



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

Report No. 50-389/81-21

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

Facility Name: St. Lucie 2

Docket No. 50-389

License No. CPPR-144

Inspection at St. Lucie site near Fort Pierce, Florida

Inspector: *C. E. Murphy*
for A. B. Ruff

11/20/81
Date Signed

Approved by: *C. E. Murphy*
for T. E. Conlon, Section Chief
Engineering Inspection Branch
Engineering and Technical Inspection Division

11/20/81
Date Signed

SUMMARY

Inspection on November 2-6, 1981

Areas Inspected

This routine, unannounced inspection involved 29 inspector-hours on site in the areas of electrical cables and terminations quality assurance implementing procedures, electrical components and systems work, work activities and quality records review.

Results

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

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REPORT DETAILS

1. Persons Contacted

Licensee Employees

- *B. J. Escue, Site Manager
- *N. T. Weems, Superintendent Projects QA
- *R. W. Zaist, Project Superintendent
- *E. W. Sherman, QA Engineer
- *G. E. Rockwell, QA Engineer

NRC Resident Inspector

- *S. A. Elrod
- H. E. Bibb

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on November 6, 1981 with those persons indicated in paragraph 1 above.

3. Licensee Action on Previous Inspection Findings

Not inspected.

4. Unresolved Items

Unresolved items were not identified during this inspection.

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

The following electrical equipment was selected for an examination:

- | | | |
|-----------------------|---|--|
| Motor Operated Valves | - | V-3614, V-3624, V-3644, V-3658, V-3457, HCV-3647, FCV-3301, V-2514, I-MV-14-12 |
| Motors | - | Boric Acid Makeup Pump 2A and 2B, Containment Fan 2HVS1A, Charging Pump 2C |
| Electrical Panels | - | 125V DC Bus Panel 2AB, 125V DC PP238, 120 Volt AC Vital Instrument Bus MB. |

This electrical equipment was examined to assure that SAR and OAM requirements were complied with in the areas of storage, receipt inspection, installation, separation, protection after installation and calibration and/or trip setting (where applicable).

Licensee Nonconforming Reports 2265E, 2150R, 2116R, 2089E, 2072E, 2034R, 1959R, 1936R, 1840E, 1820R, 1801E and 1841E were reviewed to insure that they were legible, reviewed by QC personnel, readily retrievable and that correction was reasonable. All but two of the above NCR's were still in the process of being worked.

Within the area examined, no violation or deviations were identified.

6. Electrical (Cables and Terminations) - Review of Quality Assurance Implementing Procedure:

The following Site Quality procedures (SQP), which are for electrical cable activities, were reviewed for conformance to SAR commitments:

SQP - 5 Installation of Concrete Expansion Anchors

SQP - 7 Document Control

SQP - 17 Design Control

SQP - 22 Cable Termination

SQP - 41 Control of Calibrated Measuring and Testing Equipment

SQP - 54 Electrical Construction Testing

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

7. Licensee Identified Items

a. (Closed) Item 389/80-03-01, "Defects in Some Hydramotor Activators". On March 25, 1980, the licensee notified Region II of a 50.55(e) item concerning the above item. The final report was submitted on October 31, 1980. The report has been reviewed and determined to be acceptable by Region II. The inspector held discussions with responsible licensee representatives, and reviewed supporting documentation, to verify that the corrective actions identified in the report have been completed.

b. (Closed) Item 389/81-18-02, "RTGB Microswitch Housing Rotate When Switches are Operated." On June 24, 1981, the licensee notified Region II of a 50.55(e) item concerning the above item. The final report was submitted on August 24, 1981. The report has been reviewed and determined to be acceptable by Region II. The inspector held discussions with responsible licensee representatives, reviewed supporting documentation (NCR 1841E) and observed representative samples of work to verify that the corrective actions identified in the report have been completed.

8. IE Bulletins (IEB)

(Closed) IEB No. 80-09, "Hdromotor Actuators Deficiencies, Unit 2. The inspector has reviewed FP&L's letter of October 31, 1980, and determined that the requested actions of the bulletin have been acceptably addressed. The inspector held discussions with responsible licensee personnel, and

reviewed supporting documentation to verify that the actions identified in the letter of response have been completed. This item was also tracked and closed as 389/80-03-01, a licensee identified item.