

September 28, 2006

Mr. Richard M. Rosenblum  
Senior Vice President and Chief Nuclear Officer  
Southern California Edison Company  
San Onofre Nuclear Generating Station  
P.O. Box 128  
San Clemente, CA 92674-0128

SUBJECT: SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 2 (SONGS 2) -  
REQUEST FOR ADDITIONAL INFORMATION (RAI) REGARDING THE  
2006 STEAM GENERATOR TUBE INSPECTIONS (TAC NO. MC8395)

Dear Mr. Rosenblum:

By letter dated February 7, 2006 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML060400103), Southern California Edison Company (the licensee) submitted information summarizing the results of the 2006 steam generator tube inspections at SONGS 2. In addition to these reports, the U.S. Nuclear Regulatory Commission (NRC) staff summarized additional information concerning the 2006 steam generator tube inspections at SONGS 2 in a letter dated April 3, 2006 (ADAMS Accession No. ML060950305).

In order for the NRC staff to complete its review of the licensee's reports, it has been determined that additional information is required to complete the review. We request the response to this RAI within 30 days from the date of this letter.

If you have any questions, please contact me at (301) 415-1480.

Sincerely,

**/RA/**

N. Kalyanam, Project Manager  
Plant Licensing Branch IV  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-361

Enclosure: Request for Additional Information

cc w/encl: See next page

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\* No major change from Staff provided RAI

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DATE	9/27/06	9/27/06	9/1/06	9/28/06

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REQUEST FOR ADDITIONAL INFORMATION

SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 2

2006 STEAM GENERATOR TUBE INSPECTIONS

1. During a conference call in which the 2006 steam generator tube inspections were discussed (refer to U.S. Nuclear Regulatory Commission (NRC) letter dated April 3, 2006 - Agencywide Documents Access and Management System Accession No. ML060950305), there was some discussion concerning nickel migration associated with sleeved tubes. Please provide additional information concerning the nature of this phenomenon and the extent to which it could affect the detectability of flaws in the pressure boundary portion of the tube and the sleeve.
2. Please confirm that no cracking was identified in dents and dings during your 2006 inspections. If cracking was identified, please provide the size of the dent/ding, the location of the flaw, and its estimated size. The staff recognizes that certain dents/dings were not inspected with a rotating probe because of interferences associated with sleeves installed in the tube (and, as a result, a flaw could not positively be identified at the dents/dings in these tubes).
3. Please discuss the results of your inspections associated with the scallop bars.
4. Regarding the eight tubes that were not inspected with a rotating probe due to interference associated with the sleeves installed in the tubes, please provide the following information: the voltage for these indications, a summary of whether the dent has changed in size/characteristic since the prior inspection, and the date of the last rotating probe examination. These eight tubes were not in-situ pressure tested.
5. Table 3 of the February 7, 2006, letter implies that 145 tubes were plugged for active degradation in steam generator E-088 and 76 tubes were plugged for active degradation in steam generator E-089. Tables 8 and 9, however, only provide the sizes of approximately 40 indications in steam generator E-088 and 15 indications in steam generator E-089. Please provide the sizes (e.g., percent wall thickness) of all detected indications.
6. Please discuss how the operating experience at Waterford Steam Electric Station, Unit 3 (refer to NRC Information Notice 2005-29, "Steam Generator Tube and Support Configuration") was factored into your 2006 steam generator tube inspections.
7. In the NRC's summary of a conference call held to discuss the results of your 2006 steam generator tube inspections, there was reference to a discussion concerning recent findings at Catawba Nuclear Station, Unit 2 (Catawba 2). The reference was made concerning inspections adjacent to tie rods and tubes surrounding all new and previously identified loose parts. Please confirm that Catawba 2 is the correct reference. If it is, please discuss the specific operating experience that is relevant to San Onofre, Unit 2. If Catawba 2 is not the correct reference, please provide the correct reference, if any.

San Onofre Nuclear Generating Station  
Units 2 and 3

cc:

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March 2006

San Onofre Nuclear Generating Station  
Units 2 and 3

- 2-

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March 2006