

September 11, 1995

Mr. J. H. Goldberg
President - Nuclear Division
Florida Power and Light Company
P.O. Box 14000
Juno Beach, Florida 33408-0420

SUBJECT: ST. LUCIE UNIT 1 - ISSUANCE OF AMENDMENT RE: HIGH PRESSURE SAFETY INJECTION PUMP 1C (TAC NO. M89641)

The Commission has issued the enclosed Amendment No. 139 to Facility Operating License No. DPR-67 for the St. Lucie Plant, Unit No. 1. This amendment consists of changes to the Technical Specifications in response to your application dated May 23, 1994.

The amendment revises Technical Specification 3.5.2 for Emergency Core Cooling Systems (ECCS) by removing the option that allows High Pressure Safety Injection (HPSI) Pump 1C to be used as an alternative to the preferred pump for subsystem operability. HPSI pump 1C is an installed spare which is not required to be maintained in an operable status, and this change upgrades the ECCS operability requirements consistent with actual plant operating needs.

A copy of the Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely,

Original signed by:

Jan A. Norris, Senior Project Manager
Project Directorate II-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket No. 50-335

Enclosures:

1. Amendment No. 139 to DPR-67
2. Safety Evaluation

cc w/enclosures: See next page

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NAME	EDunnington	JNorris	S. Horn	DMatthews	
DATE	08/30/95	08/30/95	08/17/95	08/11/95	
COPY	Yes/No	Yes/No	Yes/No	Yes/No	

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Mr. J. H. Goldberg
Florida Power and Light Company

St. Lucie Plant

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DATED: September 11, 1995

AMENDMENT NO. 139 TO FACILITY OPERATING LICENSE NO. DPR-67 - ST. LUCIE, UNIT 1

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

FLORIDA POWER & LIGHT COMPANY

DOCKET NO. 50-335

ST. LUCIE PLANT UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 139
License No. DPR-67

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Florida Power & Light Company, et al. (the licensee), dated May 23, 1994, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

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2. Accordingly, Facility Operating License No. DPR-67 is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and by amending paragraph 2.C.(2) to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 139, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days.

FOR THE NUCLEAR REGULATORY COMMISSION



David B. Matthews, Director
Project Directorate II-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: September 11, 1995

ATTACHMENT TO LICENSE AMENDMENT NO. 139

TO FACILITY OPERATING LICENSE NO. DPR-67

DOCKET NO. 50-335

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page. The revised page is identified by amendment number and contains a vertical line indicating the area of change.

Remove Page

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Insert Page

3/4 5-3

EMERGENCY CORE COOLING SYSTEMS

ECCS SUBSYSTEMS - $T_{avg} \geq 325^{\circ}\text{F}$

LIMITING CONDITION FOR OPERATION

3.5.2 Two independent ECCS subsystems shall be OPERABLE with each subsystem comprised of:

- a. One OPERABLE high-pressure safety injection (HPSI) pump,
- b. One OPERABLE low-pressure safety injection pump, and
- c. An independent OPERABLE flow path capable of taking suction from the refueling water tank on a Safety Injection Actuation Signal and automatically transferring suction to the containment sump on a Recirculation Actuation Signal.

APPLICABILITY: MODES 1, 2 and 3*.

ACTION:

- a. With one ECCS subsystem inoperable, restore the inoperable subsystem to OPERABLE status within 72 hours or be in HOT SHUTDOWN within the next 12 hours.
- b. In the event the ECCS is actuated and injects water into the Reactor Coolant System, a Special Report shall be prepared and submitted to the Commission pursuant to Specification 6.9.2 within 90 days describing the circumstances of the actuation and the total accumulated actuation cycles to date.

*With pressurizer pressure ≥ 1750 psia.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 139 TO FACILITY OPERATING LICENSE NO. DPR-67

FLORIDA POWER AND LIGHT COMPANY, ET AL.

ST. LUCIE PLANT, UNIT NO. 1

DOCKET NO. 50-335

1.0 INTRODUCTION

By letter dated May 23, 1994, Florida Power and Light Company (FPL), the licensee for St. Lucie Unit 1, proposed to change their Technical Specifications (TS). Specifically, the changes are proposed for TS 3.5.2, "Emergency Core Cooling Systems (ECCS)," to remove the option that allows High Pressure Safety Injection (HPSI) Pump 1C to be used as an alternative to the preferred HPSI pump for subsystem operability.

2.0 EVALUATION

The St. Lucie ECCS is capable of mitigating the consequences of a loss of coolant accident (LOCA) as set forth by the criteria in 10 CFR 50.46. The licensee indicated that the minimum requirement to meet the criteria is one high pressure and one low pressure safety injection pump along with its associated piping and valves.

Currently, the St. Lucie ECCS consists of two independent and redundant trains, A-train which includes HPSI pump A powered by 4160V emergency bus 1A3, and B-train which includes HPSI pump B powered by 4160V emergency bus 1B3. The third pump, HPSI pump 1C, is an installed spare and is capable of being aligned to the B HPSI header.

The licensee indicated that the Unit 1 safety analyses do not take credit for HPSI pump 1C. It is only required to be operable as a spare for the B-train pump. The HPSI pump 1C is energized via the 1AB swing-bus, only when it is powered by Emergency Bus 1B3. This configuration is necessary to maintain the redundant but independent requirement of 10 CFR 50.46.

The licensee is proposing to remove the requirement to maintain HPSI pump 1C as an installed spare, based on the ECCS requirements being fulfilled by the A and B trains. The licensee indicated in a teleconference on August 23, 1995, that they have no intention of returning the HPSI pump 1C to service. The pump had been valved-off from the ECCS and the motor has been disconnected.

3.0 TECHNICAL FINDING

The staff has reviewed the licensee's proposal to remove the option to use the 1C HPSI in lieu of 1B HPSI. Based on the licensee's submittal the requirements of 10 CFR 50.46 are met by the two ECCS trains A and B, and the HPSI pumps 1A and 1B are 100% capacity pumps. The licensee has also assured

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the staff that the HPSI pump 1C will not be returned to service. Therefore, the staff finds the licensee's proposal to delete the pump delineation from TS 3.5.2.a acceptable.

4.0 STATE CONSULTATION

Based upon the written notice of the proposed amendment, the Florida State official had no comments.

5.0 ENVIRONMENTAL CONSIDERATION

This amendment changes a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The NRC staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendments involve no significant hazards consideration and there has been no public comment on such finding (59 FR 34663). Accordingly, these amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of these amendments.

6.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: S. Brewer

Date: September 11, 1995