



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

Report No. 50-389/81-14

Licensee: Florida Power and Light Company
P. O. Box 529100
Miami, FL 33152

Facility Name: St. Lucie 2

Docket No. 50-389

License No. CPPR-144

Inspection at St. Lucie site near Fort Pierce, Florida

Inspector: Albert B. Ruff 8-6-81
A. B. Ruff Date Signed

Approved by: T. E. Conlon 8-6-81
T. E. Conlon, Section Chief Date Signed
Technical Engineering Inspection Branch
Engineering and Technical Inspection Division

SUMMARY

Inspection on July 28-31, 1981

Areas Inspected

This routine, unannounced inspection involved 22 inspector-hours onsite in the areas of electrical components and systems work, work activities and quality records, electrical cables and terminations work, work activities, and quality records, licensee identified items, and licensee action on previous inspection findings.

Results

Of the areas inspected, no violations or deviations were identified.

REPORT DETAILS

1. Persons Contacted

Licensee Employees

- *B. Escue, Site Manager
- *W. Hayward, Supervisor, Quality Assurance
- *G. Rockwell, QA Engineer - Electrical
- *E. Sherman, QA Engineer
- *E. Tilley, Construction Test

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on July 31, 1981 with those persons indicated in paragraph 1 above.

3. Licensee Action on Previous Inspection Findings

- a. (Closed) Item 389/81-09-01, Failure to Follow the Procedures for Temporary Release of Nonconforming Items. FP&L letter of response dated July 15, 1981 has been reviewed and determined acceptable by IE:II. The inspector held discussions with licensee personnel and examined the corrective actions as stated in the letter of response. The inspector considers that FP&L had determined full extent of the subject violation; performed followup actions to correct the present condition and performed the necessary actions to preclude recurrences of similar circumstances. The corrective actions identified in the letter of response have been implemented.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Licensee Identified Items (LII)

The inspection reviewed the status of electrical associated LII with site personnel. The following identifies the status of those items that were reviewed.

- a. (Closed) Item 389/80-10-02 "Cracked Terminal Lugs on EPA Terminations." On 7-8-80, FP&L notified IE:II of a 50.55(e) item concerning cracked and broken electrical connections in two electrical penetration assemblies. The Construction Deficiency Report was submitted on

August 6, 1980. The report has been reviewed and determined to be acceptable by IE:II. The inspector held discussions with responsible licensee personnel, reviewed supporting documentation, and observed representative samples of work to verify that the corrective actions identified in the report have been completed.

- b. (Closed) Item 389/80-06-01 "Containment Fan Motor Controllers." On April 11, 1980, notified IE:II of a possible 50.55(e) item concerning containment fan cooler motor controllers that position relays. The Construction Deficiency Report was submitted on June 2, 1980. The report has been reviewed and determined to be acceptable by IE:II. The inspector held discussions with responsible licensee personnel, and reviewed supporting documentation, to verify that the corrective action identified in the report has been completed.

6. Electrical (Components and Systems II) - Observation of Work, Work Activities and Review of Quality Records

The inspector selected the following electrical equipment for an examination: Battery 2A, 125V DC Bus-2A, Class IE Inverter-2A, 125V DC Dist Panel-MA, LPSI pump motor 2B, CCW pump motor 2B, HPSI pump motor 2B, and Containment Spray pump motor 2B. This electrical equipment was examined to assure that the requirements of SAR and QAM were complied with in the areas of storage, receipt inspection, installation, and separation.

Within the areas examined, no violations or deviations were identified.

7. Electrical (Cables and Termiantions I and II) - Observation of Work, Work Activities, and Review of Quality Records.

The inspector selected the following safety - related electrical cables for an examination: 20252A-SB, 20290A-SB, 21009B-SA, 21009B-SA, 21001A-SA, 20220E-ASA and 20225F-SB. The cables were examined to insure that SAR and QAM were complied with in the areas of storage, handling, identification, receipt inspection, installation, location, routing, raceway supports, raceway identification and cable nondestructive examination.

Within the areas examined, there were no violations or deviations identified.