

50-335

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FILE NUMBER

TO: Mr Stello

FROM: Florida Pwr & Light Co
Miami, Fla
R E Uhrig

DATE OF DOCUMENT

11-8-76

DATE RECEIVED 11-12-76

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DESCRIPTION

Ltr trans the following:

ENCLOSURE

Amdt to OL/Change to Tech Specs: Consisting
of revisions with regard to acceptance criteria
to verify operability of the automatic sequence
timers.....**DO NOT REMOVE**

PLANT NAME: St Lucie #1

ACKNOWLEDGED

SAFETY

FOR ACTION/INFORMATION

ENVIRO 11-15-76 ehf

ASSIGNED AD:

ASSIGNED AD:

BRANCH CHIEF:

BRANCH CHIEF:

PROJECT MANAGER:

PROJECT MANAGER:

LIC. ASST.:

LIC. ASST.:

INTERNAL DISTRIBUTION

REG FILE

SYSTEMS SAFETY

PLANT SYSTEMS

SITE SAFETY &

NRC PDR

HEINEMAN

TEDESCO

ENVIRO ANALYSIS

I & E (2)

SCHROEDER

BENAROYA

DENTON & MULLER

OELD

LAINAS

GOSSICK & STAFF

ENGINEERING

IPPOLITO

ENVIRO TECH.

MIPC

MACCARRY

KIRKWOOD

ERNST

CASE

KNIGHT

OPERATING REACTORS

BALLARD

HANAUER

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STELLO

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PROJECT MANAGEMENT

REACTOR SAFETY

OPERATING TECH.

SITE TECH.

BOYD

ROSS

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GAMMILL

P. COLLINS

NOVAK

SHAO

STEPP

HOUSTON

ROSZTOCZY

BAER

HULMAN

PETERSON

CHECK

BUTLER

SITE ANALYSIS

MELTZ

GRIMES

VOLLNER

HEITEMES

AT & I

BUNCH

SKOVHOLT

SALTZMAN

J. COLLINS

RUTBERG

KREGER

EXTERNAL DISTRIBUTION

CONTROL NUMBER

LPDR: Ft. Pierce, Fla

NAT LAB:

BROOKHAVEN NAT LAB

TIC:

REG. VIE

ULRIKSON (ORNL)

NSIC:

IA PDR

ASLB:

CONSULTANTS

ACRS 16 CYS HOLDING/SEN

AS CAT B

11-15-76

11550
9/2/76

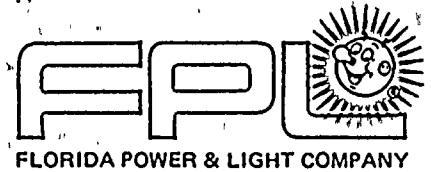
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-2-

REGULATORY COPY



November 8, 1976
L-76-386

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.

Page 3/4 8-4

Specification 4.8.1.1.2.c.6 is revised such that the acceptance criteria used to verify operability of the automatic sequence timers is changed from $\pm 10\%$ to ± 1 second.

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.

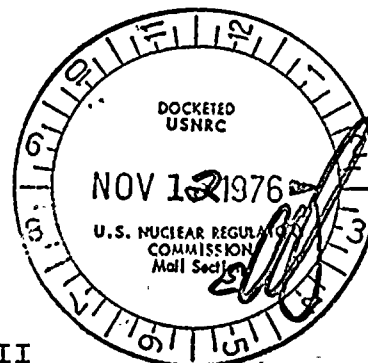
Very truly yours,

for *E. L. Schmat*
Robert E. Uhrig
Vice President

REU/MAS/cpc

Attachment

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



11550

ELECTRICAL POWER SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

the auto-connected emergency loads through the load sequencing system and operate for ≥ 5 minutes while the generator is loaded with the emergency loads.

- c) Verifying that on the safety injection actuation signal, all diesel generator trips, except engine overspeed and generator differential, are automatically bypassed.
- 4. Verifying the diesel generator set operates for ≥ 60 minutes while loaded to ≥ 3500 kw.
- 5. Verifying that the auto-connected loads to each diesel generator set do not exceed the 2000 hour rating of 3730 kw.
- 6. Verifying that the automatic sequence timers are OPERABLE with each load sequence time within ± 1 second of its required value.
- d. At least once per 18 months by verifying that each fuel transfer pump transfers fuel from each fuel storage tank to the engine mounted fuel tanks on each diesel via the installed cross connection lines.

4.8.1.1.3 The Class 1E underground cable system shall be demonstrated OPERABLE:

- a. Within 30 days after the movement of any loads in excess of 80% of the ground surface design basis load over the cable ducts by pulling a mandrel with a diameter of at least 80% of the duct's inside diameter through a duct exposed to the maximum loading (duct nearest the ground's surface) and verifying that the duct has not been damaged.
- b. At least once per 18 months, during shutdown, by:
 - 1. Selecting on a rotating basis at least 3 (one each in the ducts between the diesel generators and the switchgear, between the switchgear and the component cooling water pump motors, and between the switchgear and the intake cooling water pump motors) Class 1E 5000 volt underground cables and megger testing the selected cables at a minimum test

SAFETY EVALUATION

Introduction

This safety evaluation supports a proposed change to St. Lucie Unit 1 Technical Specification 4.8.1.1.2.c.6 such that the acceptance criteria used to verify the operability of the automatic sequence timers may be changed from +10% to +1 second.

Discussion

The current specification requires verification that automatic sequence timers are operable with each load sequence within +10% of its required value. However, in the cases where required values are less than 10 seconds, this means verification down to fractions of a second, and such verification is not assurable.

In addition, for values over 10 seconds the +10% specification allows load blocks to occur simultaneously or even in reverse sequence. For instance, with the +10% tolerance, the 15 second load group could occur as late as 16.5 seconds while the 18 second load group could occur as early as 16.2 seconds. This could reverse the two groups (which is undesirable) or allow two load groups, both within present specification tolerances, to be loaded onto a diesel generator simultaneously (which is unacceptable). It is proposed that the acceptance criteria be changed to + 1 second to provide a meaningful, repeatable surveillance which ensures proper separation of load groups.

The proposed amendment does not involve any physical change to the facility.

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)
)
COUNTY OF DADE) ss.

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
E. A. Adomat

Subscribed and sworn to before me this

8th day of November, 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

My commission expires: BONDED THRU GENERAL INS. UNDERWRITERS

