

April 8, 2003

Mr. J. A. Stall  
Senior Vice President, Nuclear and  
Chief Nuclear Officer  
Florida Power and Light Company  
P.O. Box 14000  
Juno Beach, Florida 33408-0420

SUBJECT: SAINT LUCIE NUCLEAR PLANT, UNIT 2 - UPCOMING STEAM GENERATOR  
TUBE INSERVICE INSPECTION (TAC NO. MB8134)

Dear Mr. Stall:

Inservice inspections (ISI) of steam generator (SG) tubes play a vital role in assuring that adequate structural integrity of the tubes is maintained. As required by the plant Technical Specifications, reporting requirements range from submitting a special report, within 15 days following completion of each ISI of SG tubes, that identifies the number of tubes plugged and/or repaired; to submitting a special report, within 12 months following completion of the inspection, that provides complete results of the SG tube ISI. The special report containing the complete results shall include the following:

1. Number and extent of tubes inspected,
2. Location and percent of wall-thickness penetration for each indication of an imperfection, and
3. Identification of tubes plugged and/or repaired.

A phone conference has been arranged with members of your staff to discuss the ongoing results of the SG tube inspections to be conducted during the upcoming Saint Lucie, Unit 2 refueling outage. This phone call will occur after the majority of the tubes have been inspected, but before the SG inspection activities have been completed. Attached is a list of discussion points to facilitate this phone conference.

Mr. J. A. Stall

-2-

April 8, 2003

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.

Sincerely,

*/RA/*

Brendan T. Moroney, Project Manager, Section 2  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-389

Enclosure: List of Discussion Points

cc w/encl: See next page

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.

Sincerely,

*/RA/*

Brendan T. Moroney, Project Manager, Section 2  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

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Enclosure: List of Discussion Points

cc w/encl: See next page

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Mr. J. A. Stall  
Florida Power and Light Company

**ST. LUCIE PLANT**

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Jensen Beach, Florida 34957

DISCUSSION POINTS

STEAM GENERATOR TUBE INSPECTION

PREPARED BY THE OFFICE OF NUCLEAR REACTOR REGULATION

FLORIDA POWER AND LIGHT COMPANY

SAINT LUCIE NUCLEAR PLANT, UNIT 2

DOCKET NO. 50-389

The following discussion points have been prepared to facilitate the phone conference arranged with Florida Power and Light to discuss the results of the steam generator (SG) tube inspections to be conducted during the upcoming Saint Lucie Unit 2 refueling outage. This phone call is scheduled to occur towards the end of the planned SG tube inspection interval, but before the unit exits its refueling outage.

The Nuclear Regulatory Commission (NRC) staff plans to document a brief summary of the conference call as well as any material that may be provided to the NRC 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 general 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).

Enclosure

9. If SGs contain Alloy 600 thermally treated tubing, discuss actions taken (if any) based on Seabrook's recent findings. Refer to NRC Information Notice 2002-21, Supplement 1 (ADAMS Accession Number ML030900517).
10. Discuss the use or reliance on inspection probes (eddy current or ultrasonic) other than bobbin and typical rotating probes, if applicable.
11. Describe in situ pressure test plans and results, if applicable and available, including tube selection criteria.
12. Describe tube pull plans and preliminary results, if applicable and available; include tube selection criteria.
13. Discuss the assessment of tube integrity for the previous operating cycle (i.e., condition monitoring).
14. Discuss the assessment of tube integrity for next operating cycle (i.e., operational assessment).
15. Provide the schedule for SG-related activities during the remainder of the current outage.