



UNITED STATES  
 NUCLEAR REGULATORY COMMISSION  
 REGION II  
 101 MARIETTA ST., N.W., SUITE 3100  
 ATLANTA, GEORGIA 30303

Report No.: 50-389/82-68

Licensee: Florida Power and Light Company  
 9250 West Flagler Street  
 Miami, FL 33101

Docket No.: 50-389

License No.: CPPR-144

Facility Name: St. Lucie 2

Inspection at St. Lucie site near Ft. Pierce, Florida

Inspector:	<u>K. D. Landis</u>	<u>1/5/83</u>
	K. D. Landis	Date Signed
	<u>K. M. Jenison for</u>	<u>1/5/83</u>
	K. M. Jenison	Date Signed
Approved by:	<u>C. A. Julian</u>	<u>1/5/83</u>
	C. A. Julian, Section Chief	Date Signed
	Division of Project and Resident Programs	

SUMMARY

Inspection on December 12-17, 1982

Areas Inspected

This routine inspection involved 70 inspector-hours on site in the area of preoperational test program implementation.

## DETAILS

### 1. Persons Contacted

#### Licensee Employees

\*P. Carrier, Power Plant Engineering-Licensing  
R. Jennings, Technical Supervisor

Other licensee employees contacted included technicians and operators.

#### Other Organizations

J. Orłowski, Licensing Consultant - Combustion Engineering  
G. Grace, Licensing Engineer - EBASCO

\*Attended exit interview

### 2. Exit Interview

The inspection scope and findings were summarized on December 17, 1982, with those persons indicated in paragraph 1 above. The licensee acknowledged the inspection findings.

### 3. Licensee Action on Previous Enforcement Matters

Not inspected.

### 4. Unresolved Items

Unresolved items were not identified during this inspection.

### 5. Preoperational Test Program Implementation (37301)

The inspectors verified that the as built condition of the safety injection system was consistent with the approved drawings identified in the Final Safety Analysis Report (FSAR), Revision 12. Several minor dissimilarities were noted at the completion of the system verification.

- a. Low pressure safety injection (LPSI) pump discharge relief valves V3667 and V3666 had switched identification tags.
- b. High pressure safety injection (HPSI) pump discharge drain valves V3684 and V3896 were missing manual handwheels.
- c. HPSI pump discharge vents V3391 and V3892 did not have quick disconnect hose connections as indicated on FSAR figure 6.2-1b.
- d. HPSI pump discharge differential pressure flow indication isolation valves V3534 and V3535 had switched identification tags.

## 6. Safety Evaluation Report (SER) Confirmatory Action Items

As requested by the September 27, 1982 letter from Darrell G. Eisenhut, Director, Division of Licensing, NRR to John Olshinski, Director, Division of Engineering and Technical Programs, Region II, the following verification of confirmatory items for St. Lucie 2 were conducted.

- a. (Closed) SER section 10.4.9.3 - Procedure for 2 independent operators to determine and verify auxiliary feed water system (AFWS) valves are properly aligned. The inspector reviewed St. Lucie Plant operating procedure (OP) 0010122, In-Plant Equipment Clearance Orders. This procedure has been changed from a St. Lucie 1 procedure to a St. Lucie Plant procedure and was revised to require independent verification of technical specification (TS) systems and components (AFWS included).
- b. (Closed) SER section 13.1.2.2(3) - Include Shift Technical Advisors (STA) in training programs wherein plant differences between Unit 1 and 2 are studied.

The inspector reviewed licensee training material and training attendance sheets. STA's have received training in the areas of reactor physics, reactor operations, transient and accident response and mitigation of core damage, in which the differences between Units 1 and 2 were studied.

- c. (Open) SER section 13.1.2.2(4) - Increase staff of engineers and technicians including the STA's to 12 prior to fuel loading.

At present, the staff of engineers and technicians, including STAs, numbers 11. An increase to a staffing level of 12 prior to fuel loading is projected.

- d. (Closed) SER section 13.5.1.1: c, d, e, f - Apply operating plant procedures and policies directly to Unit 2 for TMI items:

- I.A.1.2 Shift Supervisor Responsibilities
- I.A.1.3 Shift Manning
- I.C.2 Shift and Relief Turnover Procedures
- I.C.4 Control Room Access

The inspector reviewed administrative procedure (AP) 0010120, Revision 19, Duties and Responsibilities of Operators on Shift and AP 0010119, Revision 3, Overtime Limitations for Licensed Operators. These procedures apply the methods and policies used to accomplish the above TMI items at Unit 1 to both Units 1 and 2.

- e. (Open) SER section 13.5.1.1(b) - Establish a management training program for nuclear plant supervisors (NPS) in accordance with ANSI 3.1 (Draft), Section 5.2.1.8 to satisfy TMI, item I.C.3.

The licensee has numerous management training courses but as yet no program to insure all current and future NPS's receive this training. This item remains open pending program completion.

- f. (Closed) SER section 14 - Preoperational test procedures will be available for IE review 60 days prior to the expected performance of the test.

This item is closed based on numerous procedural reviews accomplished prior to the preoperational test.

- g. (Closed) SER section 15.10.6 - Train operators to take actions in the event of an anticipated transient without scram (ATWS).

The inspector reviewed emergency procedure (EP) 2-0030132, Revision 2, Anticipated Transient Without Scram, and verified it to be incorporated into the training program.

- h. SER section 22, TMI-2 Requirements.

(Closed) I.A.2.1 - Revise facility certification of completeness and fitness of applicants for operator (RO) and senior operator (SRO) license to require certification by the Vice President of Nuclear Engineering and Operations.

The inspector reviewed the application forms which are sent to USNRC Operator Licensing Branch when applying for or renewing an RO or SRO license. Each form required the approval signature of Mr. J. W. Williams, Vice President, Nuclear Energy.

(Closed) I.A.2.3 - Training Department staff shall:

- (1) Participate fully in the on-shift training portion of the requalification program.

The inspector reviewed AP 0005720, Revision 9, Licensed Operator Requalification Program, Section 8.2.4.1 which formalizes the above commitment.

Following review of requalification records, the inspector determined this commitment is being met.

- (2) Review and sign off applicable NRC Bulletins, Circulars, and Information Notices.

The above requirement is established and documented in AP 0005720, Section 8.2.4.2(1) and Figure 5 respectively. Following review of Figure 5 documentation, the inspector determined this requirement is being met.

(3) Review control room operating logs.

The above requirement is established and documented in AP 0005720, Section 2.2.4.2(2) and Figure 6 respectively. Following review of Figure 6 documentation, the inspector determined that this requirement is being met.