



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

September 13, 2010

Mr. John Conway
Senior Vice President
Generation and Chief Nuclear Officer
Pacific Gas and Electric Company
77 Beale Street, MC B32
San Francisco, CA 94105

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION RELATED TO THE REVIEW OF
THE DIABLO CANYON NUCLEAR POWER PLANT, UNITS 1 AND 2, LICENSE
RENEWAL APPLICATION (TAC NOS. ME2896 AND ME2897) – SCOPING
AND SCREENING

Dear Mr. Conway:

By letter dated November 23, 2009, Pacific Gas & Electric Company submitted an application pursuant to Title 10 of the *Code of Federal Regulations*, Part 54, to renew the operating licenses for Diablo Canyon Nuclear Power Plant, Units 1 and 2, for review by the U.S. Nuclear Regulatory Commission (the staff). The staff is reviewing the information contained in the license renewal application and has identified, in the enclosure, areas where additional information is needed to complete the review.

The request for additional information was discussed with Mr. Terry Grebel, and a mutually agreeable date for the response is within 30 days from the date of this letter. If you have any questions, please contact me at 301-415-1045 or by e-mail at Nathaniel.Ferrer@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "N. Ferrer", with a long horizontal flourish extending to the right.

Nathaniel Ferrer, Project Manager
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-275 and 50-323

Enclosure:
As stated

cc w/encl: Distribution via Listserv

**Diablo Canyon Nuclear Power Plant, Units 1 and 2
License Renewal Application
Request for Additional Information Set 22
Aging Management Programs – Clarification on Responses**

Based on the staff's review of Pacific Gas & Electric Company's (the applicant) responses dated July 7 and July 19, 2010, and as discussed in telephone conferences held on August 12 and August 18, 2010, please provide responses to the following:

RAI 2.1-2 (Follow-Up)

In the June 18, 2010, response to RAI 2.1-2, the applicant added additional systems to the scope of license renewal, which included the sanitary sewage system. The U.S. Nuclear Regulatory Commission (the staff) made the following observations:

- The system description for the sanitary sewage system was provided in the June 18, 2010, letter; however, the response was unclear in assisting the staff to identify the license renewal boundary to confirm that the correct components were captured in scope in the license renewal application (LRA) Table 2.3.3-18. The staff requests that the applicant provide supplemental information to identify the license renewal boundary for the sanitary sewage system.
- On license renewal boundary drawing LR-DCPP-15-106715-02, the applicant shows the service water loop at location 29-E through A in scope for license renewal. However, the heat exchanger in that loop was not identified in LRA Table 2.3.3-18. The staff requests that the applicant justify the exclusion of the heat exchanger from the scope of license renewal.

RAI 2.3-2 (Follow-Up)

In the June 18, 2010, response to RAI 2.3-2, the applicant stated that the guard pipe was within the scope of license renewal with a fire barrier intended function under Title 10 of the *Code of Federal Regulations* (10 CFR) 54.4(a)(3). The staff verified that on the revised license renewal boundary drawings the guard pipe was placed in scope and added to the LRA tables; however, on the revised license renewal boundary drawing for Unit 1 (LR-DCPP-08-106708-05), the manual regulator, an open diaphragm valve and closed diaphragm valve, were not depicted in scope for license renewal. On license renewal boundary drawing for Unit 2 (LR-DCPP-08-1077708-05), the same components are captured in scope for 10 CFR 54.4(a)(2). The staff requests that the applicant justify the exclusion of the above Unit 1 components from the scope of license renewal.

RAI 2.3-3 (Follow-Up)

In the June 18, 2010, response to RAI 2.3-3, the applicant added the oily water and turbine sump system to the scope of license renewal. Indications in the license renewal boundary drawings and the Final Safety Analysis Report show that there are fluid-filled components

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(i.e., sumps, pumps, and piping) in the underground manholes for electrical systems and fuel oil transfer pump vaults. These fluid-filled components are potentially in the same space as safety-related systems, structures, and components (SSCs) in scope for license renewal and may need to be included in the scope of license renewal in accordance with 10 CFR 54.4(a)(2). The staff requests that the applicant justify its exclusion of the fluid-filled components located in the underground manholes from scope of license renewal.

RAI 2.3-5 (Follow-Up)

In the June 18, 2010, response to RAI 2.3-5, the applicant added long term cooling as a system intended function for the condensate, makeup water, and fire protection systems. The applicant revised the systems' scoping boundaries to include additional components into the scope of license renewal required to perform this system intended function of long term cooling. Some of the systems' components required to perform this function were already in scope of license renewal, and assigned a component intended function of "leakage boundary."

In order to support the long term cooling system intended function, certain SSCs in the flow paths now have additional component intended functions. For example, strainers in the makeup water system should now have a component intended function of "filter," in order to maintain the flow path for long term cooling. The staff requests that the applicant evaluate all components in the above systems included in the revised long term cooling flow paths and provide any additional intended functions.

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Sincerely,
/RA/
Nathaniel Ferrer, Project Manager
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-275 and 50-323

Enclosure:
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Letter to John Conway from Nathaniel Ferrer dated September 13, 2010

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