



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

September 17, 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 (NRC or 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", is written over a horizontal line.

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

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Diablo Canyon Nuclear Power Plant, Units 1 and 2
License Renewal Application
Request for Additional Information Set 26
Scoping and Screening – Clarification on Responses

Based on the staff's review of Pacific Gas and Electric Company's (PG&E's) 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 2.1-1 (follow-up)

In license renewal application (LRA) Section 2.1.2.2, the applicant stated that the scoping methodology for nonsafety-related structures, and components (SCs) with spatial interaction with safety-related structures, systems and components (SSCs) was, "Nonsafety-related systems and components that contain fluid or steam, and are located inside structures that contain safety-related SSCs are included in scope for potential spatial interaction under criterion Title 10 of the *Code of Federal Regulation* (10 CFR) 54.4(a)(2)."

During plant walkdown, the staff observed inside the turbine building area, there were nonsafety-related fluid-filled SCs that were not included in the scope of license renewal located near safety-related SCs, Control Room Pressurization System (CRPS), in scope under 10 CFR 54.4(a)(1). Therefore, in accordance with the applicant's methodology stated above in LRA Section 2.1.2.2, all fluid-filled SCs in the turbine building area should have been included in the scope of license renewal.

By letter dated May 24, 2010, the staff issued RAI 2.1-1, requesting the applicant provide a review of nonsafety-related SSCs located in the turbine building, which have the potential to spatially interact with safety-related SSCs.

By letter dated June 18, 2010, the applicant provided additional SSCs to the scope of license renewal. However, the applicant did not provide an evaluation of nonsafety-related SCs with the potential to adversely interact with SCs in scope under 10 CFR 54.4(a)(1) inside the turbine building, specifically CRPS components.

The staff requests that the applicant justify the exclusion of nonsafety-related fluid-filled components in the turbine building, in accordance with the methodology as stated in the LRA Section 2.1.2.2, from the scope of license renewal in areas containing SCs in scope under 10 CFR 54.4(a)(1), specifically including an evaluation of the CRPS system.

RAI 2.1-2 (follow-up)

By letter dated June 18, 2010, the applicant responded to RAI 2.1-2 and amended the LRA by including a small segment for the extraction steam piping in scope for (a)(2) on LRA drawing LR-DCPP-05-107705-04 at location 45-E. In addition, the applicant include two segments of service water piping into scope of license renewal, denoted on LRA drawing LR-DCPP-15-107715-05, as inside the diesel generator room. However, the piping and components between

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these two segments were not included in the scope of license renewal. Based upon the information provided, the staff cannot determine if the spatial interaction boundaries were appropriate.

Therefore, the staff requests the applicant provide an evaluation of the spatial interaction boundaries of the abovementioned extraction steam and service water piping that were included in scope of licensing renewal.

RAI 2.1-2 (follow-up)

By letter dated July 28, 2010, the applicant provided an evaluation of high energy piping in the turbine building that should be included in the scope of license renewal to protect safety-related cable in the turbine building from the effects of pipe whip and jet impingement.

However, the staff made the following observations of the scoping of the high energy lines in the turbine building:

- On LRA drawing LR-DCPP-02-106702-15, the applicant depicts high energy lines in scope for 10 CFR 54.4(a)(2), but several tanks are not highlighted, to indicate they are within the scope of license renewal under 10 CFR 54.4(a)(2), in which the high energy lines go through.
- On LRA drawing LR-DCPP-02-106702-13, the applicant depicts high energy lines in scope for 10 CFR 54.4(a)(2), but air blowers and tanks are not highlighted, to indicate they are within the scope of license renewal under 10 CFR 54.4(a)(2), in which the high energy lines go through.
- On LRA drawing LR-DCPP-02-106702-18, the applicant depicts high energy lines in scope for 10 CFR 54.4(a)(2), but pumps and tanks are not highlighted to indicate they are within the scope of license renewal under 10 CFR 54.4(a)(2), in which the high energy lines go through.
- On LRA drawings LR-DCPP-02-106702-12 and LR-DCPP-02-107702-12 at location 125-C, SCs are shown not highlighted in scope for 10 CFR 54.4(a)(2) heading into the continuation flag. However, on LRA drawings LR-DCPP-02-106702-13 and LR-DCPP-02-107702-13 at location 130-E, the SCs are shown highlighted in scope for 10 CFR 54.4(a)(2).

The staff requests that the applicant justify its exclusion of the above fluid-filled nonsafety-related SCs in the turbine building.

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Sincerely,

/RA/

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

Docket Nos. 50-275 and 50-323

Enclosure:

As stated

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Letter to John Conway from Nathaniel Ferrer dated September 17, 2010

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