit of dredged material other than incidental fallback within, the waters of the United States and/or State.

**Discharge of fill material** – means the addition of fill material into waters of the United States and/or State.

**Dredged material** – means material that is excavated or dredged from waters of the United States and/or State.

**Ecological Success Performance Standards** – means observable or measurable physical (including hydrological), chemical, and/or biological attributes that are used to determine if a compensatory mitigation project meets its objectives.

**Enhancement** – means the manipulation of the physical, chemical, or biological characteristics of an aquatic resource to improve a specific aquatic resource function(s). Enhancement results in the gain of selected aquatic resource function(s), but may also lead to a decline in other aquatic resource function(s). Enhancement does not result in a gain in aquatic resource area.

**Establishment** – means the manipulation of the physical, chemical, or biological characteristics present to develop an aquatic resource that did not previously exist. Creation results in a gain in aquatic resource area.

**Fill material** – means any material used for the primary purpose of replacing an aquatic area with dry land or of changing the bottom elevation of a water body.

**Isolated wetland** – means a wetland with no surface water connection to other aquatic resources.

**Mitigation Bank** – means a site, or suite of sites, where resources (e.g., wetlands, streams, riparian areas) are restored, established, enhanced, and/or preserved for the purpose of providing mitigation for impacts authorized by this Certification.

**Preservation** - means the removal of a threat to, or preventing the decline of, aquatic resources by an action in or near those aquatic resources. This term includes activities commonly associated with the protection and maintenance of aquatic resources through the implementation of appropriate legal and physical mechanisms. Preservation does not result in a gain of aquatic resource area or functions.

**Re-establishment** - means the manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/ historic functions to a former aquatic resource. Re-establishment results in rebuilding a former aquatic resource and results in a gain in aquatic resource area and functions.

**Rehabilitation** - means the manipulation of the physical, chemical, or biological characteristics of a site with the goal of repairing natural/ historic functions to a degraded aquatic resource. Rehabilitation results in a gain in aquatic resource function, but does not result in a gain in aquatic resource area.

**Restoration** - means the manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former or degraded aquatic resource. For the purpose of tracking net gains in aquatic resource area, restoration is divided into two categories: re-establishment and rehabilitation.

**Start of Project Construction** - For the purpose of this Certification, "start of Project construction" means to engage in a program of on-site construction, including site clearing, grading, dredging, landfilling, changing equipment, substituting equipment, or even moving the location of equipment specifically designed for a stationary source in preparation for the fabrication, erection or installation of the building components of the stationary source within waters of the United States and/or State.

**Uplands** - means non-wetland areas that lack any field-based indicators of wetlands or other aquatic conditions. Uplands are generally well-drained and occur above (i.e., up-slope) from nearby aquatic areas. Wetlands can, however, be entirely surrounded by uplands. For example, some natural seeps and constructed stock ponds lack aboveground hydrological connection to other aquatic areas. In the watershed context, uplands comprise the landscape matrix in which aquatic areas form. They are the primary sources of sediment, surface runoff, and associated chemicals that are deposited in aquatic areas or transported through them.

**Water quality objectives and other appropriate requirements of state law** – means the water quality objectives and beneficial uses as specified in the appropriate water quality control plan(s); the applicable provisions of sections 301, 302, 303, 306, and 307 of the Clean Water Act; and any other appropriate requirement of state law.

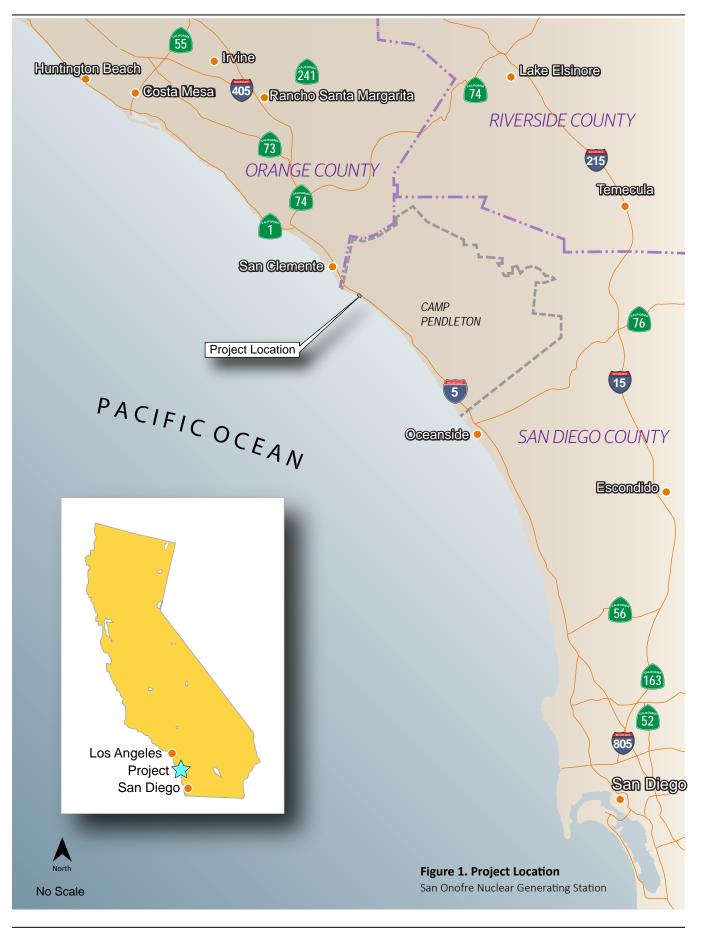
Waters of the State - means any surface water or groundwater, including saline waters, within the boundaries of the State. [Water Code section13050, subd. (e)].

Southern California Edison SONGS Large Organism Exclusion Device (LOED) Project Certification No. R9-2016-0013

### ATTACHMENT 2 PROJECT LOCATION MAPS

Figure 1. Project Location

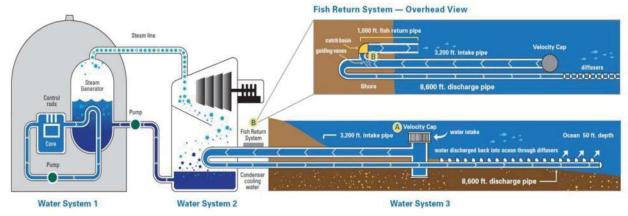
Figure 2.3-1. Vicinity Map & Figure 2.3-2. Schematic of SONGS Once-Through Cooling System



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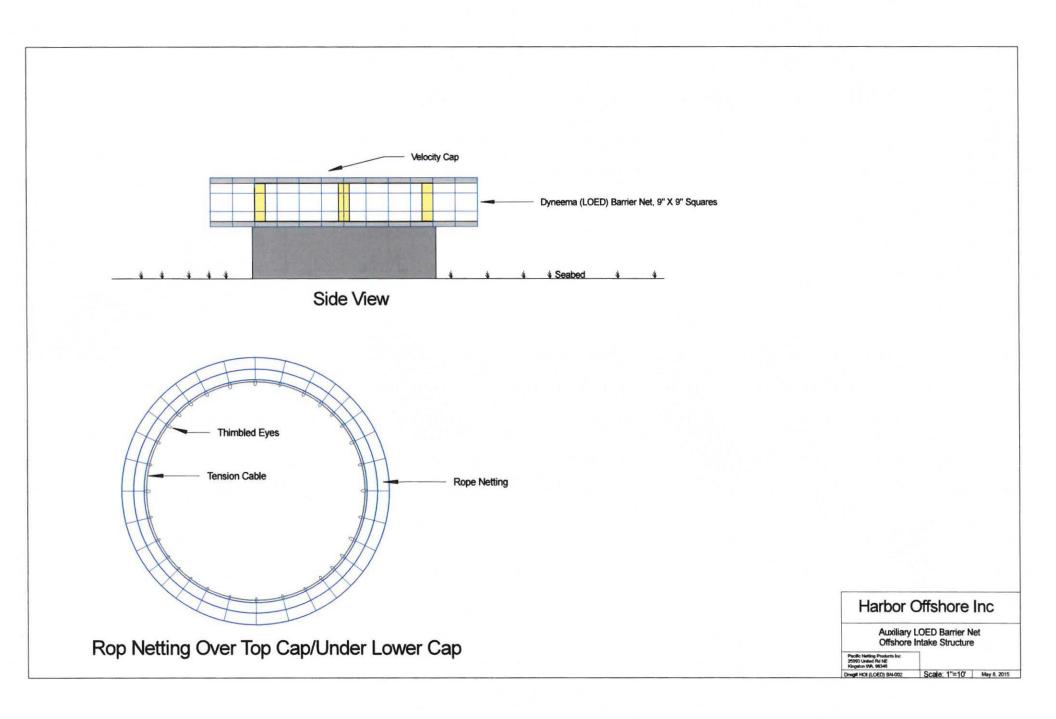
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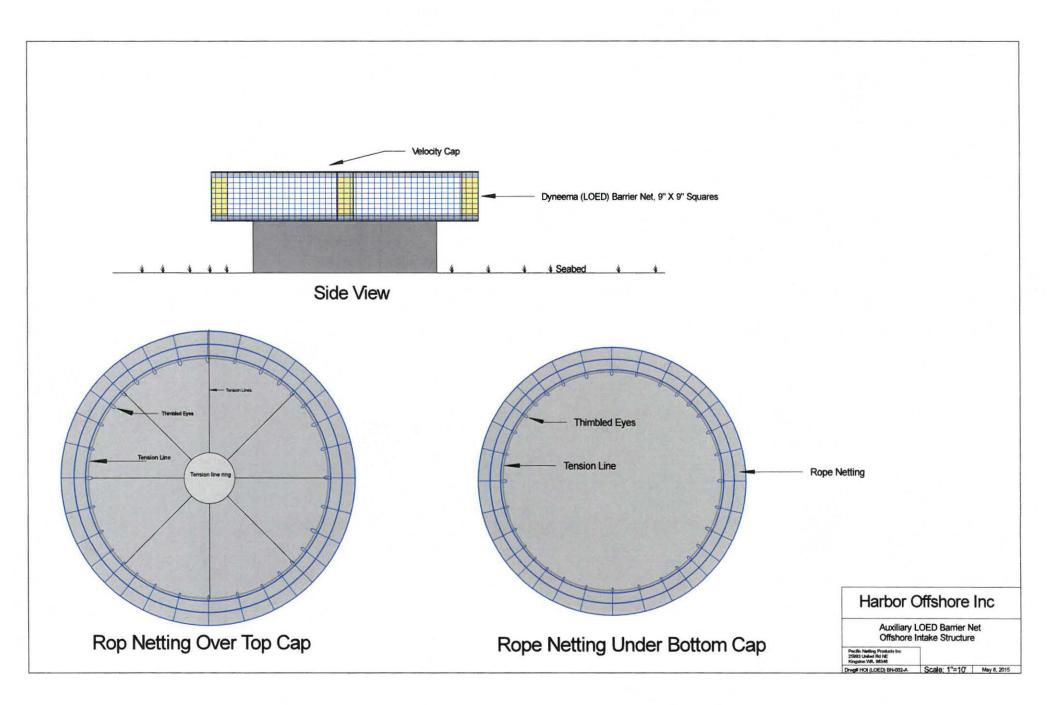
Figure 2.3-2. Schematic of SONGS Once-Through Cooling System (Source: Adapted from Enercon 2012)

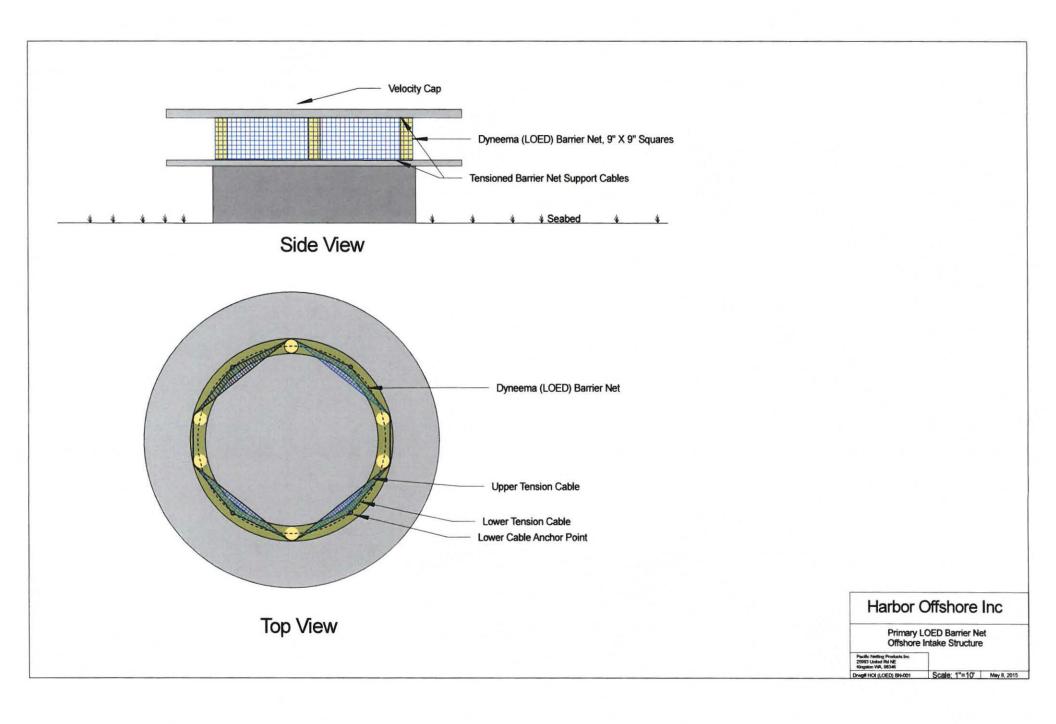
Southern California Edison SONGS Large Organism Exclusion Device (LOED) Project Certification No. R9-2016-0013

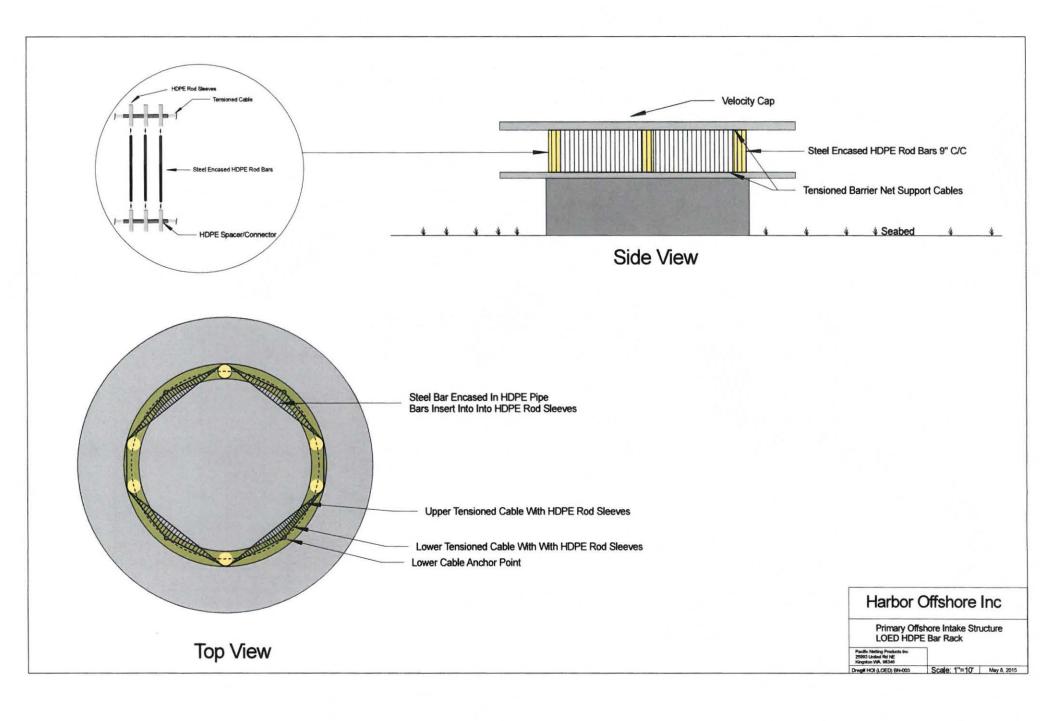
#### ATTACHMENT 3 PROJECT SITE PLANS

BN-002 - Auxiliary LOED Barrier Net Offshore Intake Structure BN-002-A - Auxiliary LOED Barrier Net Offshore Intake Structure BN-001 - Primary LOED Barrier Net Offshore Intake Structure BN-003 - Primary LOED Barrier Net Offshore Intake Structure









Southern California Edison SONGS Large Organism Exclusion Device (LOED) Project Certification No. R9-2016-0013

### ATTACHMENT 4 CEQA MITIGATION MONITORING AND REPORTING PROGRAM

# MITIGATION MONITORING PROGRAM TABLE

Potential Impact	Mitigation Measure	Location	Monitoring/ Reporting Action	Responsible Agency	Timing
<b>Biological Resour</b>	Ces				
Potential impacts	MM BIO-1: Marine Mammal Monitoring and	In ocean	Compliance	CSLC	Throughout
to the movement	Protection Plan (MMMPP). The Contractor will	waters	monitoring		installation
of marine	execute the MMMPP to ensure the protection of	offshore of			period
mammal species	marine mammals likely to occur in the area	SONGS			
during installation of the Large	during vessel transit to and from the Project site				
Organism	as well as during installation of the Large				
Exclusion	Organism Exclusion Devices. Any changes to				
Devices.	the MMMPP shall be submitted to the California				
	State Lands Commission staff for approval at				
	least 2 weeks before Project mobilization.				
	Specific measures in the MMMPP include:				
	A training session shall be conducted by				
	a National Marine Fisheries Service				
	(NMFS)-approved marine mammal				
	monitor with all vessel crews to review				
	the purpose and need for this MMMPP.				
	All crews shall be notified of the need to				
	evade, to the extent safely possible,				
	crossing the path of migrating whales.				
	Vessels shall maintain a distance of no				
	closer than 1,000 feet from migrating				
	whales during transits to and from the				
	Project site.				
	In the event a whale approaches to				
	within 1,000 feet of the vessel in a				
	manner outside of the vessel captain's				

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Potential Impact	Mitigation Measure	Location	Monitoring/ Reporting Action	Responsible Agency	Timing
	control, all forward propulsion should be				
	stopped, if safe to do so, until the animal				
	has moved away.				
	<ul> <li>In the event a whale strike occurs, the</li> </ul>				
	vessel captain must notify the U.S. Coast				
	Guard immediately and provide				
	information on a "Injured Marine				
	Mammal and Ship Strike Report log."				
	Subsequent notifications must be made				
	to NMFS and Southern California				
	Edison.				
	The NMFS-approved marine mammal monitor				
	shall observe for the presence of marine				
	mammals within the Project area. The monitor				
	shall notify the on-site construction foreman and				
	initiate a cease-work order in the event a marine				
	mammal approaches within 200 feet of the				
	Primary Offshore Intake Structure where the				
	installations are underway. Marine mammals				
	that are seaward of the construction barge or				
	that may surface near the barge to investigate				
	shall be closely observed. The monitors shall				
	have the discretion to continue operations if				
	he/she determines that the mammal is headed				
	away from the activity zone. Mammals				
	attempting to haul out on the barge or on other equipment shall be chased away using				
	approved methods from the NMFS and subject				
	to NMFS approval. All sightings shall be				
	documented in a monitor logbook with a date-				

Potential Impact	Mitigation Measure	Location	Monitoring/ Reporting Action	Responsible Agency	Timing
	stamped photograph taken of the animal, if				
	possible. Any unique markings the animal				
	possesses shall be catalogued, such as tags,				
	scars, and/or discolorations.				
Potential impacts	MM BIO-2: Turbidity Monitoring Plan. A	In ocean	Compliance	SCE	Throughout
to giant kelp and	Turbidity Monitoring Plan shall be implemented	waters	monitoring		installation
seagrass resulting	during Project dredging and construction	offshore of			period
from turbidity.	activities to monitor any effects to water clarity in	SONGS			
	the immediate areas of Large Organism				
	Exclusion Device (LOED) installation. The Plan				
	shall be submitted to the California State Lands				
	Commission staff for approval, in consultation				
	with the Regional Water Quality Control Board,				
	at least 2 weeks before Project mobilization and				
	shall include, at a minimum, the following elements:				
	<ul> <li>Details on how Southern California</li> </ul>				
	Edison will continually evaluate				
	construction-related turbidity relative to				
	natural (background) turbidity occurring				
	in unaffected areas during dredging and				
	construction activities:				
	<ul> <li>Requirements for a qualified observer to</li> </ul>				
	<ul> <li>Requirements for a qualified observer to record turbidity from a suitable vantage</li> </ul>				
	point during each day of dredging and				
	construction; and specific adaptive				
	management activities and/or corrective				
	action measures should monitoring				
	indicate unacceptable turbidity levels				
	above ambient conditions.				

Potential Impact	Mitigation Measure	Location	Monitoring/ Reporting Action	Responsible Agency	Timing
<b>Geology and Soils</b>	5	•			
Potential impacts from seabed disruptions could occur from vessel anchoring during dredging and Large Organism Exclusion Device installation activities.	<ul> <li>MM GEO-1: Anchoring Plan. Southern California Edison shall submit a Final Anchoring Plan to California State Lands Commission staff for review and approval, in consultation with the U.S. Coast Guard, U.S. Army Corps of Engineers and the National Marine Fisheries Service, at least 2 weeks prior to commencement of dredging and installation activities and shall implement the Plan during all anchoring activities. The Anchoring Plan shall include, at a minimum, the following elements: <ul> <li>A list all of the vessels that will anchor</li> <li>during the Project and the number and</li> <li>size of anchors to be set;</li> <li>Maps showing the anchoring sites</li> <li>identified during pre-construction surveys</li> <li>to ensure that all anchors shall avoid any</li> <li>rocky habitat, kelp beds, and impacts to</li> <li>recreational and commercial boaters;</li> <li>Descriptions of navigation equipment</li> <li>that would be used to ensure anchors</li> <li>are accurately set and of the anchor</li> <li>handling procedures that would be</li> <li>followed to prevent or minimize anchor</li> <li>dragging; and,</li> <li>Requirement to be included in</li> <li>appropriate contracts for the Project that</li> <li>contractors shall, whenever feasible, use</li> <li>appropriate installation techniques and</li> <li>procedures described in the Anchoring</li> </ul></li></ul>	In ocean waters offshore of SONGS	Compliance monitoring	SCE	Throughout installation period

Potential Impact	Mitigation Measure	Location	Monitoring/ Reporting Action	Responsible Agency	Timing
	Plan that will minimize or avoid environmental impacts such as turbidity and anchor scarring.				
Hazards and Haza	rdous Materials				
Potential impacts to personnel or accidental spills resulting from inclement weather conditions during Large Organism Exclusion Device installation.	<b>MM HAZ-1: Inclement Weather Condition.</b> Southern California Edison's Contractor shall tie-down or provide secondary containment for any deck equipment that may discharge contaminants in order to minimize the potential for unanticipated release of pollutants due to inclement weather or rough sea conditions. In addition, the Contractor shall monitor weather conditions and shall cease work if the Contractor determines that existing or forecast sea states or weather conditions would create unsafe working conditions for personnel or equipment.	In ocean waters offshore of SONGS	Compliance monitoring	SCE	Throughout installation period
Potential impacts resulting from an accidental spill or releases of hazardous substances or vapors during construction.	<b>MM HAZ-2: Spill Response Plan.</b> Southern California Edison's (SCE's) Contractor shall prepare a Spill Response Plan that presents the procedures and protocols to be used in the event of an onshore or offshore oil spill resulting from the activities associated with the construction and installation of the proposed Large Organism Exclusion Devices. Project vessels shall have a shipboard Spill Prevention and Response Plan and all necessary equipment to implement said Plan on board. Before Project mobilization, SCE shall submit the Plan to the Office of Oil Spill Prevention and	In ocean waters offshore of SONGS	Compliance monitoring	SCE	Throughout installation period

Potential Impact	Mitigation Measure	Location	Monitoring/ Reporting Action	Responsible Agency	Timing
	<ul> <li>Response for review and approval, and verification of that approval will be provided to the California State Lands Commission a minimum of 2 weeks prior to installation operations and, at a minimum, include the following elements: <ul> <li>Discussion of potential spill sources of hydrocarbons are limited to leakage or spillage of fuel or lubricants from onshore and marine equipment used during dispositioning operations;</li> <li>Description of Oil Spill Response Team and equipment;</li> <li>Description of the notification process; and</li> <li>Description of Marine Spill Scenarios and Response Procedures.</li> </ul> </li> </ul>				
Potential risk to divers associated with sediment removal into the open water environment during construction.	<ul> <li>MM HAZ-3: Diver Safety Plan. The Contractor shall prepare and submit to California State Lands Commission staff at least 2 weeks prior to Project mobilization a Diver Safety Plan that provides, at a minimum, the following elements:</li> <li>A description of the diving techniques and equipment that will be used to support the underwater work activities;</li> <li>A description of the procedures that will be used to perform each underwater</li> </ul>	In ocean waters offshore of SONGS	Compliance monitoring	SCE	Throughout installation period

Potential Impact	Mitigation Measure	Location	Monitoring/ Reporting Action	Responsible Agency	Timing
Hydrology and Wa	<ul> <li>operation;</li> <li>A description of the job safety analysis tool that will be used to prepare for each day's diving operations;</li> <li>An evacuation plan for evacuating injured divers;</li> <li>A contact list for local emergency services organizations and facilities; and</li> <li>Incorporation of the Associated Pacific Constructors, Inc.'s Health, Safety, and Environment Plan and U.S. Coast Guard and Occupational Safety and Health Administration safety regulations.</li> </ul>				
	See <b>MM BIO-2</b> for implementation of a	n/a	n/a	n/a	n/a
light-sensitive resources from turbidity.	Turbidity Monitoring Plan.	n/a	1i/a	n/a	Ti/a
Recreation			•		
Potential impacts to fishing activities by the presence of support vessels during the Large Organism Exclusion Device installations, although temporary.	<b>REC-1: Coast Guard Advisory.</b> Prior to any dredging or installation activities, Southern California Edison shall provide the U.S. Coast Guard (USCG) with Project details—including information on Project locations, times, and other details of activities that may pose hazards to mariners (i.e., barges, buoys, etc.)—so that the USCG can include such information in the Local Notice to Mariners to advise boaters that could pass near the area of the activity in order	In ocean waters offshore of SONGS	Compliance monitoring	SCE	Throughout installation period

### 5. Mitigation Monitoring Program

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Potential Impact	Mitigation Measure	Location	Monitoring/ Reporting Action	Responsible Agency	Timing
	to avoid potential hazards.				