



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

JUN 16 1981

Report No. 50-389/81-09

Licensee: Florida Power and Light Company
 92590 West Flagler Street
 Miami, FL 33101

Facility Name: St. Lucie 2

Docket No. 50-389

License No. CPPR-144

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

Inspector: *T. E. Conlon for* 6-10-81
 T. D Gibbons Date Signed

Approved by: *T. E. Conlon* 6-10-81
 T. E. Conlon, Section Chief Date Signed
 Engineering Inspection Branch
 Engineering and Technical Inspection Division

SUMMARY

Inspection on May 12-15, 1981

Areas Inspected

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

Results:

Of the three areas inspected, no violations or deviations were identified in two areas; one item of noncompliance was found in one area (Failure to follow the procedure for release of nonconforming items, paragraph 7).

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REPORT DETAILS

1. Persons Contacted

Licensee Employees

- *B. J. Escue, Site Manager
- *E. Sherman, QA Engineer
- *R. A. Symes, Senior QA Engineer
- *G. E. Rockwell, QA Engineer

Other Organizations

- *R. W. Zaist, Project Superintendent, EBASCO, Inc.

NRC Resident Inspector

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

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on May 15, 1981 with those persons indicated in paragraph 1 above. The violation was discussed in detail.

3. Licensee Action on Previous Inspection Findings

Not inspected.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Electrical (Cables and Terminations I and II) - Observation of Work and Work Activities

The inspector selected twelve power and twelve control cables for examination as follows: 21607C-SA, 20991C-SA, 20993F-SA, 20302B-MC, 20516F-SB, 21120A-SA, 20991B-SA, 20991A-SA, 20938A-SA, 20939A-SB, 220993A-SB, 20993B-SB, 20378R-MD, 21130A-SB, 211220A-SA, 21160C-SA, 2100IL-ASA, 2100aD-SA, 20655A-SA, 21121A-SA, 21131A-SB, 20523B-ASB, 20542D-SA, and 20656A-SB.

The cables were examined to assure that the requirements of the SAR and QAM were complied with in the areas of storage, handling, nonconformance control, use of specified material, material control, vendor certified test reports, mill certifications, drawing and procedure control, installation and QC procedures, size and type cable, location, routing, protection separation, grounding, raceway supports, raceway identification, cable pulling procedures, raceway identification, cable pulling procedures, raceway loading, terminations and installed cable tests.

Within the areas examined, there were no violations identified.

6. Electrical Cables and Terminations I and II - Review of Quality Records

The inspector selected the cables identified in paragraph 5 for an examination of Quality records. The records were examined to assure that the SAR and QAM requirements were complied with in the areas of receiving inspection, acceptance, vendor certified test reports, source inspection, mill certification, size and type of cable, location, routing, bend radius, grounding, raceway identification, cable pulling records, terminations raceway supports, cable tests and cable acceptance.

Within the areas examined there were no violations identified.

7. Electrical (Components and System I) - Observation of Work and Work Activities

The inspector selected Emergency Diesel Generators 2A and 2B, 5KV switchgear 2A3 and 2A4, 480 Volt Load Center 2AZ, and Motor control centers 2A5, 2A6 and 2A7. The equipment was examined to assure that the SAR, QAM and installation procedures were complied with in areas of receiving inspection, acceptance, storage, identification, handling, placements, protection, cleanliness, separation, location, anchoring, qualification of QC personnel and nonconformance control.

The inspector identified an apparent violation during the inspection of 5KV switchgear 2A3. A nonconformance (NCR 496E) was identified by the licensee on April 13, 1978 which related to switches on the potential transformers in five cabinets in three switchgear units. The licensee issued a Temporary Release of nonconforming material on March 2, 1979. The release was issued to allow storage in place with no work to be performed. The inspector noted that the panels were wired, energized and under the control of licensee startup. This item is identified as 389/81-09-01, Failure to follow the procedure for temporary release of nonconforming items. This appears to be an isolated case and the equipment has not been damaged. The licensee has taken corrective action to verify that there were no further violations in this area. The licensee has corrected the temporary release. The licensee stated that the replacement switches are due for delivery prior to final turnover to operations.