

September 30, 2005

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 - SECOND REQUEST FOR
ADDITIONAL INFORMATION REGARDING RELIEF REQUEST NO. 26 -
REPAIR OF ALLOY 600 SMALL BORE NOZZLES WITHOUT FLAW REMOVAL
(TAC NO. MC6944)

Dear Mr. Stall:

By letter L-2005-099 dated April 29, 2005, Florida Power and Light (FPL) submitted a request to the U.S. Nuclear Regulatory Commission (NRC) for relief from certain requirements of the American Society of Mechanical Engineers Code for St. Lucie Unit 1. Specifically, pursuant to Title 10, *Code of Federal Regulations* (10 CFR), Section 50.55a(a)(3)(ii), Relief Request No. 26 requested an alternative to the requirements of paragraph IWB-3132.3, Acceptance by Replacement, that states, "As an alternative to the repair requirement of IWB-3132.2, the component or the portion of the component containing the flaw shall be removed." By letter dated August 25, 2005, FPL responded to an NRC Request for Additional Information (RAI) dated August 11, 2005.

The NRC staff has reviewed your RAI response and finds that additional information is needed before we can complete the review. This request was discussed with members of your staff on September 22, 2005. On September 29, 2005, Mr. George Madden indicated that a response would be provided by October 15, 2005.

If you have any questions, please contact me at (301) 415-3974.

Sincerely,

/RA/

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

Docket No. 50-335

Enclosure: Request for Additional Information

cc w/encl: See next page

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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 RELIEF REQUEST NO. 26 -REPAIR OF ALLOY
600 SMALL BORE NOZZLES WITHOUT FLAW REMOVAL (TAC NO. MC6944)

Dear Mr. Stall:

By letter L-2005-099 dated April 29, 2005, Florida Power and Light (FPL) submitted a request to the U.S. Nuclear Regulatory Commission (NRC) for relief from certain requirements of the American Society of Mechanical Engineers Code for St. Lucie Unit 1. Specifically, pursuant to Title 10, *Code of Federal Regulations* (10 CFR), Section 50.55a(a)(3)(ii), Relief Request No. 26 requested an alternative to the requirements of paragraph IWB-3132.3, Acceptance by Replacement, that states, "As an alternative to the repair requirement of IWB-3132.2, the component or the portion of the component containing the flaw shall be removed." By letter dated August 25, 2005, FPL responded to an NRC Request for Additional Information (RAI) dated August 11, 2005.

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REQUEST FOR ADDITIONAL INFORMATION

FLORIDA POWER AND LIGHT COMPANY

ST. LUCIE NUCLEAR POWER PLANT, UNIT 1

DOCKET NUMBER 50-335

Based on review of Florida Power and Light's response to a Request for Additional Information (RAI) dated August 25, 2005, the following additional information is needed in order to complete the staff's safety evaluation of Relief Request (RR) 26 for St. Lucie Unit 1:

- (1) Regarding the response to RAI question 6:
 - (a) Provide details regarding the two heat numbers you referenced in your response, such as the heat number and the manufacturer.
 - (b) If more than those two heats of materials were used for the nozzles identified in Table 1, provide information (heat number, manufacturer and RT_{NDT}) on all heats of materials that are used.
 - (c) You indicated that RT_{NDT} of 60 degree F value was used in the analysis of Westinghouse Topical Report WCAP-15973-P, Revision 01. Confirm that this is the bounding value used in the Topical Report. If not, provide justification why the bounding value was not referenced.
- (2) In Table 1, there are three types of nozzles based on identification tags, such as PDT-1121D, TE1112HA and RC-143. No description was provided regarding each type of nozzle. However, in Table 2, dimensions of two types of nozzles (flow nozzle and RTD nozzle) are shown. Provide a description of the dimensions for the third type of nozzles as shown in Table 1. Are they bounded by the other two types of nozzles?
- (3) In your response to RAI Question 4.e, you stated that there is no need to track plant operating conditions during the remainder of the current inspection interval, as there is sufficient wall thickness margin to maintain the minimum required wall thickness. Please identify which wall thickness dimension you are referring to and also confirm if this dimension is used in the analysis in WCAP-15973-P, Rev. 01, as a limiting dimension. In the referenced statement please reference the allowable nozzle bore diameter, which is relevant to the issue under discussion and is supported by the discussion provided in the remainder of the response.

Enclosure

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

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