



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

Report No.: 50-389/83-03

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

Inspectors: Frank Jape 1/18/83
 for P. A. Taylor Date Signed

Frank Jape 1/18/83
 for H. Krug Date Signed

Approved by: Frank Jape 1/18/83
 F. Jape, Section Chief Date Signed
 Engineering Program Branch
 Division of Engineering and Operational Programs

SUMMARY

Inspection on January 3-6, 1983

Areas Inspected

This routine, unannounced inspection involved forty-six inspector-hours on site in the areas of procedure review (Integrated Test of Engineered Safety Features), preoperational test results evaluation, review of Safety Evaluation Report (NUREG-0843) confirmatory items, inspector followup items, and plant tour.

Results

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

REPORT DETAILS

1. Persons Contacted

Licensee Employees

- *G. Boissy, Startup Superintendent
- *R. Dawson, Lead Mechanical Engineer
- *W. Windecker, Planning and Scheduling Supervisor
- R. Jennings, Technical Supervisor
- R. Beecken, Mechanical Startup Engineer
- J. Martin, Mechanical Startup Engineer
- L. Rogers, Mechanical Startup Engineer

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on January 6, 1983, with those persons indicated in paragraph 1 above. The licensee acknowledged the inspection findings:

Inspector Followup Item, 389/83-03-01, Inspector comments on preoperational test 2-0400080, Integrated Test of Engineered Safety Features, paragraph 5.

3. Licensee Action on Previous Enforcement Matters

Not inspected.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Preoperational Test Procedure Review (70304B)

The inspector reviewed preoperational test procedure 2-0400080, Rev. 0, Integrated Test of Engineered Safety Features to verify that:

- The test procedure contained the requirements specified in FSAR Chapter 14.2, ESF test 14.2 12.1.3.G.
- The test procedure preparation was accomplished in accordance with Q5 PR/PSL-1, Preparation, Revision, Review/Approval of Procedures.
- The test procedure includes provisions for the testing of those ESF components which initiates emergency core cooling systems, containment cooling, isolation, ventilation and filtration systems.

- The test procedure includes provisions for the testing of the offsite power source, standby power sources including load shedding, sequential loading and electrical voltage and frequency stability.

Within the area inspected, no violations or deviations were identified. The inspector did note several discrepancies with the procedures and reviewed these with a licensee representative. The licensee indicated that the inspector comments would be considered during the present review of the procedure. The inspector identified this item as an inspector followup item (IFI 389/83-03-01).

6. Preoperational Test Data Evaluation (70320B, 70329B)

The inspector reviewed the results contained in the following completed pre-operational test procedures:

2-1010080, Rev. 1, Instrument Air System Preoperational and Functional Test.

2-1020080, Rev. 0, Station Air System Preoperational Test.

2-1010083, Rev. 0, Air Compressor Alternate Cooling System Initial Operation.

2-0120089, Rev. 0, Pressurizer Safety Valve Test, System Valve Numbers V1200, V1201, V1202.

2-0810082, Rev. 0, Main Steam Isolation Valve Test.

2-0120035, Rev. 0, Reactor Coolant Pump Motors - Initial Run.

2-0120082, Rev. 0, RCS Cooldown From 300°F.

2-0120095, Rev. 0, Narrow Range Instrumentation Calibration Check.

2-0760080, Rev. 1, Digital Data Processor Preoperational Functional Test.

2-0970081, Rev. 0, Vital AC System Initial Operation

The inspectors reviewed the results of the above completed tests to verify that:

- The test results met system design criteria as described in the applicable sections of the FSAR.
- Test steps, data sheets were initialed and dated as required.
- Revisions to procedures were listed in accordance with administrative controls.
- Deficiencies identified during the test were evaluated and corrective action identified as required.

- The licensee has evaluated the test results as required by administrative controls.

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

7. Safety Evaluation Report Confirmatory Items (92706B)

The inspector conducted a review of confirmatory items listed in the St. Lucie 2 Safety Evaluation Report (SER) NUREG-0843 and the supplements (SSER-1, SSER-2) thereto. These confirmatory items were identified in the September 27, 1982 letter from D. G. Eisenhut, Director, Division of Licensing, NRR to J. A. Olshinski, Director, Division of Engineering and Operational Programs, RII.

- a. (Closed) SER Section 5.2.2.2, (pg 5-3) Low temperature overpressure protection (LTOP)

The licensee has provided administrative controls concerning LTOP operation in Operating Procedure 2-0030127, Rev. 0, Reactor Plant Cooldown - Hot Standby to Cold Shutdown.

- b. (Closed) SER Section 10.4.9.3 (pg 10-22) Procedure for 2 independent operators to determine and verify auxiliary feedwater system valves are properly aligned.

The licensee has issued instruction in Operating Procedure 2-0700050, Rev. 0, which requires two persons to independently verify valve alignment.

- c. (Closed) SER Section 10.4.9.3 (pg 10-26) Perform a 48 hour endurance test on all auxiliary feedwater system pumps during pre-ops.
- d. (Closed) SER Section 10.4.9.3 (pg 10-26) Verify acceptability of 48 hour pump endurance test results.

The licensee issued preoperational test 2-070095, Auxiliary Feedwater System Endurance Test, which provides for running each individual pump a minimum of 48 hours while recording data on pump performance and pump room ambient temperature conditions. The inspectors observed portions of this test during hot functionals. The inspector reviewed the completed test results and found the data to be satisfactory.

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

8. Inspector Followup Items (92701B)

The following inspector followup items were reviewed with licensee management:

- a. (Closed) 389/82-69-01 Comments on preoperational test 2-0400080, Intergrated Test of Engineered Safety Features. The licensee has incorporated into the procedure the inspector's comments.

- b. (Closed) 389/82-69-02 Test data discrepancies on test 2-0700095, Auxiliary Feedwater System Endurance Test. The licensee has re-examine the test summary and data sheets and clarified the start and stop times for the auxiliary feedwater pumps to ensure that a minimum operating time of 48 hours had been recorded for each pump. The corrections concerning this data was approved by the Preoperational Test Review Group in minutes 82-118 dated December 20, 1982.

9. Plant Tour (71302)

The inspector toured the control room, reactor auxiliary building, containment building and the diesel generator building to observe work activities in progress, housekeeping, and tag controls on equipment.

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