

April 10, 2002

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 1 - REQUEST FOR ADDITIONAL INFORMATION  
REGARDING THE REPLACEMENT OF REACTOR COOLANT SYSTEM HOT  
LEG INSTRUMENT NOZZLE RC-126 (TAC NO. MB2224)

Dear Mr. Stall:

By letter dated May 24, 2001, Florida Power and Light Company (FPL) submitted information regarding replacement of Reactor Coolant System hot leg instrument nozzle RC-126 on St. Lucie Unit 1 during the spring 2001 refueling outage. The nozzle was replaced using a half-nozzle technique, which FPL concluded was bounded by the analytical evaluation and the evaluation procedures contained in Combustion Engineering Owners Group Topical Report CE NPSD-1198-P, *Low-Alloy Steel Component Corrosion Analysis Supporting Small-Diameter Alloy 600/690 Nozzle Repair/Replancement Programs*.

The NRC staff has reviewed your submittal and finds that a response to the enclosed Request for Additional Information is needed before the review can be completed.

This request was discussed with your staff on March 6, 2002. At the end of the discussion, Mr. George Madden of your staff agreed that a response would be provided within 60 days of receipt of this letter.

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: RAI

cc w/encl: See next page

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Florida Power and Light Company

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REQUEST FOR ADDITIONAL INFORMATION

REPLACEMENT OF RCS HOT LEG INSTRUMENT NOZZLE RC-126

ST. LUCIE PLANT, UNIT 1

DOCKET NO. 50-335

In its May 24, 2001 submittal, FPL determined that the half-nozzle repair at St. Lucie Unit 1 was bounded by Combustion Engineering Owners Group proprietary Topical Report CE NPSD-1198-P. In order to verify this conclusion, please provide the following additional information:

1. To confirm that the amount of corrosion is bounded by the topical report:
  - a. Will St. Lucie future operations be bounded by the assumptions stated in Section 2.3, Item (5) of the topical report?
  - b. Provide your plans for periodically reassessing that plant operation continues to be bounded by the assumptions of the topical report, or justify why this is not necessary.
2. To confirm that the amount of flaw growth is bounded by the topical report, were the initial flaw size and the number of Unit 1 transients (both heatup/cooldown and plant leak tests) bounded by the assumptions in Section 3.3 of the topical report?
3. Confirm that the Unit 1 half-nozzle repair meets ASME Code Section XI requirements for weld repair procedures, weld heat treatment procedures, post-weld inspection, and removal of defect (i.e., Section XI, IWB-3142.4 or IWB-3142.5). If Section XI requirements are not satisfied, identify proposed alternatives per 10 CFR 50.55a.