

August 22, 2006

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 NUCLEAR PLANT, UNIT 1 - REQUEST FOR ADDITIONAL
INFORMATION REGARDING STEAM GENERATOR TUBE INTEGRITY
TECHNICAL SPECIFICATION AMENDMENT REQUEST (TAC NO. MD1382)

Dear Mr. Stall:

By letter dated April 24, 2006, Florida Power & Light Company requested an amendment to the St. Lucie Nuclear Plant, Unit 1, technical specifications (TSs) requirements regarding steam generator tube integrity, based on TS Task Force traveler TSTF-449.

The U.S. Nuclear Regulatory Commission staff has reviewed your request and finds that a response to the enclosed Request for Additional Information is needed before we can complete the review.

This request was discussed with members of your staff and on August 15, 2006, Mr. Ken Frehafer agreed that a response would be provided within 2 weeks of the date of this letter. If you have any questions, please contact me at (301) 415-3974.

Sincerely,

/RA/

Brendan T. Moroney, Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-335

Enclosure: As stated

cc w/encl: See next page

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REQUEST FOR ADDITIONAL INFORMATION

ST LUCIE NUCLEAR PLANT, UNIT NO. 1

STEAM GENERATOR TUBE INTEGRITY TECHNICAL SPECIFICATION AMENDMENT

DOCKET NO. 50-335

By letter dated April 24, 2006, Florida Power & Light Company requested an amendment to the St. Lucie Nuclear Plant, Unit 1, technical specifications (TSs) requirements regarding steam generator tube integrity, based on TS Task Force traveler TSTF-449.

The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed this request and finds that the following additional information is needed to complete the review.

1. On page 13 of Attachment 2 of the submittal, the proposed revision to TS 3.4.6.1 adds the statement “. . . *per Surveillance Requirement 4.4.6.2.c . . .*” under Actions a and b. The purpose of adding this statement is not clear, since Surveillance Requirement (SR) 4.4.6.2.c has no additional details. In addition, the action statements require the reactor coolant system water inventory balance to be performed at least once per 24 hours, which appears to conflict with the 72-hour requirement stated in the current SR 4.4.6.2.c. Please explain the purpose of adding this statement or discuss your plans to remove it.

The remaining questions relate to the proposed TS Bases in Attachment 4 of the submittal.

2. The current Bases for TS 3/4.4.6.2 (shown on page 11) states that the dosage contribution from the tube leakage will be limited to a small fraction of Title 10, *Code of Federal Regulations* (10 CFR) Part 100 dose guideline values. The proposed revisions on pages 6 and 12 state that the dose consequences are within the limits of 10 CFR Part 100 and 10 CFR 50.67. Please clarify whether your current NRC-approved accident source term is based on Part 100 (as referenced in the current TS Bases), 10 CFR 50.67 or both?
3. On page 12, in the proposed insert to B3/4.4.6.2, there appear to be two words missing from the second sentence of the third paragraph. The sentence currently reads: “*Therefore, monitoring reactor coolant leakage . . .*” The sentence should read: “*Therefore, **detecting and monitoring** . . .*” according to the Standard TSs. Please discuss your plans to add these two words to the proposed TS Bases.
4. On page 6, the last sentence of the second paragraph currently reads: “. . . *or the NRC approved licensing basis (e.g., a small fraction of these limits).*” However, on page 12, the same sentence appears in the last paragraph but the statement included in the parentheses is missing. Please discuss your plans to add this statement in this section.

Enclosure

5. There are several proposed changes to the Bases for TS 3/4.4.6, Reactor Coolant System Leakage, that go beyond TSTF-449. Please confirm that all of the proposed changes are consistent with your current NRC-approved design and licensing bases. If they are not consistent, please provide a technical justification for the differences or discuss your plans to remove them.
6. On page 9, the proposed Bases for TS 3.4.5, Actions a.1 and a.2, indicate that the affected tubes(s) must be plugged prior to entering HOT STANDBY. However, the corresponding requirement of TS 3.4.5 is to plug the tube(s) before entering HOT SHUTDOWN. Please discuss your plans to modify this statement.
7. Under Item “d” on page 13, there appears to be a typographical error in the first sentence. It appears that “*with*” should be “*within*.” Please discuss your plans to correct this error.
8. On page 14, the proposed Bases associated with TS 3.4.6.2, Action b, does not address the need to be in Hot Standby within 6 hours and Cold Shutdown within the following 30 hours in the event that unidentified or identified leakage cannot be reduced to within limits within 4 hours. Please discuss your plans to modify the proposed Bases to address this issue.

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

cc:

Mr. William E. Webster
Vice President, Nuclear Operations
Florida Power & Light Company
P.O. Box 14000
Juno Beach, FL 33408-0420

Senior Resident Inspector
St. Lucie Plant
U.S. Nuclear Regulatory Commission
P.O. Box 6090
Jensen Beach, Florida 34957

Craig Fugate, Director
Division of Emergency Preparedness
Department of Community Affairs
2740 Centerview Drive
Tallahassee, Florida 32399-2100

M. S. Ross, Managing Attorney
Florida Power & Light Company
P.O. Box 14000
Juno Beach, FL 33408-0420

Marjan Mashhadi, Senior Attorney
Florida Power & Light Company
801 Pennsylvania Avenue, NW.
Suite 220
Washington, DC 20004

Mr. Douglas Anderson
County Administrator
St. Lucie County
2300 Virginia Avenue
Fort Pierce, Florida 34982

Mr. William A. Passetti, Chief
Department of Health
Bureau of Radiation Control
2020 Capital Circle, SE, Bin #C21
Tallahassee, Florida 32399-1741

Mr. Gordon L. Johnston
Site Vice President
St. Lucie Nuclear Plant
6351 South Ocean Drive
Jensen Beach, Florida 34957-2000

ST. LUCIE PLANT

Mr. Christopher R. Costanzo
Plant General Manager
St. Lucie Nuclear Plant
6351 South Ocean Drive
Jensen Beach, Florida 34957

Mr. Terry Patterson
Licensing Manager
St. Lucie Nuclear Plant
6351 South Ocean Drive
Jensen Beach, Florida 34957

Mark Warner, Vice President
Nuclear Operations Support
Florida Power & Light Company
P.O. Box 14000
Juno Beach, FL 33408-0420

Mr. Rajiv S. Kundalkar
Vice President - Nuclear Engineering
Florida Power & Light Company
P.O. Box 14000
Juno Beach, FL 33408-0420

Mr. J. Kammel
Radiological Emergency
Planning Administrator
Department of Public Safety
6000 Southeast Tower Drive
Stuart, Florida 34997

Mr. Bill Parks
Operations Manager
St. Lucie Nuclear Plant
6351 South Ocean Drive
Jensen Beach, Florida 34957-2000