

Mr. Thomas P. Plunkett
President, Nuclear Division
Florida Power and Light Company
Post Office Box 14000
Juno Beach, Florida 33408-0420

July 21, 1997

SUBJECT: STAFF EVALUATION REPORT OF ST. LUCIE, UNITS 1 AND 2, INDIVIDUAL
PLANT EXAMINATION (IPE) SUBMITTAL - (TAC NOS. M74473 AND M74474)

Dear Mr. Plunkett:

On December 9, 1993, Florida Power and Light Company (FPL) submitted a response to Generic Letter (GL) 88-20, "Individual Plant Examination For Severe Accident Vulnerabilities" and associated supplements. Responses to requests for additional information were submitted on May 23, 1996 and January 7, 1997. In accordance with GL 88-20, FPL also proposed to resolve Unresolved Safety Issue (USI) A-45, "Shutdown Decay Heat Removal Requirements".

The U. S. Nuclear Regulatory Commission (NRC) staff, with the assistance of Brookhaven National Laboratory, has completed a review of these submittals. The Staff Evaluation Report is enclosed. The NRC staff concluded that the FPL IPE process is capable of identifying the most likely severe accidents and severe accident vulnerabilities for St. Lucie, Units 1 and 2, and, therefore, meets the intent of GL 88-20. In addition, the staff found that the FPL evaluation of decay heat removal vulnerabilities was consistent with the intent of the USI A-45 resolution and is therefore acceptable. This completes our efforts under TAC Nos. M74473 and M74474.

Sincerely,

Original signed by
L. A. Wiens, Senior Project Manager
Project Directorate II-3
Division of Reactor Projects-I/II
Office of Nuclear Reactor Regulation

Docket Nos. 50-335 and 50-389

Enclosure: Staff Evaluation Report

cc w/Enclosure: See next page

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