UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET SW SUITE 23T85
ATLANTA, GEORGIA 30303-8931

October 12, 2001

Florida Power and Light Company
ATTN: Mr. J. A. Stall
Senior Vice President, Nuclear and
Chief Nuclear Officer
P. O. Box 14000
Juno Beach, FL 33408-0420

SUBJECT: SAFETY SYSTEM DESIGN AND PERFORMANCE CAPABILITY INSPECTION
NRC INSPECTION REPORT NOS. 50-335/2001-07, 50-389/2001-07

Dear Mr. Stall:

The purpose of this letter is to notify you that the U.S. Nuclear Regulatory Commission (NRC) Region II staff will conduct a safety system design and performance capability inspection at your Saint Lucie facility during January, 2002. A team of five inspectors will perform the inspection. The inspection team will be led by Mr. J. Lenahan, a senior reactor inspector from the NRC Region II Office. The inspection will be conducted in accordance with baseline Inspection Procedure 71111.21, Safety System Design and Performance Capability.

The inspection objective will be to evaluate the capability of the high pressure safety injection system and support systems, as well as other related systems, to perform the functions required to mitigate a small break loss of coolant (LOCA) event.

During a telephone conversation on October 5, 2001, Mr. J. Lenahan of my staff, and Mr. K. Frehafer of your staff, confirmed arrangements for an information gathering site visit and the two-week onsite inspection. The schedule is as follows:

- Information gathering visit: Week of November 5, 2001
- Onsite inspection: January 14 - 18 and January 28 - February 1, 2002

The purpose of the information gathering visit is to obtain information and documentation outlined in the enclosure needed to support the inspection. Mr. R. Bernhard, a Region II Senior Reactor Analyst, will accompany Mr. Lenahan during the information gathering visit to review PRA data and identify risk significant components which will be examined during the inspection. Please contact Mr. Lenahan prior to preparing copies of the materials listed in the Enclosure. The inspectors will try to minimize your administrative burden by specifically identifying only those documents required for inspection preparation.

During the information gathering visit, the team leader will also discuss the following inspection support administrative details: office space; specific documents requested to be made available to the team in their office space; arrangements for reactor site access; and the availability of knowledgeable plant engineering and licensing organization personnel to serve as points of contact during the inspection.

Thank you for your cooperation in this matter. If you have any questions regarding the information requested or the inspection, please contact me at (404) 562-4605, or Mr. Lenahan at
(404) 562-4625.

Sincerely,

/RA/

Charles R. Ogle, Chief
Engineering Branch
Division of Reactor Safety

Docket Nos. 50-335, 50-389
License Nos. DPR-67, NPF-16

Enclosure: Information Request for the High Pressure Safety Injection System

cc w/encl:
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INFORMATION REQUEST FOR THE SAFETY SYSTEM DESIGN AND PERFORMANCE CAPABILITY INSPECTION:

SMALL BREAK LOCA EVENT

Note: Electronic media is preferred if readily available (i.e., on computer disc).

- Site specific administrative procedures related to standard operation, abnormal operation, and emergency operation of the high pressure safety injection (HPSI) system, including support systems, and other related systems during a small break loss of coolant accident (LOCA). Other related systems include, but may not be limited to the emergency diesel generator, other portions of the emergency core cooling system (e.g. the safety injection tanks and containment building sumps), the component cooling water system, and the instrument air system.

- Design criteria (i.e., design basis documents) for the HPSI system and other related systems.

- HPSI system Technical Specification requirements and a list of associated surveillance test/calibration procedures for the HPSI system and related systems.

- Copies of applicable sections of the UFSAR for the HPSI system, and other related systems and copies of applicable sections of changes to the UFSAR which have yet to be docketed.

- HPSI system, and other related systems piping and instrumentation drawings, one-line diagrams; electrical schematics, and wiring and logic diagrams.

- A list of engineering calculations (Electrical, Instrumentation and Controls and Mechanical/Nuclear) applicable to the HPSI system, and other related systems.

- A list of plant modifications to the HPSI system, and other related systems, implemented since 1992.

- List of current open temporary modifications and operator work arounds involving operation of the HPSI and the other related systems.

- List of Condition Reports (CRs) initiated since 1992 affecting the HPSI system, and other related systems.

- Summary of corrective maintenance activities, including the maintenance rule event log, performed on the HPSI system and other related systems in the past 12 months.

- An index of drawings for the HPSI system, and other related systems.

Enclosure

- Self-assessment performed on HPSI system and other related systems in the last 24 months.
- System description and operator training modules for the HPSI system and other related systems.
- Strategy for handling a small break LOCA.
- List of Operating Experience Program evaluations of industry, vendor, or NRC generic issues related to the HPSI system for the past 3 years.
- List of valves in the HPSI system required to change position for a small break LOCA.
- List of instrument setpoint changes affecting the HPSI system and related systems initiated since 1992. Include the number and title, date, brief description, and corresponding calculation number.
- Copies of the results of the containment building closeout inspections following outages performed since 1992.
- PRA Fault Tree Data for theHPSI.
- PRA/Risk Achievement Worth (RAW) listing for the HPSI system, and related support systems, evaluated for failure of the HPSI system.
- PRA Event Tree for the small break LOCA initiating event.
- A list of PRA system dependencies and success criteria for HPSI and its support systems