NRC FORM 195 (2-76) U.S. NUCLEAR REGULATORY COMMISSION

DOCKET NUMBER 50-335

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TO: Mr Stello	FROM: Florida Pwr & Light Co Miami, Fla R E Uhrig	DATE OF DOCUMENT 10-29-76 DATE RECEIVED 11-4-76

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DESCRIPTION

Ltr trans the following:

PLANT NAME: St Lucie #1

ENCLOSURE

Request for Amdt to OL/Chagge to Tech Specs: Consisting of revisions with regard to the feedwater isolation function.....

(40 cys encl rec'd)

DO NOT REMOVE

ACKNOWLEDGED

SAFETY — FOR ACTION/INFORMATION — ENVIRO 11-4-76 ehf

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CONTROL NUMBER

11185

P. O. BOX 013100, MIAMI, FL 33101

FLORIDA POWER & LIGHT COMPANY

October 29, 1976
L-76-377

Director 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 & 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.

The proposed amendment is described below and is shown on the attached Technical Specification pages bearing the date of this letter in the lower right hand corner.

Pages 3/4 3-16 and 3-17

Table 3.3-5 (Engineered Safety Features Response Times), items 1.e and 6 are revised to include the feedwater isolation function. Also, item 8 is deleted.

The proposed amendment has been reviewed by the St. Lucie Plant Facility Review Group and the Florida Power & Light Company Nuclear Review Board. They have concluded that the proposal does not involve a significant hazards consideration and, therefore, does not require prenoticing pursuant to 10 CFR 2.105. A written safety evaluation is attached.

Very truly yours,

E. E. Adomat

for Robert E. Uhrig
Vice President

REU/MAS/cpc

Attachment

cc: Mr. Norman C. Moseley
Robert Lowenstein, Esquire

11185

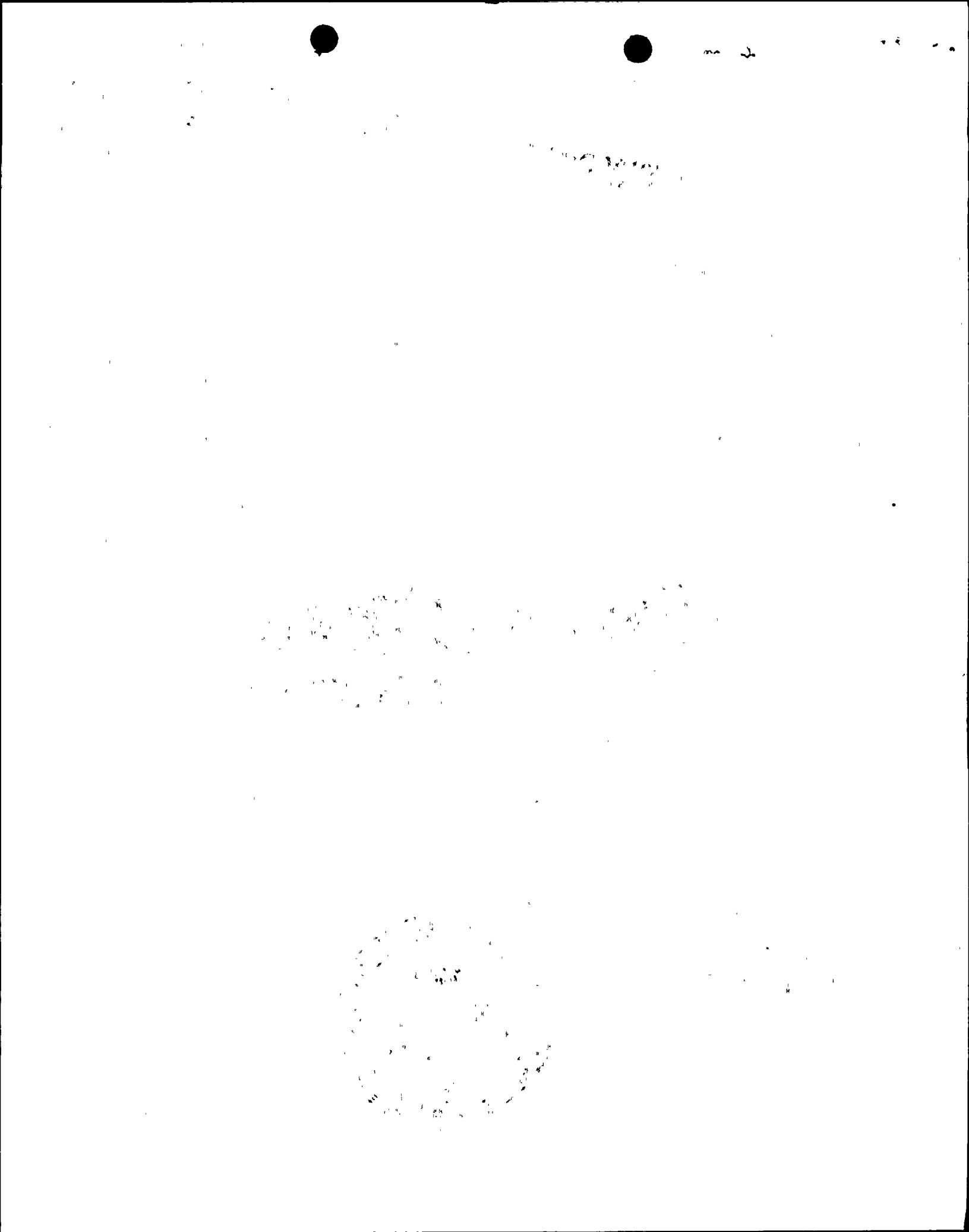

TABLE 3.3-5

ENGINEERED SAFETY FEATURES RESPONSE TIMES

INITIATING SIGNAL AND FUNCTION	RESPONSE TIME IN SECONDS
1. Manual	
a. SIAS	
Safety Injection (ECCS)	Not Applicable
Containment Fan Coolers	Not Applicable
Feedwater Isolation	Not Applicable
b. CSAS	
Containment Spray	Not Applicable
c. CIS	
Containment Isolation	Not Applicable
Shield Building Ventilation System	Not Applicable
d. RAS	
Containment Sump Recirculation	Not Applicable
e. MSIS	
Main Steam Isolation	Not Applicable
Feedwater Isolation	Not Applicable
2. Pressurizer Pressure-Low	
a. Safety Injection (ECCS)	$\leq$ 30.0*/19.5**
b. Containment Fan Coolers	$\leq$ 30.0*/17.0**
c. Feedwater Isolation	$\leq$ 60.0
3. Containment Pressure-High	
a. Safety Injection (ECCS)	$\leq$ 30.0*/19.5**
b. Containment Isolation	$\leq$ 30.5*/20.5**
c. Shield Building Ventilation System	$\leq$ 30.0*/14.0**
d. Containment Fan Coolers	$\leq$ 30.0*/17.0**
e. Feedwater Isolation	$\leq$ 60.0

TABLE 3.3-5 (Continued)

ENGINEERED SAFETY FEATURES RESPONSE TIMES

INITIATING SIGNAL AND FUNCTION	RESPONSE TIME IN SECONDS
4. Containment Pressure--High-High	
a. Containment Spray	$\leq$ 30.0*/18.5**
5. Containment Radiation-High	
a. Containment Isolation	$\leq$ 30.5*/20.5**
b. Shield Building Ventilation System	$\leq$ 30.0*/14.0**
6. Steam Generator Pressure-Low	
a. Main Steam Isolation	$\leq$6.9
b. Feedwater Isolation	$\leq$60.0
7. Refueling Water Storage Tank-Low	
a. Containment Sump Recirculation	$\leq$ 91.5

TABLE NOTATION

*Diesel generator starting and sequence loading delays included.

**Diesel generator starting and sequence loading delays not included. Offsite power available.

SAFETY EVALUATION

Introduction

This safety evaluation supports a proposed change to the St. Lucie Unit 1 Technical Specification Table 3.3-5 (Engineered Safety Features Response Times) such that items 1.e and 6 may be revised to include the feedwater isolation function, and item 8 may be deleted.

Discussion

As stated in Revision 57 (2/27/76) to the St. Lucie Unit 1 FSAR, normal feedwater flow to the steam generators is terminated in the event of a steam line break accident by having the Main Steam Isolation System (MSIS) logic provide for feedwater isolation on low steam generator pressure. It is therefore appropriate to add the feedwater isolation function to items 1.e and 6 of Table 3.3-5.

Since feedwater flow reduction to 5% has been replaced by feedwater isolation as a required safety feature, feedwater flow reduction is no longer necessary for any accident analysis and should not be included in the Technical Specifications. Also, feedwater flow reduction is generated by a non-safety related system (Feedwater Regulating System). Because of the above, item 8 of Table 3.3-5 should be deleted.

Conclusions

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)

E. A. Adomat, being first duly sworn, deposes and says:

That he is Executive 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.

E. A. Adomat

Subscribed and sworn to before me this 29th day of October, 1976

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: