

April 14, 2003

LICENSEE: Florida Power and Light Company

FACILITY: St. Lucie Nuclear Station, Units 1 and 2

SUBJECT: SUMMARY OF TELEPHONE CALLS BETWEEN THE NRC AND THE FLORIDA POWER AND LIGHT COMPANY CONCERNING DRAFT SUPPLEMENTAL RESPONSE TO A SAFETY EVALUATION REPORT OPEN ITEM PERTAINING TO THE ST. LUCIE, UNITS 1 AND 2, LICENSE RENEWAL APPLICATION (TAC NOS. MB3406 AND MB3412)

The NRC staff (hereafter referred to as "staff") and representatives of the Florida Power and Light Company (FPL or the applicant) held telephone calls on March 18 and March 25, 2003, to discuss the applicant's draft supplemental response to an open item in the Safety Evaluation Report (SER) with Open Items issued on February 7, 2003. On the basis of the discussions, the applicant plans to revise its draft supplemental responses to the open item by providing additional information. No staff decisions were made during the meeting. A summary of the open item discussed and the applicant's proposed actions are presented below.

#### Open Item 3.6.2.1-1, Fuse Holders

On March 18, 2003, the staff and applicant discussed Open Item 3.6.2.1-1 regarding aging management of fuse holders.

This open item was based on the staff's position that the fuse holders, including both the insulation material and the metallic clamps, are subject to both an aging management review (AMR) and aging management program (AMP) for license renewal. The staff did not agree that the applicant had adequately addressed the aging effects of the fuse holders, specifically the metallic portions. In addition, the Interim Staff Guidance (ISG)-5, "Identification and Treatment of Electrical Fuse Holders for License Renewal," (issued on March 4, 2003) had not been issued at the time. Therefore, the staff concluded to follow up this item.

In its draft response to open items received by the staff on February 26, 2003, the applicant stated that the only fuse holders determined to require an AMR were those installed to address the requirements of Regulatory Guides 1.63 and 1.75 to provide double isolation for non-safety related loads powered from safety related power supplies. These fuse holders are installed in isolation panels located in the Reactor Auxiliary Buildings in rooms classified as "mild environment" areas (e.g., electrical equipment rooms). The AMR of electrical connections (including the fuse holders mentioned above) was performed and concluded that there were no aging effects requiring an AMP for the connections.

In its draft supplemental response to open items received by staff on March 13, 2003, the applicant revised its response to include additional information related to its AMR to address ISG-5. The applicant stated, based on its AMR, that there were no aging effects requiring

management for electrical connections including fuse holders associated with the panels mentioned above. The applicant's draft supplemental response, received on March 13, 2003, is included in Enclosure 1.

The telephone call on March 18, 2003 was made to address the staff's concern with regard to oxidation and corrosion of the fuse holders. The applicant stated that the fuse holders are made of corrosion resistant material (e.g., tin plated copper alloy), and therefore, corrosion is not a concern. Upon the staff's request, the applicant agreed to provide supplemental information on these fuse holders and affected clips, including data that support corrosion resistance for the tin plated copper alloy material and associated manufacturer's catalog sheet. The applicant's draft supplemental response, received on March 19, 2003, is included in Enclosure 2.

On March 25, 2003, the staff asked the applicant to identify the types of electrical loads that are connected to the fuses holders in the scope of license renewal requiring an AMR. The applicant provided a summary description of the electrical loads as follows:

- instrumentation racks for safety injection (SI) tank pressure indicating switches and SI flow and pressure monitors,
- an area radiation monitor local indicator/alarm panel,
- control room air conditioning unit control panel space heaters and an auxiliary control panel,
- an electronic assembly for a containment water level transmitter,
- a containment atmosphere hydrogen analyzer cubicle,
- lube water supply strainer control panels,
- power to shield building Train B heater control system,
- power to Control Element Drive Mechanism cooling fans.

The applicant stated that these electrical loads do not support any safety function. The staff determined that no further information was necessary to complete its review.

A draft copy of this summary was provided to the applicant to allow it the opportunity to comment prior to the summary being issued. Lists of the participants in the conference calls are provided in Enclosure 3.

**/RA/**

Tilda Y. Liu, Project Manager  
License Renewal Section  
License Renewal and Environmental Impacts Program  
Division of Regulatory Improvement Programs  
Office of Nuclear Reactor Regulation

Docket Nos: 50-335 and 50-389

Enclosures: 1. Draft supplemental response received on March 13, 2003  
2. Draft supplemental response received on March 19, 2003  
3. Lists of the participants in the conference calls

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ST. LUCIE, UNITS 1 AND 2  
LICENSE RENEWAL APPLICATION**

**March 18 and 25, 2003**

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