

April 19, 2007

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: ST. LUCIE PLANT, UNIT 2 - REQUEST FOR ADDITIONAL INFORMATION  
REGARDING THE STEAM GENERATOR TUBE INTEGRITY TECHNICAL  
SPECIFICATION AMENDMENT (TAC NO. MD2322)

Dear Mr. Stall:

On May 25, 2006, Florida Power & Light Company (the licensee) submitted a license amendment request (LAR) regarding St. Lucie Unit 2 steam generator (SG) tube integrity technical specifications (TS). The proposed amendment would revise the SG tube integrity TS to be consistent with the U.S. Nuclear Regulatory Commission's (NRC's) approved Technical Specification Task Force (TSTF) Standard Technical Specification Change Traveler, TSTF-449, "Steam Generator Tube Integrity," Revision 4. The licensee submitted additional information regarding this LAR in letter dated January 22, 2007.

The NRC staff has determined that more information is needed to complete our review. Enclosed is the Request for Additional Information.

This request was discussed with Mr. Ken Frehauffer of your staff on March 19, 2007, and it was agreed that a response would be provided by April 20, 2007. If you have any questions, please feel free to contact me at 301-415-2020.

Sincerely,

*/RA/*

Brenda L. Mozafari, Senior Project Manager  
Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-389

Enclosure: As stated

cc w/encl: See next page

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REQUEST FOR ADDITIONAL INFORMATION

FLORIDA POWER AND LIGHT COMPANY

ST. LUCIE NUCLEAR POWER PLANT, UNIT 2

DOCKET NUMBER 50-389

1. Discuss your plans to modify TS Section 6.8.4.1.2.c.3 to be consistent with your current TS. "All tubes with sleeves that have a nickel band shall be plugged after one cycle in operation." The staff is aware that the staff's previous suggestion for this TS section had a typographical error.
2. Proposed TS Section 6.8.4.1.2.c.4.ii does not appear to be complete, since it assumes the repair criteria is independent of the location of the lower sleeve joint within the tubesheet. For example, if there is a lower sleeve joint at 10 inches from the top of tubesheet, the currently proposed TS would allow flaws below this region to remain in service. It is not clear that this is technically acceptable. As a result, discuss your plans to modify this TS section to address the repair criteria for the various locations where the sleeve joint could exist.
3. Discuss your plans to modify proposed TS Section 6.8.4.1.2.d to clearly define when the inspection exclusion is applied. For example, "For tubes with no portion of a lower sleeve joint in the hot-leg tubesheet region, the portion of the tube below 10.3 inches from the top of the hot leg tubesheet or expansion transition, whichever is lower, is excluded when the alternate repair criteria in TS Section 6.8.4.1.2.c.4 are applied."

In addition, the second sentence in the fifth paragraph on page 8 of Attachment 4 should be modified to read, "For the original SGs, when the alternate repair criteria in TS Section 6.8.4.1.2.c.4 are applied, a SG tube is defined. . . ."

4. Given that the original SGs have an approved SG tube repair method (i.e., sleeving), discuss your plans to modify TS Section 6.9.1.13.e to read as follows, "Number of tubes plugged or repaired during the inspection outage for each active degradation mechanism."
5. On page 13 of Attachment 4 it is stated, "To ensure that the margin is consistent with the Staff's discussion in the Reference 3, St. Lucie Unit 2 procedures further administratively limit operational leakage." This sentence appears to imply that meeting the margins defined in Reference 3 will ensure you always meet your accident induced leakage limit. That was not the intent of the discussion in Reference 3. Discuss your plans to modify this sentence to read as follows, "St. Lucie Unit 2 procedures further administratively limit operational leakage with the intent that the accident induced leakage limits are not exceeded."
6. On page 19 of Attachment 4, you indicate, in part that site boundary doses for an SG tube rupture (SGTR) will not exceed an appropriately small fraction of Title 10 of the *Code of Federal Regulations* (10 CFR), Part 100. The staff was under the impression that your SGTR source term is based on 10 CFR, Part 50.67. Confirm whether Part 100 is the appropriate reference on page 19 and correct if necessary.

Mr. J. A. Stall  
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cc:

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