

September 4, 1992

Docket No. 50-275

Mr. Gregory M. Rueger  
Nuclear Power Generation, B14A  
Pacific Gas and Electric Company  
77 Beale Street, Room 1451  
P.O. Box 770000  
San Francisco, California 94177

Dear Mr. Rueger:

SUBJECT: EVALUATION OF DIABLO CANYON UNIT 1 SUPPLEMENTAL REACTOR VESSEL  
RADIATION SURVEILLANCE PROGRAM (TAC NO. M83285)

By letter dated March 31, 1992, you requested that the NRC staff review and approve a proposed supplemental reactor vessel radiation surveillance program and a revision to the reactor vessel material surveillance capsule withdrawal schedule for Diablo Canyon Unit 1 (DCPP-1). In our safety evaluation, which is enclosed, we conclude that the placement of supplemental capsules in the DCPP-1 reactor vessel is acceptable. Also, we conclude that the revised withdrawal schedule is acceptable. However, we request that you reevaluate the withdrawal schedule when test results from irradiated capsules become available or if the DCPP-1 fuel management program is significantly changed.

In addition, our safety evaluation concludes that the samples from the broken weld metal Charpy specimens may be used to determine the effect of radiation and annealing, if you demonstrate that the reconstitution process does not affect the Charpy test results. In addition, if you decide to anneal the DCPP-1 reactor vessel at some future time, all standby capsules should be annealed in order to maintain their materials in a condition equivalent to that of the reactor vessel.

This completes the staff effort on this issue and closes TAC Number M83285. If you have any questions regarding this issue, please contact me.

Sincerely,

Original signed by

Harry Rood, Senior Project Manager  
Project Directorate V  
Division of Reactor Projects III/IV/V  
Office of Nuclear Reactor Regulation

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Enclosure:  
Safety Evaluation

cc w/enclosure:  
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*Handwritten signatures and initials:*  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

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Sincerely,

A handwritten signature in cursive script that reads "Harry Rood".

Harry Rood, Senior Project Manager  
Project Directorate V  
Division of Reactor Projects III/IV/V  
Office of Nuclear Reactor Regulation

Enclosure:  
Safety Evaluation

cc w/enclosure:  
See next page



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Mr. Gregory M. Rueger  
Pacific Gas and Electric Company

Diablo Canyon

cc:

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