

May 12, 2003

Mr. William Jefferson
Senior Vice President - Nuclear
and Chief Nuclear Officer
Florida Power and Light Company
700 Universe Boulevard
P. O. Box 14000
Juno Beach, FL 33408-0420

SUBJECT: REQUEST FOR CLARIFICATION OF THE SUPPLEMENTAL RESPONSE TO
THE REQUEST FOR ADDITIONAL INFORMATION (RAI) 2.1-2 CONCERNING
THE NONSEGREGATED-PHASE BUS RELATED TO THE APPLICATION FOR
RENEWED OPERATING LICENSES FOR ST. LUCIE UNITS 1 AND 2
(TAC NOS. MB3406 AND MB3412)

Dear Mr. Jefferson:

By letter dated November 29, 2001, Florida Power and Light Company (FPL) submitted, for Nuclear Regulatory Commission (NRC) review, an application, pursuant to Title 10, Part 54, of the *Code of Federal Regulations* (10 CFR Part 54), to renew the operating licenses for the St. Lucie Nuclear Plant, Units 1 and 2. The NRC staff is reviewing the information contained in this license renewal application (LRA) and has identified, in the enclosure, an area where additional information is needed to complete its review. Specifically, the enclosed request for clarification concerns the supplemental response to the request for additional information (RAI) 2.1-2 contained in a letter dated September 26, 2002.

Please provide a schedule, by letter or electronic mail, for submitting your response within 30 days of the receipt of this letter. Additionally, the staff would be willing to meet with FPL prior to the submittal of the response to clarify its request for a clarification.

Sincerely,

/RA/

Noel Dudley, Senior Project Manager
License Renewal and Environmental Impacts Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket Nos. 50-335 and 50-389

Enclosure: As stated

cc w/encl: See next page

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*See previous concurrences

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ST. LUCIE UNITS 1 AND 2
LICENSE RENEWAL APPLICATION

The staff of the U.S. Nuclear Regulatory Commission (NRC) held a telephone conference with the applicant on May 9, 2003, to discuss the applicant's supplemental response to the staff's request for additional information 2.1-2 contained in a letter dated September 26, 2002. During the teleconference, the staff requested clarification of the applicant's supplement response concerning aging management of the nonsegregated-phase bus. The staff requests that the applicant provide a schedule for submitting its clarification within 30 days of the receipt of this request.

Requested Clarification to Supplemental Response to RAI 2.1-1

1. Industry experience (i.e., IN 89-64) indicates that the potential exists for Noryl-insulated medium-voltage bus bars to experience catastrophic failure if they are not periodically inspected and maintained. Failures have occurred at the Palo Verde, Kewaunne, Millstone, and Sequoyah plants. If bus bars at St. Lucie are insulated, then explain why failure of insulated bus bars are not a concern at St. Lucie.
2. Describe the design of the non-segregated bus duct system at St. Lucie and explain why accumulation of water, dust, or debris is not a concern, as indicated in IN 89-64. Are there any ventilation openings in the bus ducts? If there are no ventilation openings, then explain how the bus duct is cooled. If there are openings, can moisture, dust, or debris get into the ventilation openings?
3. During the May 9, 2003 conference call between the staff and the applicant, the applicant indicated that it will revise the Table 2.1-7 and Table 2.1-8 of the September 26, 2002, response to include the non-segregated bus ducts in the System and Structures Monitoring Program. How does the program inspect the waterproofing material (i.e., seals) for the non-segregated phase bus ducts?

Enclosure