



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

Report No.: 50-335/78-23

Docket No.: 50-335

License No.: DPR-67

Licensee: Florida Power and Light Company
P. O. Box 013100
9250 West Flagler Street
Miami, Florida 33101

Facility Name: St. Lucie 1

Inspection at: St. Lucie Site

Inspection conducted: September 26-27, 1978

Inspectors: M. V. Sinkule
E. H. Webster

Accompanying Personnel: None

Approved by: R. C. Lewis
R. C. Lewis, Chief
Reactor Projects Section No. 2
Reactor Operations and Nuclear Support Branch

10/18/78
Date

Inspection Summary

Inspection on September 26-27, 1978 (Report No. 50-335/78-23)

Areas Inspected: Routine, announced inspection of licensee evaluation of environmental qualifications of electrical equipment inside containment, safety injection reset operation, licensee reported events, and followup of IE Circulars and bulletins. The inspection involved 28 inspector-hours by two NRC inspectors.

Results: Of the four areas inspected, no noncompliance items or deviations were identified.

781122005



DETAILS

Prepared by: D. J. Burke for
M. V. Sinkule, Reactor Inspector
Reactor Projects Section No. 2
Reactor Operations and Nuclear
Support Branch

10/18/78
Date

D. J. Burke for
E. H. Webster, Reactor Inspector
Reactor Projects Section No. 2
Reactor Operations and Nuclear
Support Branch

10/18/78
Date

Dates of Inspection: September 26-27, 1978

Reviewed by: R. C. Lewis
R. C. Lewis, Chief
Reactor Projects Section No. 2
Reactor Operations and Nuclear
Support Branch

10/18/78
Date

1. Persons Contacted

Florida Power and Light Company (FPL)

- *C. M. Wethy, Plant Manager
- G. M. Vaux, QC Supervisor
- *J. H. Barrow, Operations Superintendent
- *R. R. Jennings, Technical Supervisor
- *J. E. Bowers, Maintenance Superintendent
- *G. E. Crowell, FPL Engineer
- *C. A. Wells, Operations Supervisor
- *G. J. Boissy, Assistant Superintendent, Electrical Maintenance
- N. Roos, QC Engineer
- J. A. Lenz, I&C Engineer
- *J. J. Walls, QC Engineer
- *A. W. Bailey, QA Engineer
- B. Vincent, Electrical Engineer

*Denotes those present at the exit interview conducted on
September 27, 1978.

2. Licensee Action on Previous Inspection Findings

Licensee action on previous inspection findings was not reviewed
during this inspection.

3. New Unresolved Items

Unresolved items are matters about which more information is required in order to ascertain whether they are acceptable items, items of noncompliance, or deviations. An unresolved item disclosed during this inspection is discussed in Paragraph 7a.

4. Management Interview

A meeting was held with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on September 27, 1978. The inspectors summarized the scope and findings of the inspection.

5. Longitudinal Restraints on Ventilation Systems

On September 19, 1978, licensee management reported that longitudinal seismic restraints were found to be missing from the duct work of three safety-related ventilation systems. The inspectors were informed upon arrival on site that the restraints were approximately 60% installed at that time.

The inspectors reviewed the Facility Review Group (FRG) meeting minutes for September 20, 1978, which contained documentation of the safety evaluation performed to justify continued operation in view of the longitudinal restraints missing. The evaluation considered system operability, cooling requirements, consequences involved due to inoperability, and preliminary information from the Architect-Engineer (AE-Ebasco). Inspector observation of restraint installation on September 26 revealed installation to be progressing rapidly, with two of the three effected ventilation system duct restraints completed and the third just starting. Maintenance personnel questioned appeared knowledgeable of the work involved and effective in the installation procedure.

Subsequent communications with licensee management on September 29, 1978, reported that installation was 91% completed with a completion date of October 3, 1978, expected.

No noncompliance or deviations were identified.

6. Safety Injection Reset Operation

In accordance with a request from IE Headquarters, (TI2515/14), the inspectors reviewed the safety injection (SI) control systems

specifically for operation of the SI reset feature. The design of the SI reset function is such that resetting the SI will not remove the SI actuation signal from safety equipment nor will it realign any equipment control circuits. As a result, the inspectors found the requirement for further procedures for operator use of the SI reset to be not applicable. The inspectors had no further questions in this area.

7. IE Circulars

The inspectors reviewed the following three IE circulars to insure licensee review and followup of subject safety concerns:

a. IE Circular 78-08 - Environmental Qualifications of Electrical Components Inside Containment

The NRC issued IE Circular 78-08 to Florida Power and Light Company (FPL) on May 31, 1978, concerning the environmental qualifications of electrical equipment. The circular requested FPL review the subject reference material, compare the specific problems noted to their plant circumstances and take corrective action if appropriate.

The inspector reviewed the evaluation conducted by plant personnel. It indicated reviews were conducted to determine responses to specific IE Bulletins and that the other aspects of the environmental qualifications program are addressed in the Final Safety Analysis Report (FSAR) Section 3.11. It appeared to the inspector that all of the concerns expressed in the circular were not evaluated in the review. Licensee representatives stated that the references listed were not available to be reviewed prior to the inspection; therefore, the inspector provided the licensee representative with a copy of all references except "NUREG Report 0458." Subsequent to the inspection, FPL had determined that an additional review will be performed. FPL has committed to initiating a review of specific concerns that have not been addressed in the FSAR by October 15, 1978, and that a progress report would be available in 45 days. This item will remain unresolved pending completion of the review and followup by the inspector to determine whether the requirements of IEEE-323-1971 have been met. (78-23-01)

b. IE Circular 78-15 - Anchor Darling Tilting Disc Check Valves

The licensee utilizes five such valves at the St. Lucie plant, but all are mounted horizontally. The inspector had no further questions in this area.

c. IE Circular 78-16 - Limitorque Type SMB-0, 1, 2 and 3 Valve Actuators

The licensee reported four applications of this valve actuator. Followup action to preclude clutch wear failure includes proposed operating procedure changes and plastic warning signs to be placed on the effected valves. The inspector will review completion of this action in subsequent inspections (open item 78-23-02).

No items of noncompliance or deviations were identified.

8. IE Bulletin 78-10 - Bergen-Patterson Snubber Coil Spring Corrosion

The inspectors reviewed licensee documentation and toured the facility to verify the accuracy of information in FPL response L-78-273 dated August 18, 1978. The inspectors had no further questions in this area.

