

**WATER QUALITY CERTIFICATION  
FOR THE SOUTHERN CALIFORNIA EDISON  
EL CASCO SYSTEM PROJECT  
FILE NO. SB09005IN**

Attachment A.	Signatory Page
Attachment B.	Project Information Sheet
Attachment C.	Project Location Maps



**Linda S. Adams**  
Secretary for  
Environmental Protection

# State Water Resources Control Board

## Executive Office

**Charles R. Hoppin, Chairman**  
1001 I Street • Sacramento, California 95814 • (916) 341-5603  
Mailing Address: P.O. Box 100 • Sacramento, California • 95812-0100  
Fax (916) 341-5621 • <http://www.waterboards.ca.gov>



**Arnold Schwarzenegger**  
Governor

## ENCLOSURE

**ACTION ON REQUEST FOR CLEAN WATER ACT SECTION 401  
WATER QUALITY CERTIFICATION FOR THE SOUTHERN CALIFORNIA EDISON  
EL CASCO SYSTEM PROJECT  
FILE NO. SB09005IN**

**PROJECT:** Southern California Edison El Casco System Project

**APPLICANT:** Ms. Jill Fariss, Biological Resources Manager (Applicant)  
Southern California Edison  
2244 Walnut Grove Avenue  
Rosemead, CA 91770

This Order responds to your request, received on February 18, 2009, on behalf of Southern California Edison (SCE) for a Water Quality Certification for the subject project.

## ACTION

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Order for Standard Certification                          | <input type="checkbox"/> Order for Denial of Certification                   |
| <input type="checkbox"/> Order for an Amendment of a<br>Technically Conditioned Certification | <input type="checkbox"/> Order for Waiver of Waste Discharge<br>Requirements |

## STANDARD CONDITIONS:

- 1 This certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to section 13330 of the California Water Code and Article 6 (commencing with section 3867) of Chapter 28, Title 23 of the California Code of Regulations.
- 2 This certification action is not intended and shall not be construed to apply to any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent certification application was filed pursuant to subsection 3855(b) of Chapter 28, Title 23 of the California Code of Regulations, and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.

**California Environmental Protection Agency**



3. This certification is conditioned upon total payment of any fee required under Chapter 28, Title 23 of the California Code of Regulations and owed by the applicant.

#### **ADDITIONAL CONDITIONS**

##### **1 Administrative Conditions:**

- a. This Certification shall expire upon the expiration or retraction of the Clean Water Act Section 404 permit issued by the USACE, or five (5) years from the date of issuance of this Certification, which ever comes first.
- b. A copy of this certification, the application, and supporting documentation must be available at the project site during construction for review by site personnel and agencies. All personnel performing work on the proposed project shall be familiar with the content of this certification and its posted location on the project site.
- c. The Applicant shall grant State Water Board and/or Regional Water Board staff (collectively Water Board), or an authorized representative, upon presentation of credentials and other documents as may be required by law, permission to enter the project site at reasonable times, to ensure compliance with the terms and conditions of this Certification and/or to determine the impacts the project may have on the waters of the State.
- d. 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, processes, or sanctions as provided for under state or federal law. For purposes of the Clean Water Act (CWA) section 401(d), the applicability of any State law authorizing remedies, penalties, processes, or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Certification Order.
- e. In response to a suspected violation of any condition of this Certification, the Water Board may require the holder of this Certification to furnish, under penalty of perjury, any technical or monitoring reports the Water Board deems appropriate, provided that the burden, including costs, of the reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports.
- f. The Water Board may add to or modify the conditions of this Certification, as appropriate, to implement 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 (CWA).
- g. The Water Board reserves the right to suspend, cancel, or modify and reissue this Certification, after providing notice to the Applicant and/or responsible Project Site Supervisor, if the Water Board determines that the project fails to comply with any of the terms or conditions of the Certification.



- h. The Applicant shall notify the State Water Board within 24 hours of any noncompliance that may impact the beneficial uses of waters of the State (including wetlands, rivers or streams). The notification shall include the volume and type of materials discharged and recovered, measures used to contain the discharge, and measures used to prevent future discharges.

Permitted activities shall not result in the taking of any State endangered species, threatened species, or candidate species, or the habitat of such a species unless the activity is authorized by the California Department of Fish and Game pursuant to a permit, memorandum of understanding, or other document or program in accordance with Fish and Game Code sections 2081, 2081.1, or 2086.

Permitted activities must not cause a violation of any applicable water quality standards, including impairment of designated beneficial uses for receiving waters as adopted in the Water Quality Control Plan (Basin Plan) by a Regional Water Board or the State Water Board.

- k. This certification does not obviate the need to obtain other permits that may be required by federal, state, or local authorities.

Failure to comply with any condition of this certification shall constitute a violation of the Clean Water Act and the Porter-Cologne Water Quality Control Act. Any such Certification previously granted shall immediately be revoked, and any or all discharges shall cease. The Applicant may then be subject to administrative and/or civil liability pursuant to Water Code section 13385.

## 2. General Discharge Conditions:

- a. This Project shall comply with all applicable National Pollutant Discharge Elimination System permits and Waste Discharge Requirements.
- b. The Applicant shall construct the Project in accordance with the conditions described in the application, supporting documents and this Certification Order.
- c. This Project shall not discharge substances in concentrations toxic to human, plant, animal, or aquatic life or that produce detrimental physiological responses.
- d. This Project shall not discharge waste classified as "hazardous" as defined in Title 22 CCR section 66261 and CWA section 13173.
- e. Fueling, lubrication, maintenance, storage and staging of vehicles and equipment shall be outside of waters of the United States and the State. Fueling, lubrication, maintenance, storage and staging of vehicles and equipment shall not result in a discharge or a threatened discharge to any waters of the State or the United States. At no time shall the Applicant use any vehicle or equipment which leaks any substance that may impact water quality.



- f. Except as expressly allowed in this Certification, the discharge, or creation of the potential for discharge, of any soil materials including fresh concrete, cement, silts, clay, sand, and other organic materials to waters of the State is prohibited.

All hazardous materials, including fuels, lubricants, and cleaning solutions, shall be stored, handled, and used in accordance with all applicable regulations and pollution prevention plans, including but not limited to the Construction Storm Water Pollution Prevention Plan (SWPPP), and Spill Prevention Control and Countermeasure Plan. Any substantial deviation from or change to the pollution prevention plans must be approved by the State Water Board prior to commencement of work.

- g. All debris associated with construction shall be disposed of in accordance with all applicable regulations.
- h. BMPs for erosion, sediment and turbidity control shall be implemented and in place at commencement of, during and after any ground clearing activities, construction activities, or any other project activities that could result in erosion or sediment discharges to surface water.

### 3. Monitoring:

The Applicant is responsible for the implementation of the *Riparian and Riverine Habitat Mitigation and Monitoring Plan (MMP)* for all onsite and offsite mitigation areas. The success of the mitigation efforts detailed in the MMP will be monitored annually by a habitat restoration specialist or qualified biologist for a five-year period. Yearly reporting will be required for a minimum of five years. A five year monitoring plan will be implemented with an 80 percent survival rate of all proposed plant species. If vegetative cover does not meet the survival rate performance standard, the Applicant shall consult with the appropriate Regional Water Board regarding remedial actions. Failure to meet any of the final 5-year performance criteria will result in an extension of the monitoring period until that particular criterion is met. Remedial actions might include additional planting of appropriate species. The Applicant will submit monitoring reports by December 31st of each monitoring year to the 401 Program Managers of the State Water Resources Control Board (State Water Board) and the appropriate Regional Water Board(s).

Reports shall be directed to: Program Manager, Certification and Wetlands Program, at the following State and appropriate Regional Water Board office(s)

State Water Resources Control Board  
Division of Water Quality  
1001 "I" Street, 15<sup>th</sup> Floor  
Sacramento, CA 95814

Colorado River Regional Water Quality Control Board  
73-720 Fred Waring Drive, Suite 100  
Palm Desert, CA 92260

Santa Ana Regional Water Quality Control Board

***California Environmental Protection Agency***

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3737 Main Street, Suite 500  
Riverside, CA 92501-3339

- a. All information requested in this Certification, including mitigation and monitoring reporting, is pursuant to CWC section 13267. Civil liability may be administratively imposed by the State Water Board for failure to furnish requested information pursuant to CWC section 13268.
- b. The Applicant shall submit a notice of mitigation completion and final mitigation report to the State Water Board which must be approved by the State Water Board staff contact for this project.

**STATE WATER BOARD CONTACT PERSON:**

If you have any questions, please contact Bill Orme, Chief of the 401 Certification and Wetlands Protection Unit, at (916) 341-5464 ([borme@waterboards.ca.gov](mailto:borme@waterboards.ca.gov)).

**WATER QUALITY CERTIFICATION:**

I hereby issue an order certifying that as long as all of the conditions listed in this Certification action are met, any discharge from the referenced project will comply with the applicable provisions of Clean Water Act 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). This discharge is also regulated pursuant to State Water Board Water Quality Order No. 2003-0017-DWQ which authorizes this Certification to serve as Waste Discharge Requirements pursuant to the Porter-Cologne Water Quality Control Act (Water Code, § 13000 et seq.).

Except insofar as may be modified by any preceding conditions, all certification actions are contingent on: (a) the discharge being limited and all proposed mitigation being completed in strict compliance with the Project application, Pollution Control Plans, Project Information Sheet (Attachment B), Environmental Impact Report (SCH No. 2007071076), Statewide Water Quality Control Plans and Regional Water Quality Control Board Water Quality Plans.

  
Dorothy Rice, Executive Director  
State Water Resources Control Board

11-30-09  
Date

- Attachments (3)
- A. Signatory Page
  - B. Project Information Sheet
  - C. Project Location Maps

***California Environmental Protection Agency***

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## SIGNATORY REQUIREMENTS

*All Documents Submitted In Compliance With This Order  
Shall Meet The Following Signatory Requirements:*

- 1 All applications, reports, or information submitted to the State Water Resources Control Board (State Water Board) must be signed and certified as follows:
  - (a) For a corporation, by a responsible corporate officer of at least the level of vice- president.
  - (b) For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
  - (c) For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.
2. A duly authorized representative of a person designated in Items 1.a through 1.c above may sign documents if:
  - (a) The authorization is made in writing by a person described in Items 1.a through 1.c 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 State Water Board Executive Director.
3. Any person signing a document under this section shall make the following certification:

"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. am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

**PROJECT INFORMATION SHEET**

**Southern California Edison El Casco System Project  
File No. SB09005IN**

1.	<b>Applicant &amp; Agent</b>	<p>Ms. Jill Fariss, Biological Resources Manager (Applicant) Southern California Edison 2244 Walnut Grove Avenue Rosemead, CA 91770</p> <p>Ms. Kristi Boken (Agent) Email: <a href="mailto:Kristi.Boken@sce.com">Kristi.Boken@sce.com</a> (Same address as above).</p>
2.	<b>Project Purpose and Description</b>	<p>Project activities consist of a phased project that includes the construction of the El Casco substation and associated access road, modifications to the existing Maraschino and Banning substations, connection of existing transmission lines to the proposed substation, as well as replacement and upgrade of a 115 kilovolt (kV) transmission line situated between the existing Banning Substation and the El Casco facility. The proposed El Casco System Project includes the following components:</p> <ul style="list-style-type: none"> <li>• Construction of a new Substation (El Casco Substation) on approximately 24 acres of land located within the Norton Younglove County Reserve adjacent to San Timoteo Canyon Road and approximately 5 miles east of Live Oak Canyon Road. The proposed site is currently accessible via a dirt access road off San Timoteo Canyon Road. Construction of the Substation would also include the installation of a culvert consisting of 60-inch reinforced concrete pipe that will accept surface runoff that has been redirected around the proposed Substation and into the drainage channel. The culvert will outlet onto riprap that is being placed at the same elevation as the existing grade within San Timoteo Creek.</li> <li>• Upgrade the existing dirt road leading from San Timoteo Canyon Road to the El Casco Substation. This would consist of paving the access road with asphalt including elevation grade changes and sloping, and replacing a single existing culvert during the surface improvements. The culvert replacement would consist of replacing the existing 24-inch corrugated metal pipe at the existing culvert with a double 5-foot by 8-foot reinforced concrete box culvert. The total opening is 16 feet across by 5 feet deep. The new culvert was designed to accept a 100-year flood event. The culvert will outlet onto riprap that is being placed at the same elevation as the existing grade within the San Timoteo Creek but not necessarily the bottom of the creek bed.</li> <li>• Three bore casings, spaced ten feet apart, would be installed underground for about 250 feet beneath San Timoteo Creek, the adjacent railroad tracks, and San Timoteo Canyon Road, terminating on the north side of the road in order to connect the proposed Substation to existing facilities on the north side of San Timoteo Canyon road. The installation of these bore casings would be accomplished using horizontal directional drilling (HDD) techniques and would be designed so that the top of the casings would be a minimum of eight feet below the flow line of the creek and twenty-five feet below the railroad tracks, as required by Union Pacific Railroad.</li> <li>• Connection of an existing SCE 220 kilovolt (kV) transmission line into the proposed Substation.</li> </ul>



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		<ul style="list-style-type: none"> <li>Replacement of approximately 13 miles of existing single-circuit 115 kV sub-transmission lines with new, higher capacity double circuit 115 kV sub-transmission lines and replace support structures within existing SCE rights-of-way in the Cities of Banning, Beaumont, and unincorporated areas of Riverside County.</li> </ul>																																										
3.	Receiving Water(s); Hydrologic Unit(s);	San Timoteo Creek, Potrero Creek, and various unnamed blue line streams and ephemeral drainages.																																										
4.	Latitude/Longitude	33.96, -117.0666																																										
5.	Fill Volume (CY)	Approximately 525 cubic yards of fill is anticipated, including culverts, headwalls and rip-rap (see Table 1 below for acreage estimate).																																										
6.	Water Body Type(s) & Area of Filled/Excavated Waters (Acres);	<p>The proposed activities involve work within Waters of the U.S. and Waters of the State. Projected temporary and permanent effects to Waters of the U.S. including wetlands and Waters of the State are summarized in the following table.</p> <table border="1"> <caption align="center"><b>Table 1 Waters of the U.S./State and Project Impacts (acre/linear feet)</b></caption> <thead> <tr> <th>HABITAT</th><th>PERMANENT</th><th>TEMPORARY</th></tr> </thead> <tbody> <tr> <td align="center" colspan="3"><b>U.S. (southern riparian forest)</b></td></tr> <tr> <td></td><td>0.013 ac./47 lf.</td><td>0.03 ac./81 lf.</td></tr> <tr> <td></td><td>0.029 ac./74 lf.</td><td>0.19 ac./220 lf.</td></tr> <tr> <td></td><td>0</td><td>0</td></tr> <tr> <td></td><td>0</td><td>0</td></tr> <tr> <td align="right"><b>Subtotal</b></td><td><b>0.042 ac./121 lf.</b></td><td><b>0.22 ac./301 lf.</b></td></tr> <tr> <td align="center" colspan="3"><b>Non-wetland Waters of the U.S. (ephemeral drainage)</b></td></tr> <tr> <td><b>Impact Area 1</b></td><td>0.023 ac./295 lf.</td><td>0.005 ac./61 lf.</td></tr> <tr> <td></td><td>0</td><td>0</td></tr> <tr> <td></td><td>0</td><td>0.6 ac./3,861 lf.</td></tr> <tr> <td></td><td>0</td><td>0.01 ac./73 lf.</td></tr> <tr> <td align="right"><b>Subtotal</b></td><td><b>0.023 ac./295 lf.</b></td><td><b>0.615 ac./3,995 lf.</b></td></tr> <tr> <td align="right"><b>Total</b></td><td><b>0.065 ac./416 lf.</b></td><td><b>0.835 ac./4,296 lf.</b></td></tr> </tbody> </table>	HABITAT	PERMANENT	TEMPORARY	<b>U.S. (southern riparian forest)</b>				0.013 ac./47 lf.	0.03 ac./81 lf.		0.029 ac./74 lf.	0.19 ac./220 lf.		0	0		0	0	<b>Subtotal</b>	<b>0.042 ac./121 lf.</b>	<b>0.22 ac./301 lf.</b>	<b>Non-wetland Waters of the U.S. (ephemeral drainage)</b>			<b>Impact Area 1</b>	0.023 ac./295 lf.	0.005 ac./61 lf.		0	0		0	0.6 ac./3,861 lf.		0	0.01 ac./73 lf.	<b>Subtotal</b>	<b>0.023 ac./295 lf.</b>	<b>0.615 ac./3,995 lf.</b>	<b>Total</b>	<b>0.065 ac./416 lf.</b>	<b>0.835 ac./4,296 lf.</b>
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7.	Mitigation Considerations	A combination of avoidance and minimization measures are proposed to offset potential effects of project construction to waters of the U.S./State. All feasible and practical measures will be undertaken to avoid and/or minimize impacts to waters during construction. These measures will conform to guidelines stated in the project's Mitigated Negative Declaration (SCH. # 20070701076), Storm Water Pollution Prevention Plan, and the Riparian and Riverine Habitat Mitigation and Monitoring Plan.																																										
8.	Compensatory Mitigation	Compensatory mitigation for project effects to resources will include a 1:1 replacement-to-loss ratio (1 acre of habitat restored for each acre of habitat lost) for permanent impacts to the non-wetland drainage and a 5:1 replacement-to-loss ratio (5 acres of habitat restored for each acre of habitat lost) for permanent impacts to wetland riparian habitat. Temporarily impacted areas will be restored to their pre-project topography and vegetation.																																										

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		<b>Compensatory mitigation for permanent impacts to wetland and riparian habitats</b>			
		<b>Habitat</b>	<b>Affected (acres)</b>	<b>Mitigation Ratio</b>	<b>Proposed Mitigation (acres)</b>
		Wetlands	0.042 ac.	5:1	0.21 ac.
		Streambed (non-wetlands)	0.023 ac.	1:1	0.023 ac.
		<b>Total</b>	<b>0.065 ac.</b>	<b>---</b>	<b>0.23 ac.</b>
<b>9.</b>	<b>State Permits</b>	California Department of Fish and Game (CDFG) Lake and Streambed Alteration Agreement Permit: File # 1600-2008-0170-R6			
<b>10.</b>	<b>Federal Permits</b>	<b>U.S. Army Corps of Engineers NWP 12 (Utility Line Activities)</b> <b>(Corps File # SPL-2009-00080-DPS)</b>			
<b>11.</b>	<b>California Environmental Quality Act Compliance</b>	<b>Mitigated Negative Declaration</b> <b>State Clearing House (SCH) No. 20070701076</b> <b>Lead Agency: California Public Utilities Commission (CPUC)</b> <b>Date Completed: December 18, 2008</b>			