

June 30, 2003

Mr. Roy A. Anderson
President & Chief Nuclear Officer
PSEG Nuclear, LLC - X04
Post Office Box 236
Hancocks Bridge, NJ 08038

SUBJECT: SALEM NUCLEAR GENERATING STATION, UNIT NOS. 1 AND 2, REQUEST
FOR ADDITIONAL INFORMATION (RAI) RE: PROPOSED ALTERNATIVE TO
ADOPT A RISK-INFORMED INSERVICE INSPECTION PROGRAM
(TAC NOS. MB7537 AND MB7538)

Dear Mr. Anderson:

By letter dated January 21, 2003, PSEG Nuclear, LLC (PSEG) submitted a proposed alternative to adopt a Risk-Informed Inservice Inspection (RI-ISI) Program at the Salem Nuclear Generating Station (Salem), Unit Nos. 1 and 2. The Salem RI-ISI program uses the methodology described in the Electric Power Research Institute Topical Report 112657, Revision B-A, "Revised Risk-Informed Inservice Inspection Evaluation Procedure."

The U.S. Nuclear Regulatory Commission staff is reviewing your request and has determined that additional information is necessary in order to complete its evaluation. We discussed the enclosed request for additional information (RAI) with your staff during a telephone call on June 19, 2003. During the call, PSEG agreed to respond to the enclosed RAI within 30 days from the date of this letter. If circumstances result in the need to revise the target date, please contact me at (301) 415-1324.

Sincerely,

/RA/

Robert J. Fretz, Project Manager, Section 2
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-272 and 50-311

Enclosure: RAI

cc w/encl: See next page

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PSEG Nuclear, LLC

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Salem Nuclear Generating Station,
Unit Nos. 1 and 2

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Hancocks Bridge, NJ 08038

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Senior Resident Inspector
Salem Nuclear Generating Station
U.S. Nuclear Regulatory Commission
Drawer 0509
Hancocks Bridge, NJ 08038

REQUEST FOR ADDITIONAL INFORMATION
REGARDING PROPOSED REQUEST FOR AUTHORIZATION TO USE A
RISK-INFORMED INSERVICE INSPECTION PROGRAM
SALEM NUCLEAR GENERATING STATION, UNIT NOS. 1 AND 2

By letter dated January 21, 2003, PSEG Nuclear, LLC (PSEG) submitted a proposed alternative to adopt a Risk-Informed Inservice Inspection (RI-ISI) Program at the Salem Nuclear Generating Station (Salem), Unit Nos. 1 and 2. The Salem RI-ISI program uses the methodology described in the Electric Power Research Institute Topical Report 112657, Revision B-A, "Revised Risk-Informed Inservice Inspection Evaluation Procedure." The U.S. Nuclear Regulatory Commission (NRC) staff is reviewing your request and has determined that additional information is necessary in order to complete its evaluation.

1. In its January 21, 2003, application, PSEG stated that the RI-ISI program for Salem, Unit No. 2, will start during the third period of the second interval. PSEG also stated that the second interval began on May 10, 1992. Therefore, under normal circumstances, the third ISI interval would begin on May 10, 2002. Please clarify the end date for Salem, Unit No. 2, second interval ISI program, and describe the reasons for deviations from the expected 10-year end date.
2. Section 3 of PSEG's submittal states that the RI-ISI program for Salem will deviate from the Electric Power Research Institute (EPRI) RI-ISI methodology for the 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 the NRC dated March 28, 2001. Also, confirm that, as stated in the March 28, 2001 letter, once the final material reliability program guidance has been developed, the Salem RI-ISI program will be updated for the evaluation of susceptibility to TASCS, as appropriate.
3. In Section 3.5, third paragraph, of PSEG's submittal, the licensee states that it decided to add 9 selections in Salem, Unit No. 1, and 19 selections in Salem, Unit No. 2, in order to increase the overall percentage of Class 1 selections. Please describe the process that was used to select these additional sites. Indicate how many of the welds were socket welds and how many were full penetration welds for each unit.
4. In Section 3.5, fifth paragraph, of the submittal, PSEG states that "[n]o additional credit was taken for any FAC [flow-accelerated corrosion] augmented inspection program locations beyond those selected by the RI-ISI process to meet the sampling percentage requirements." Please provide information on those selections made by the RI-ISI process that are also included in the augmented FAC program.
5. In Section 3.5.1, second paragraph, PSEG states that additional examinations will be conducted during the current outage. Please clarify the time frame for when a second set of additional sample examinations is taken, if required, under the Salem RI-ISI program.

Enclosure