

July 25, 2001

Mr. Gregory M. Rueger  
Senior Vice President, Generation and  
Chief Nuclear Officer  
Pacific Gas and Electric Company  
Diablo Canyon Nuclear Power Plant  
P. O. Box 3  
Avila Beach, CA 94177

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION RE: RISK-INFORMED  
INSERVICE INSPECTION APPLICATION FOR DIABLO CANYON NUCLEAR  
POWER PLANT (DCPP), UNITS 1 AND 2 (TAC NOS. MB1203 AND MB1204)

Dear Mr. Rueger:

By letter dated February 16, 2001 (DCL-01-015), you submitted a request for relief from Section XI examination requirements of the American Society of Mechanical Engineers (ASME) Code for inservice inspection (ISI) of Class 1 and 2 piping welds. The proposed alternative of a risk-informed ISI program is to provide an acceptable level of quality and safety in accordance with 10 CFR 50.55a(a)(3)(i).

The enclosed information is needed for the staff to complete its review of your application. To expedite the staff's review to meet the agreed upon schedule, the request for additional information was provided to your staff by e-mail on or about July 11, 2001. Any difference between the enclosed questions and the e-mail is editorial. In a call on the questions with your staff, they agreed to submit the responses to the questions by August 17, 2001. If the responses are submitted by that date, the staff expects to issue its evaluation on schedule. If you have any questions, contact me, lead project manager, at 301-415-1307, or at [jnd@nrc.gov](mailto:jnd@nrc.gov) through the internet.

Sincerely,

*/RA/*

Jack N. Donohew, Senior Project Manager, Section 2  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-275  
and 50-323

Enclosure: Request for Additional Information

cc w/encl: See next page

Diablo Canyon Power Plant, Units 1 and 2

cc:

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California Energy Commission  
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Sacramento, CA 95814

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Docket Nos. 50-275  
and 50-323

Enclosure: Request for Additional Information

cc w/encl: See next page

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**ACCESSION NO.: ML01**

NRR-088

\*Email dated July 11, 2001

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**REQUEST FOR ADDITIONAL INFORMATION**

**DIABLO CANYON POWER PLANT**  
**RISK-INFORMED INSERVICE INSPECTION**  
**DOCKET NOS. 50-275 AND 50-323**

The following are questions on the risk-informed inservice inspection (RI-ISI) submittal dated February 16, 2001 (DCL-01-015), for Diablo Canyon Power Plant (DCPP):

1. Page 4 of the submittal states that portions of the containment spray, chemical and volume control, safety injection, and residual heat removal systems contain Class 2 piping that is less than 0.375 inches thick. It also states that in response to an NRC request for additional information, the licensee for DCPP committed to performing volumetric examinations on a percentage of the welds in this "thin wall" piping during each ten year interval. It also states that this piping was included in the scope of the RI-ISI application and that this augmented inspection program is subsumed by the RI-ISI program. Please describe the mechanism/procedure by which this commitment to NRC will be changed.
2. Page 5 of the submittal states that for DCPP, a deviation to EPRI RI-ISI methodology has been implemented in the failure potential assessment for thermal stratification, cycling and striping (TASCS). Please state if the revised methodology for assessing TASCS potential is in conformance with the updated criteria described in the EPRI letter to NRC dated March 28, 2001. Also, please confirm that as stated in the subject letter, once the final material reliability program guidance has been developed, the RI-ISI program will be updated for the evaluation of susceptibility to TASCS, as appropriate.
3. Page 4 of the submittal states that for DCPP Unit 1, 33.6 percent of the ASME XI examinations have been completed during the first period of the second interval and, therefore, 66.4 percent of the RI-ISI examinations will be performed during the third period so that 100 percent of the selected examinations are performed during the course of the interval. Specify which 66.4 percent of the RI-ISI examinations will be performed and what will be the basis of the selection. The same question applies to Unit 2, for which 32.7 percent of the ASME XI examinations have been completed and the remaining 67.3 percent examinations will be per RI-ISI.