

March 31, 2004

Mr. Gregory M. Rueger  
Senior Vice President, Generation and  
Chief Nuclear Officer  
Pacific Gas and Electric Company  
Diablo Canyon Power Plant  
P. O. Box 3  
Avila Beach, CA 93424

SUBJECT: DIABLO CANYON POWER PLANT, UNIT 1 - PHONE CONFERENCE RE:  
UPCOMING STEAM GENERATOR TUBE INSERVICE INSPECTION

Dear Mr. Rueger:

Inservice inspection of steam generator (SG) tubes play a vital role in assuring that adequate structural integrity of the tubes is maintained. A phone conference is being arranged with members of your staff to discuss the results of the SG tube inspections to be conducted during the current Diablo Canyon Power Plant Unit 1 refueling outage. This phone conference will be scheduled to occur towards the end of the planned SG tube inspection interval, but before the unit exits its refueling outage. Enclosed is a list of discussion points to facilitate this phone conference.

The staff plans to document a brief summary of the conference call as well as any material that you may provide to the staff in support of the call.

Sincerely,

***/RA/***

Girija S. Shukla, Project Manager, Section 2  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-275

Enclosure: List of Discussion Points

cc w/encl: See next page

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Diablo Canyon Power Plant, Units 1

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STEAM GENERATOR TUBE INSPECTION DISCUSSION POINTS

PREPARED BY THE OFFICE OF NUCLEAR REACTOR REGULATION

PACIFIC GAS AND ELECTRIC COMPANY

DIABLO CANYON POWER PLANT, UNIT 1

DOCKET NO. 50-275

The following discussion points have been prepared to facilitate the phone conference being arranged with Pacific Gas and Electric Company (PG&E) to discuss the results of the steam generator (SG) tube inspections to be conducted during the current Diablo Canyon Power Plant, Unit 1 refueling outage. This phone call will be scheduled to occur towards the end of the planned SG tube inspection interval, but before the unit exits its refueling outage.

The staff plans to document a brief summary of the conference call as well as any material that you may have provided to the staff in support of the call.

1. Discuss whether any primary-to-secondary leakage existed in this unit prior to shutdown.
2. Discuss the results of secondary side pressure tests.
3. For each SG, provide a description of areas examined, including the expansion criteria utilized and type of probe used in each area. Also, be prepared to discuss your inspection of the tube within the tubesheet, particularly the portion of the tube below the expansion/transition region.
4. Discuss any exceptions taken to the industry guidelines.
5. Provide a summary of the number of indications identified to-date of each degradation mode and SG tube location (e.g., tube support plate, top-of-tubesheet, etc.). Also provide information, such as voltages, and estimated depths and lengths of the most significant indications.
6. Describe repair/plugging plans for the SG tubes that meet the repair/plugging criteria.
7. Discuss the previous history of SG tube inspection results, including any "look backs" performed. Specifically, for significant indications or indications where look backs are used in support of dispositioning (e.g., manufacturing burnish marks).
8. Discuss, in general, new inspection findings (e.g., degradation mode or location of degradation new to this unit).
9. Discuss your use or reliance on inspection probes (eddy current or ultrasonic) other than bobbin and typical rotating probes, if applicable.

10. Describe in-situ pressure test plans and results, if applicable and available, including tube selection criteria.
11. Describe tube pull plans and preliminary results, if applicable and available; include tube selection criteria.
12. Discuss the assessment of tube integrity for the previous operating cycle (i.e., condition monitoring).
13. Provide the schedule for SG related activities during the remainder of the current outage.
14. Discuss the following regarding loose parts:
  - what inspections are performed to detect loose parts,
  - a description of any loose parts detected and their location within the SG if the loose parts were removed from the SG,
  - indications of tube damage associated with the loose parts, and
  - the source or nature of the loose parts if known.