



February 15, 2001

L-2001-037  
10 CFR 50.90

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

RE: St. Lucie Units 1 and 2  
Docket Nos. 50-335 and 50-389  
Submittal of Revised Technical Specification Pages  
Dual Role Senior Reactor Operator/  
Shift Technical Advisor

By letter L-2000-188 dated November 28, 2000, Florida Power and Light Company (FPL) requested to amend Facility Operating Licenses DPR-67 for St. Lucie Unit 1 and NPF-16 for St. Lucie Unit 2 by changing Technical Specification Table 6.2.1, Minimum Shift Crew Composition with Two Separate Control Rooms and Technical Specification Section 6.3.1(2), Unit Staff Qualifications for the Shift Technical Advisor (STA). The proposed amendments would permit, as an alternative to the current dedicated STA, an STA qualified on-shift senior reactor operator (SRO) position to be combined with the required STA position.

On January 17, 2001 in letter L-2001-003, FPL submitted additional minor changes to the proposed amendments as a result of a telephone conversation among the NRC reviewer, NRC Project Manager, and FPL.

At the request of the NRC Project Manager on February 7, 2001, FPL is submitting the typed, revised Technical Specification pages for the proposed amendments with the NRC requested changes.

Attachment 1 contains the revised Unit 1 Technical Specification pages 6-4 and 6-6 and revised Unit 2 Technical Specification pages 6-5 and 6-6.

In accordance with 10 CFR 50.91, a copy of this letter is being provided to the state designee for the State of Florida.

A.001

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Please contact us if there are any questions about this submittal.

Very truly yours,

A handwritten signature in black ink, appearing to read "Rajiv S. Kundalkar". The signature is fluid and cursive, with the first name "Rajiv" being more prominent and stylized.

Rajiv S. Kundalkar  
Vice President  
St. Lucie Plant

RSK/GAC

Attachment

cc: Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, St. Lucie Plant  
Mr. W. A. Passetti, Florida Department of Health

**ATTACHMENT 1**

**REVISED TECHNICAL SPECIFICATION PAGES**

**Unit 1 Technical Specification Pages 6-4 and 6-6**

**Unit 2 Technical Specification Pages 6-5 and 6-6**

**TABLE 6.2-1**  
**MINIMUM SHIFT CREW COMPOSITION**  
**TWO UNITS WITH TWO SEPARATE CONTROL ROOMS**

WITH UNIT 2 IN MODE 5 OR 6 OR DEFUELED		
POSITION	NUMBER OF INDIVIDUALS REQUIRED TO FILL POSITION	
	MODE 1, 2, 3 or 4	MODE 5 or 6
SS (SRO)	1 <sup>a</sup>	1 <sup>a</sup>
SRO	1	None
RO	2	1
AO	2	2 <sup>b</sup>
STA *	1	None

  

WITH UNIT 2 IN MODE 1, 2, 3, or 4		
POSITION	NUMBER OF INDIVIDUALS REQUIRED TO FILL POSITION	
	MODE 1, 2, 3 or 4	MODE 5 or 6
SS (SRO)	1 <sup>a</sup>	1 <sup>a</sup>
SRO	1	None
RO	2	1
AO	2	1
STA *	1 <sup>c</sup>	None

- SS - Shift Supervisor with a Senior Reactor Operator's License on Unit 1  
SRO - Individual with a Senior Reactor Operator's License on Unit 1  
STA - Shift Technical Advisor  
RO - Individual with a Reactor Operator's License on Unit 1  
AO - Auxillary Operator

Except for the Shift Supervisor, the Shift Crew Composition may be one less than the minimum requirements of Table 6.2-1 for a period of time not to exceed 2 hours in order to accommodate unexpected absence of on-duty shift crew members provided immediate action is taken to restore the Shift Crew Composition to within the minimum requirements of Table 6.2-1. This provision does not permit any shift crew position to be unmanned upon shift change due to an oncoming shift crewman being late or absent.

During any absence of the Shift Supervisor from the Control Room while the unit is in MODE 1, 2, 3 or 4, an individual (other than the Shift Technical Advisor) with a valid SRO license shall be designated to assume the Control Room command function. During any absence of the Shift Supervisor from the Control Room while the unit is in MODE 5 or 6, an individual with a valid SRO or RO license shall be designated to assume the Control Room command function.

- a/ Individual may fill the same position on Unit 2.  
b/ One of the two required individuals may fill the same position on Unit 2.  
c/ If STA position is filled by an STA qualified Shift Supervisor or dedicated STA, then the individual may fill the same position on Unit 2.  
\* A single, onsite STA position shall be manned in Mode 1, 2, 3, and 4 unless the Shift Supervisor meets the qualifications for the STA as required by Technical Specification 6.3.1 or an individual on each unit with a Senior Reactor Operator's license meets the qualifications for the STA as required by Technical Specification 6.3.1.

## **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 specific training in plant design and plant operating characteristics, including transients and accidents, and any of the following educational requirements:
  - Bachelor's degree in engineering from an accredited institution; or
  - Professional Engineer's (PE) license obtained by successful completion of the PE examination; or
  - Bachelor's degree in engineering technology from an accredited institution, including course work in the physical, mathematical, or engineering sciences, or
  - Bachelor's degree in physical science from an accredited institution, including course work in the physical, mathematical, or engineering sciences.
- (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, a FRG Chairman.

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

**TABLE 6.2-1**  
**MINIMUM SHIFT CREW COMPOSITION**  
**TWO UNITS WITH TWO SEPARATE CONTROL ROOMS**

WITH UNIT 1 IN MODE 5 OR 6 OR DEFUELED		
POSITION	NUMBER OF INDIVIDUALS REQUIRED TO FILL POSITION	
	MODE 1, 2, 3, or 4	MODE 5 or 6
SS (SRO)	1 <sup>a</sup>	1 <sup>a</sup>
SRO	1	None
RO	2	1
AO	2	2 <sup>b</sup>
STA *	1	None

  

WITH UNIT 1 IN MODE 1, 2, 3 or 4		
POSITION	NUMBER OF INDIVIDUALS REQUIRED TO FILL POSITION	
	MODE 1, 2, 3, or 4	MODE 5 or 6
SS (SRO)	1 <sup>a</sup>	1 <sup>a</sup>
SRO	1	None
RO	2	1
AO	2	1
STA *	1 <sup>c</sup>	None

SS - Shift Supervisor with a Senior Reactor Operator's License on Unit 2  
SRO - Individual with a Senior Reactor Operator's License on Unit 2  
RO - Individual with a Reactor Operator's License on Unit 2  
AO - Auxiliary Operator  
STA - Shift Technical Advisor

Except for the Shift Supervisor, the Shift Crew Composition may be one less than the minimum requirements of Table 6.2-1 for a period of time not to exceed 2 hours in order to accommodate unexpected absence of on-duty shift crew members provided immediate action is taken to restore the Shift Crew Composition to within the minimum requirements of Table 6.2-1. This provision does not permit any shift crew position to be unmanned upon shift change due to an oncoming shift crewman being late or absent.

During any absence of the Shift Supervisor from the Control Room while the unit is in MODE 1, 2, 3 or 4, an individual (other than the Shift Technical Advisor) with a valid SRO license shall be designated to assume the Control Room command function. During any absence of the Shift Supervisor from the Control Room while the unit is in MODE 5 or 6, an individual with a valid SRO or RO license shall be designated to assume the Control Room command function.

- a/ Individual may fill the same position on Unit 1.
- b/ One of the two required individuals may fill the same position on Unit 1.
- c/ If STA position is filled by an STA qualified Shift Supervisor or dedicated STA, then the individual may fill the same position on Unit 1.
- \* A single, onsite STA position shall be manned in Mode 1, 2, 3, and 4 unless the Shift Supervisor meets the qualifications for the STA as required by Technical Specification 6.3.1 or an individual on each unit with a Senior Reactor Operator's license meets the qualifications for the STA as required by Technical Specification 6.3.1.

## **6.0 ADMINISTRATIVE CONTROLS**

### **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 specific training in plant design and plant operating characteristics, including transients and accidents, and any of the following educational requirements:
  - Bachelor's degree in engineering from an accredited institution; or
  - Professional Engineer's (PE) license obtained by successful completion of the PE examination; or
  - Bachelor's degree in engineering technology from an accredited institution, including course work in the physical, mathematical, or engineering sciences, or
  - Bachelor's degree in physical science from an accredited institution, including course work in the physical, mathematical, or engineering sciences.
- (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.