



December 11, 2003

L-2003-310
10 CFR 50.90

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

RE: St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Proposed License Amendments
Addition of Spent Fuel Pool Cask Pit Rack
Request for Additional Information Response

By letter L-2002-187 dated October 23, 2002, Florida Power & Light Company (FPL) submitted proposed license amendments to revise the Technical Specifications to include the design of a new cask pit rack for each unit in order to increase each unit's spent fuel storage capacity. By letter L-2003-215 dated August 28, 2003, FPL provided a response to the U.S. Nuclear Regulatory Commission (NRC) request for additional information (RAI) dated July 22, 2003.

By letter dated November 4, 2003, NRC staff requested further additional information. The request was discussed with FPL staff and a response date of December 12, 2003 was established.

Attachment 1 contains the FPL response. The response credits a single-failure-proof crane and associated rigging to handle the proposed cask pit rack. The original No Significant Hazards Determination remains valid and bounding under these circumstances. As stated in the proposed license amendments, the consequences of the cask drop event continue to bound the postulated rack drop event, irrespective of the position established in Attachment 1 that the single-failure-proof cranes will effectively preclude the potential for a rack drop event.

In accordance with 10 CFR 50.91(b)(1), a copy of the RAI response is being forwarded to the State Designee for the State of Florida.

Please contact us if there are any questions about this submittal.

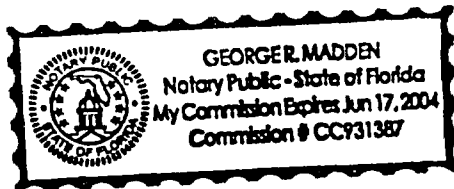
Very truly yours,

William Jefferson, Jr.
Vice President
St. Lucie Plant

Attachment

cc: Mr. W. A. Passetti, Florida Department of Health

A001



RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION (RAI)

ADDITION OF SPENT FUEL POOL CASK PIT RACK AMENDMENT

Question

Section 3.5 "Handling of Heavy Loads" of the October 23, 2002, submittal stated:

Section 3.5 in Enclosure 2 details the defense-in-depth approach taken to ensure that the handling of the racks and platforms by the cask handling cranes will comply with the NUREG-0612 guidance.

However, the discussion in Section 3.5 of Enclosure 2 seems to be limited to the guidance addressed in Section 5.1.1 of NUREG-0612.

Compliance with NUREG-0612 is also addressed in the licensee's August 28, 2003, response to the staff RAI; however, the responses to RAI questions 6 and 7 concerning compliance with NUREG-0612 address only Section 5.1.1 of NUREG-0612.

Guidance given in Section 5.1.2 of NUREG-0612 recommends that one of the four criteria listed in Section 5.1.2 of the NUREG also be satisfied. Describe how the Spent Fuel Cask Handling Crane meets the guidelines of Section 5.1.2 of NUREG-0612.

FPL Response:

Of the four alternate criteria recommended in NUREG-0612, Section 5.1.2 (Spent Fuel Pool Area – PWR), to provide assurance that the guidelines of Section 5.1.1 are met for heavy loads lifted in the spent fuel pool area, St. Lucie credits the single-failure-proof design of the cask handling crane and its associated lifting devices to satisfy the guidance of Section 5.1.2 Criterion 1. New cask handling cranes have recently been installed that satisfy the regulatory guidance for single-failure-proof handling systems found in NUREG-0612, Section 5.1.6 and NUREG-0554, "Single-Failure-Proof Cranes for Nuclear Power Plants." Refer to FPL letter L-2003-309 for a description of the crane certifications.