

May 25, 1999

Mr. T. F. Plunkett
President - Nuclear Division
Florida Power and Light Company
P.O. Box 14000
Juno Beach, Florida 33408-0420

SUBJECT: ST. LUCIE PLANT, UNITS 1 AND 2 - ISSUANCE OF AMENDMENTS
REGARDING FACILITY STAFF QUALIFICATIONS
(TAC NOS. MA4312 AND MA4313)

Dear Mr. Plunkett:

The Commission has issued the enclosed Amendment Nos. 161 and 102 to Facility Operating License Nos. DPR-67 and NPF-16 for the St. Lucie Plant, Unit Nos. 1 and 2, respectively. These amendments consist of changes to the Technical Specifications (TS) in response to Florida Power & Light's (FPL's) application dated December 16, 1998, regarding facility staff qualifications for multi-discipline supervisor (MDS) positions at Lucie Units 1 and 2. The amendments revise the administrative controls in TS Section 6.3, "Unit Staff Qualifications," by modifying the FPL's commitment to ANSI/ANS 3.1-1978, "Selection and Training of Nuclear Power Plant Personnel," to incorporate specific staff qualifications for the position of MDS.

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:

William C. Gleaves, Project Manager, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-335 and 50-389

Enclosures: 1. Amendment No. 161 to DPR-67
2. Amendment No. 102 to NPF-16
3. Safety Evaluation

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cc w/enclosures: See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

May 25, 1999

Mr. T. F. Plunkett
President - Nuclear Division
Florida Power and Light Company
P.O. Box 14000
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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,

A handwritten signature in black ink, appearing to read "Wm C Gleaves".

William C. Gleaves, Project Manager, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-335 and 50-389

Enclosures: 1. Amendment No. 161 to DPR-67
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3. Safety Evaluation

cc w/enclosures: See next page

Mr. T. F. Plunkett
Florida Power and Light Company

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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. 161
License No. DPR-67

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Florida Power & Light Company (the licensee), dated December 16, 1998, 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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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

FLORIDA POWER & LIGHT COMPANY

ORLANDO UTILITIES COMMISSION OF

THE CITY OF ORLANDO, FLORIDA

AND

FLORIDA MUNICIPAL POWER AGENCY

DOCKET NO. 50-389

ST. LUCIE PLANT UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 102
License No. NPF-16

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 December 16, 1998, 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.

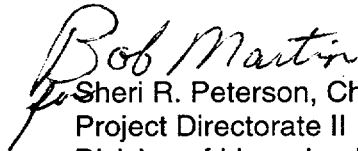
2. Accordingly, Facility Operating License No. DPR-67 is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and by amending paragraph 2.C.(2) to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. **161**, 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



Sheri R. Peterson, Chief, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: **May 25, 1999**

ATTACHMENT TO LICENSE AMENDMENT NO. 161

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 vertical lines indicating the area of change. The corresponding overleaf pages are also provided to maintain document completeness.

Remove Page

6-6

Insert Page

6-6

6.0 ADMINISTRATIVE CONTROLS

6.3 UNIT STAFF QUALIFICATIONS

6.3.1 Each member of the facility staff shall meet or exceed the minimum qualifications of ANSI / ANS-3.1-1978 for comparable positions, except for:

- (1) the Health Physics Supervisor who shall meet or exceed the qualifications of Regulatory Guide 1.8, September 1975,
- (2) the Shift Technical Advisor who shall have a bachelor degree or equivalent in a scientific or engineering discipline with specific training in plant design and plant operating characteristics, including transients and accidents, and
- (3) the Multi-Discipline Supervisors who shall meet or exceed the following requirements:
 - a. Education: Minimum of a high school diploma or equivalent.
 - b. Experience: Minimum of four years of related technical experience, which shall include three years power plant experience of which one year is at a nuclear power plant.
 - c. Training: Complete the Multi-Discipline Supervisor training program.

6.4 TRAINING

6.4.1 A retraining and replacement training program for the unit staff shall be maintained under the direction of the Training Manager and shall meet or exceed the requirements and recommendations of Section 5.5 of ANSI / ANS-3.1 – 1978 and 10 CFR Part 55 and the supplemental requirements specified in Sections A and C of Enclosure 1 of the March 28, 1980 NRC letter to all licensees, and shall include familiarization with relevant industry operational experience.

6.5 REVIEW AND AUDIT

6.5.1 FACILITY REVIEW GROUP (FRG)

FUNCTION

6.5.1.1 The Facility Review Group shall function to advise the Plant General Manager on all matters related to nuclear safety.

COMPOSITION

6.5.1.2 The FRG shall have voting members composed of individuals from each of the following disciplines:

| | |
|------------------------|-----------------------------|
| Operations | Electrical Maintenance |
| Reactor Engineering | Mechanical Maintenance |
| Health Physics | Technical Support |
| Chemistry | Quality Assurance / Control |
| Licensing | Services |
| Instrument and Control | |

The Plant General Manager shall appoint the FRG members, in writing, and from this membership shall designate, in writing, an FRG Chairman.

Members shall meet or exceed the qualifications required for Managers, Supervisors, or Professional-Technical, as appropriate, pursuant to Specification 6.3.1.

2. Accordingly, Facility Operating License No. NPF-16 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. 102, 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



Sheri R. Peterson, Chief, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: **May 25, 1999**

ATTACHMENT TO LICENSE AMENDMENT NO. 102

TO FACILITY OPERATING LICENSE NO. NPF-16

DOCKET NO. 50-389

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page. The revised page is identified by amendment number and contains vertical lines indicating the area of change. The corresponding overleaf pages are also provided to maintain document completeness.

Remove Page

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Insert Page

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6.2.3 SHIFT TECHNICAL ADVISOR

The Shift Technical Advisor function is to provide on shift advisory technical support in the areas of thermal hydraulics, reactor engineering, and plant analysis with regard to the safe operation of the unit.

6.3 UNIT STAFF QUALIFICATIONS

6.3.1 Each member of the facility staff shall meet or exceed the minimum qualifications of ANSI / ANS-3.1-1978 for comparable positions, except for:

- (1) the Health Physics Supervisor who shall meet or exceed the qualifications of Regulatory Guide 1.8, September 1975,
- (2) the Shift Technical Advisor who shall have a bachelor degree or equivalent in a scientific or engineering discipline with specific training in plant design and plant operating characteristics, including transients and accidents, and
- (3) the Multi-Discipline Supervisors who shall meet or exceed the following requirements:
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 - b. Experience: Minimum of four years of related technical experience, which shall include three years power plant experience of which one year is at a nuclear power plant.
 - c. Training: Complete the Multi-Discipline Supervisor training program.

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6.5.1.2 The FRG shall have voting members composed of individuals from each of the following disciplines:

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|------------------------|-----------------------------|
| Operations | Electrical Maintenance |
| Reactor Engineering | Mechanical Maintenance |
| Health Physics | Technical Support |
| Chemistry | Quality Assurance / Control |
| Licensing | Services |
| Instrument and Control | |

The Plant General Manager shall appoint the FRG members, in writing, and from this membership shall designate, in writing, an FRG Chairman.

Members shall meet or exceed the qualifications required for Managers, Supervisors, or Professional-Technical, as appropriate, pursuant to Specification 6.3.1.

ALTERNATES

6.5.1.3 All alternate members shall be appointed in writing by the FRG Chairman to serve on a temporary basis; however, no more than two alternates shall participate as voting members in FRG activities at any one time.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 161 TO FACILITY OPERATING LICENSE NO. DPR-67
AND AMENDMENT NO. 102 TO FACILITY OPERATING LICENSE NO. NPF-16

FLORIDA POWER AND LIGHT COMPANY, ET AL.

ST. LUCIE PLANT, UNIT NOS. 1 AND 2

DOCKET NOS. 50-335 AND 50-389

1.0 INTRODUCTION

On December 16, 1998, the Florida Power and Light Company (FPL) requested an amendment to Technical Specification (TS) 6.3, "Unit Staff Qualifications." The proposed amendment would modify the licensee's commitment to ANSI/ANS 3.1-1978, "Selection and Training of Nuclear Power Plant Personnel" by incorporating specific staff qualifications for the position of Multi-Discipline Supervisor (MDS).

2.0 BACKGROUND

The regulatory requirements for staff qualifications are defined currently in St. Lucie, Units 1 and 2, TS Section 6.3.1, "Unit Staff Qualification." TS 6.3.1 commits to ANSI/ANS-3.1-1978, with deviations for the qualification of the Health Physics Supervisor and the Shift Technical Advisor. FPL proposes to add a deviation to TS 6.3.1 for the position of MDS. The MDS is a position intended to supervise work teams consisting of electricians, mechanics, instrumentation and control specialists, radiation control technicians, and field operators, but is not defined in ANSI/ANS 3.1-1978. While the MDS position is not defined in the ANSI/ANS standard, it is considered to be equivalent to a supervisor not requiring a U.S. Nuclear Regulatory Commission (NRC) license. In accordance with Section 4.3.2 of ANSI/ANS-3.1-1978, supervisors not requiring an NRC license are required to have a high school diploma, or equivalent, and a minimum of 4 years of experience in the craft or discipline being supervised. Both the standard and the current TS assume supervisors provide oversight to work crews within a single discipline.

3.0 EVALUATION

In their December 16, 1998 submittal, the licensee proposed to incorporate MDS qualification requirements by detailing the education, experience, and training required for the position.

Enclosure

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The proposed TS amendment would require the MDS to have a high school diploma or equivalent. This minimum education requirement is consistent with the education required for a supervisor not requiring an NRC license under ANSI/ANS 3.1-1978, as endorsed by Regulatory Guide 1.8, Revision 2, and is acceptable.

FPL has proposed that an MDS have a minimum of 4 years of experience in one or more technical disciplines. FPL has stated that 4 years of experience in any technical discipline or disciplines provides sufficient fundamental technical knowledge to provide the proper supervisory oversight regardless of the discipline being supervised. The number of years of required experience is consistent with ANSI/ANS 3.1-1978 for a supervisor not requiring an NRC license. FPL will further require that 3 of the 4 years must be power plant experience, of which 1 year must be nuclear. FPL stated in a letter dated December 19, 1997, that craft workers must be job-task qualified to perform work independently. That qualification is based on training records containing written examinations and task performance evaluations. The FPL proposal to incorporate the requirements for the MDS stated that only qualified craft, as identified on the qualification list, will be assigned to work on multi-discipline work teams. The use of only qualified workers for multi-discipline teams reduces the technical oversight responsibilities of the MDS supervisor. However, a fundamental working knowledge of tasks being performed is gained in the MDS systems approach to training (SAT) program. The training concentrates on developing the skills and knowledge of an MDS to safely oversee tasks for multi-discipline work teams. The candidates obtain knowledge of work control processes since they need to have a perspective of both maintenance and plant operations, as well as an understanding of administrative procedures. The more specific experience requirements, which exceed those of ANSI/ANS 3.1-1978 and Regulatory Guide 1.8, Revision 2, and the use of only qualified workers on multi-discipline teams is considered equivalent to the 4 years of experience in the discipline being supervised that is required by ANSI/ANS 3.1-1978. Therefore, the experience requirements proposed for the MDS are acceptable.

The SAT is defined in Title 10 of the Code of Federal Regulations Part 55, Section 4 (10 CFR 55.4). 10 CFR 50.120 requires that training programs be established, implemented, and maintained using SAT. The SAT process does not prescribe the material to be included in the training program, but rather the process for the development of the job-specific training necessary to qualify personnel to operate and maintain the facility in a safe manner in all modes of operation. In its submittal, FPL stated that the SAT method was used to identify the knowledge and skills to be developed during the MDS training program. FPL further stated that the program objectives will be met through classroom and lab training, on-the-job mentoring and performance evaluation, and a final interview with maintenance management. Upon completion of the entire initial training program, the MDS will be required to attend continuing training to maintain knowledge of recent operating experience, industry events, procedure changes, and plant modifications. Qualifications for the MDS will be tracked using a qualification matrix to ensure only qualified supervisors are assigned to oversee multi-discipline tasks. The proposed training requirements are consistent with the requirements of the systems approach to training as defined in 10 CFR 55.4 and the training requirements for supervisors not requiring an NRC license as outlined in ANSI/ANS 3.1-1978 as endorsed by Regulatory Guide 1.8 Revision 2. Therefore, the training requirements for the MDS are acceptable.

4.0 STAFF CONCLUSION

The staff has reviewed the FPL proposed changes to the St. Lucie Technical Specification Section 6.3.1. The licensee's proposed qualification requirements for the education, experience, and training of the MDS are consistent with and meet the intent of the relevant review criteria. Therefore, the proposed modification to St. Lucie TS 6.3.1 is acceptable.

5.0 STATE CONSULTATION

By letter dated March 8, 1991, Mary E. Clark of the State of Florida, Department of Health and Rehabilitative Services, informed Deborah A. Miller, Licensing Assistant, U.S. NRC, that the State of Florida does not desire notification of issuance of license amendments. Thus, the State official had no comments.

6.0 ENVIRONMENTAL CONSIDERATION

These amendments relate to changes in record keeping or administrative procedures or requirements. The Commission has previously issued a proposed finding that the amendment involves no significant hazards consideration, and there has been no public comment on such finding (64 FR 6698, dated February 10, 1999). Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendments.

7.0 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: Mary Ann Ashley

Date: May 25, 1999