

Docket No. 50-335

SEP 6 1977

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Florida Power & Light Company
ATTN: Dr. Robert E. Uhrig
Vice President
Nuclear and General Engineering
Post Office Box 013100
Miami, Florida 33101

Gentlemen:

The Commission has issued the enclosed Amendment No. 16 to Facility License No. DPR-67 for the St. Lucie Plant Unit No. 1. The amendment consists of a one-time extension to the surveillance frequency for integrated safeguards testing in response to your application dated August 22, 1977, as supplemented by letter dated September 2, 1977.

The amendment extends certain surveillance intervals for less than one month to allow the testing to be performed during a scheduled reactor shutdown.

Copies of the related Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

Original signed by
M. Grotenhuis

Joe
Don K. Davis, Acting Chief
Operating Reactors Branch #2
Division of Operating Reactors

Enclosures:

- 1. Amendment No. 16 to License No. DPR-67
- 2. Safety Evaluation
- 3. Notice

cc w/enclosures:
See next page

9-6-77 4 PM
Advised FPL (DeWorthy)
By telecon of this
issuance
Ed Reeves

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| DATE | 9/6/77 | 9/6/77 | 9/6/77 | 9/6/77 | | |

FLORIDA POWER & LIGHT COMPANY

DOCKET NO. 50-335

ST. LUCIE PLANT UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No.
License No. DPR-67

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by the Florida Power & Light Company (the licensee) dated August 22, 1977, as supplemented by letter dated September 2, 1977, comply 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.
2. Accordingly, the license is hereby amended to add a new Section N to Enclosure 1 to the license as follows:

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"N. The end of the current surveillance period for the Surveillance Requirements listed below may be extended beyond the time limit specified by Technical Specification 4.0.2.a. In each case, the required surveillance shall be completed by the revised due date. Upon accomplishment of the surveillance, the provisions of Technical Specification 4.0.2.a shall apply.

- (i) Specifications 4.1.2.2.c.2
- 4.3.2.1.3 (actuation and cabinet response times)
- 4.5.1.d.2
- 4.5.2.e.2
- 4.5.2.e.3
- 4.6.2.1.b.2
- 4.6.2.1.b.3
- 4.6.3.1.2.a
- 4.6.6.1.d.3
- 4.6.6.1.d.5
- 4.7.3.1.b.2
- 4.7.4.1.b.2
- 4.7.7.1.e.2
- 4.7.8.1.d.3
- 4.8.1.1.2.c.2
- 4.8.1.1.2.c.3
- 4.8.1.1.2.c.4
- 4.8.1.1.2.c.5
- 4.8.1.1.2.c.6
- 4.8.1.1.2.d

(These tests are part of the Integrated Safeguards Test.)

Revised due date: October 3, 1977"

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Don K. Davis, Acting Chief
 Operating Reactors Branch #2
 Division of Operating Reactors

Attachment:
 Revised Enclosure 1 to

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| | License No. DPR-67 | | | | |
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 16 TO LICENSE NO. DPR-67

FLORIDA POWER & LIGHT COMPANY

ST. LUCIE PLANT UNIT NO. 1

DOCKET NO. 50-335

INTRODUCTION

By application dated August 22, 1977, as supplemented by letter dated September 2, 1977, Florida Power & Light Company (FPL) requested an amendment to the St. Lucie Plant Unit No. 1 license. The amendment would add a condition to Enclosure 1 to License DPR-67 to authorize a one-time extension for less than one month for the integrated safeguards system surveillance tests. The remaining requests for one-time extensions included in the FPL letter of August 22, 1977, are under review and will be the subject of subsequent action.

DISCUSSION AND EVALUATION

FPL by letter dated June 16, 1977, requested that the end of the first 18-month surveillance period be extended to the first scheduled refueling outage. By letter dated July 15, 1977, the NRC staff advised FPL that it could not approve this request and stated the reasons for the 18-month surveillance interval technical specifications. "While the 18-month interval was set with the nominal refueling outage in mind, the intent was not to allow extension of surveillance requirements for long refueling cycles or to require more frequent testing for short refueling cycles." Furthermore, the staff noted that if specific, one-time extensions to individual technical specification surveillance requirements are requested, a license amendment request with the basis to support safe operation for the extended time interval would be needed.

The proposed amendment contained in FPL's August 22, 1977 letter would allow a one-time extension for six categories of surveillance tests. By letter dated September 2, 1977, FPL advised NRC of their intention to perform the Integrated Safeguards Test (Item 6 of FPL's August 22, 1977 letter) during a shutdown beginning on September 26, 1977, instead of December 31, 1977, as noted in the August 22, 1977 FPL letter.

The Integrated Safeguards Test is a composite test which will include the surveillance requirements for the following Technical Specifications:

| | |
|-------------|---------------|
| 4.1.2.2.c.2 | 4.7.3.1.b.2 |
| 4.3.2.1.3* | 4.7.4.1.b.2 |
| 4.5.1.d.2 | 4.7.7.1.e.2 |
| 4.5.2.e.2 | 4.7.8.1.d.3 |
| 4.5.2.e.3 | 4.8.1.1.2.c.2 |
| 4.6.2.1.b.2 | 4.8.1.1.2.c.3 |
| 4.6.2.1.b.3 | 4.8.1.1.2.c.4 |
| 4.6.3.1.2.a | 4.8.1.1.2.c.5 |
| 4.6.6.1.d.3 | 4.8.1.1.2.c.6 |
| 4.6.6.1.d.5 | 4.8.1.1.2.d |

*Actuation and cabinet response times only

The surveillance requirements listed above would verify operability of system components (including pumps, fans, valves and emergency diesel generators) in an integrated manner. However, operability of these components has been conducted on a monthly basis since plant operation began in March 1976. There has been no significant problems reported during the monthly tests of the safety system components. Also, the Engineered Safety Features Activation Systems instrumentation loop calibration (an 18-month surveillance requirement) have been performed satisfactorily in October and November 1976.

Some of the surveillance tests listed above would verify integrated emergency diesel generator (DG) operability (including load sequencing, load shedding, operation at maximum loading and automatic initiation for loss of offsite power or safety injection). A loss of offsite power occurred at the St. Lucie Plant on May 16, 1977. The event resulted in DG system integrated operation similar to the surveillance requirements, although not as extensive or as lengthy. The integrated operation performance was satisfactory and indicated no problems with DG system performance. In addition, the initial preoperational test results for DG load sequencing was recently reviewed in detail by the NRC staff. Our analysis indicates that the DG operation is well within the limits specified in Regulatory Guide 1.9.

On the basis of the reasons noted above and because of the short extension time (less than one month) we consider the short extension to conduct these surveillance tests during a planned outage acceptable.

ENVIRONMENTAL CONSIDERATION

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of the amendment.

CONCLUSION

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment 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 the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date:

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50- 335

FLORIDA POWER & LIGHT COMPANY

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. to Facility Operating License No. DPR-67, issued to Florida Power & Light Company (the licensee), which revised Enclosure 1 of the license for operation of the St. Lucie Plant Unit No. 1 (the facility) located in St. Lucie County, Florida. The amendment is effective as of its date of issuance.

The amendment extends certain surveillance intervals for less than one month to allow testing to be performed during a scheduled reactor shutdown.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

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The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR s51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

For further details with respect to this action, see (1) the application for amendment dated August 22, 1977, as supplemented by letter dated September 2, 1977, (2) Amendment No. to License No. DPR-67, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C., and at the Indian River Junior College Library, 3209 Virginia Avenue, Ft. Pierce, Florida 33450. A single copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Operating Reactors.

Dated at Bethesda, Maryland, this

FOR THE NUCLEAR REGULATORY COMMISSION

Don K. Davis, Acting Chief
Operating Reactors Branch #2
Division of Operating Reactors

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