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U.S. NUCLEAR REGULATORY COMMISSION

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TO: Mr. V. Stello

FROM: FPL
Miami, Fla. 33101
R. E. Uhrig

DATE OF DOCUMENT: 7-9-76

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ENCLOSURE: Proposed Tech Speck Change Page 3/~~4~~ 4 1-22 & Safety Evaluation ....

(40 cys encl rec'd)

PLANT NAME: St. Lucie Unit 1

ACKNOWLEDGED

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FLORIDA POWER & LIGHT COMPANY

July 9, 1976
L-76-255

Regulatory Docket File

RECEIVED
JUL 15 1976
U.S. NUCLEAR REGULATORY COMMISSION
Mail Section

Office of Nuclear Reactor Regulation
Attention: Mr. Victor Stello, Director
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Stello:

Re: St. Lucie Unit 1
Docket No. 50-335
Proposed Amendment to
Facility Operating License DPR-67

In accordance with 10 CFR 50.30, Florida Power and Light Company submits herewith three (3) signed originals and forty (40) copies of a request to amend Appendix A of Facility Operating License DPR-67.

This submittal proposes a revision to Technical Specification 4.1.3.1.3. The proposed change is as described below and as shown on the accompanying Technical Specification page bearing the date of this letter in the lower right hand corner.

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The CEA Block Circuit surveillance requirements are revised.

The proposed amendment has been reviewed and the conclusion reached that it does not involve a significant hazards consideration; therefore, prenoticing pursuant to 10 CFR 2.105 should not be required. A written safety evaluation is attached.

Very truly yours,

Robert E. Uhrig

Robert E. Uhrig
Vice President

REU/MAS/cpc

Attachment

cc: Mr. Norman C. Moseley
Jack R. Newman, Esquire

7104

7-9-76
Regulatory Docket File

FULL LENGTH CEA POSITION (Continued)

LIMITING CONDITION FOR OPERATION (Continued)

f. With more than one full length CEA inoperable or misaligned from any other CEA in its group by 15 inches (indicated position) or more, be in HOT STANDBY within 6 hours.

SURVEILLANCE REQUIREMENTS

4.1.3.1.1 The position of each full length CEA shall be determined to be within 7.5 inches (indicated position) of all other CEAs in its group at least once per 12 hours except during time intervals when the Deviation Circuit and/or CEA Block Circuit are inoperable, then verify the individual CEA positions at least once per 4 hours.

4.1.3.1.2 Each full length CEA not fully inserted shall be determined to be OPERABLE by movement of at least 7.5 inches in any one direction at least once per 31 days.

4.1.3.1.3 The CEA Block Circuit shall be demonstrated OPERABLE at least once per 31 days by a functional test which verifies that the circuit prevents any CEA from being misaligned from all other CEAs in its group by more than 7.5 inches (indicated position).

4.1.3.1.4 The CEA Block Circuit shall be demonstrated OPERABLE at each refueling interval by a functional test which verifies that the circuit maintains the CEA group overlap and sequencing requirements of Specification 3.1.3.6.

SAFETY EVALUATION

Introduction

This evaluation discusses a proposed revision to the CEA Block Circuit surveillance requirements of Technical Specification 4.1.3.1.3.

Discussion

The current Specification requires a functional test at least once per 31 days to verify that the CEA Block Circuit maintains the CEA overlap and sequencing requirements of Specification 3.1.3.6. However, performance of CEA overlap and sequencing tests at power on a 31 day basis would generate undesirable axial flux changes and unnecessarily enhance xenon transients. Power level would have to be reduced to less than 20% rated power for the period of time necessary to borate and deborate thereby reducing plant availability. Optimum operating characteristics are attained by maintaining CEA groups withdrawn as much as possible. Therefore, it is proposed that the functional test required by Specification 4.1.3.1.3 be changed to one which verifies that the circuit prevents any CEA from being misaligned from all other CEAs in its group by more than 7.5 inches (indicated position).

A new Specification 4.1.3.1.4 has been added to retain the requirement for a functional test to verify CEA overlap and sequencing requirements, however, it is proposed that the test be performed at each refueling interval rather than once per 31 days. This would provide a separate surveillance of the CEA Block Circuit beyond the monthly verification described in Specification 4.1.3.1.3, but would do so without subjecting the reactor to non-optimum core profiles.

Conclusion

Based on these considerations, (1) the proposed change does not increase the probability or consequences of accidents or malfunctions of equipment important to safety and does not reduce the margin of safety as defined in the basis for any technical specification, therefore, the change does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

STATE OF FLORIDA)
) ss.
COUNTY OF DADE)

Robert E. Uhrig, being first duly sworn, deposes and says:

That he is a Vice President of Florida Power & Light Company, the Licensee herein;

That he has executed the foregoing document; that the statements made in this said document are true and correct to the best of his knowledge, information and belief, and that he is authorized to execute the document on behalf of said Licensee.

Robert E. Uhrig

Robert E. Uhrig

Subscribed and sworn to before me

this 9th day of July, 1976

Helen L. Carson

Notary Public, in and for the County of Dade, State of Florida

NOTARY PUBLIC STATE OF FLORIDA AT LARGE
MY COMMISSION EXPIRES NOV. 30 1979
BONDED THRU GENERAL INS. UNDERWRITERS

My commission expires: _____