



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

Report No. 50-302/80-03

Licensee: Florida Power Corporation
3201 34th Street, South
St. Petersburg, Florida 33733

Facility: Crystal River

Docket No. 50-302

License No. DPR-72

Inspection at Crystal River Site near Crystal River, Florida

Inspector: J. A. Dyer
J. A. Dyer

2/25/80
Date Signed

Approved by: R. D. Martin
R. D. Martin, Section Chief, RONS Branch

2/28/80
Date Signed

SUMMARY

Inspection on February 5-8, 1980

Areas Inspected

This routine, unannounced inspection involved 21 inspector hours on site in the areas of plant operations and review of previously identified inspector items.

Results

Of the two areas inspected, no items of noncompliance or deviations were identified.

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DETAILS

1. Persons Contacted

Licensee Employees

D. C. Poole, Plant Manager
*J. C. Cooper, QA/QC Manager
*R. W. Kennedy, Compliance Supervisor
*J. L. Bufe, Compliance Auditor
W. E. Kemper, Technical Specifications Engineer

Other licensee employees contacted included control room operating personnel.

NRC Resident Inspector

*B. W. Smith

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on February 8, 1980 with those persons indicated in Paragraph 1 above. The inspector discussed a problem, identified by the licensee, with a containment spray check valve BSV-27 located inside the reactor containment not seating. The licensee committed to inform the operators and issue or revise procedures to insure that if the containment spray system was actuated and the "B" pump failed to start that valve BSV-3 would be closed and power removed from the valve. (This would insure that containment integrity would be maintained.) The inspector stated that this problem had been discussed with IE regional and headquarters management personnel and that since the elevations of the borated water storage tank (BWST) and the spray line containment penetration were such that a continuous water seal was maintained upstream of BSV-3 that he had no further questions at this time. The inspector also stated the particular containment isolation valve arrangement for the spray system at Crystal River was similar to that at other facilities and would be pursued by the NRC on a generic basis.

3. Licensee Action on Previous Inspection Findings

Not inspected.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Containment Isolation Valves

The inspector noted during review of control room logs that a check valve in the containment spray system (BSV-27), identified in Technical Specification Table 3.6-1 as a containment isolation valve, was leaking. The licensee had entered into the action statement required by the technical specifications. The technical review group evaluated the problem and concluded that plant operation could continue based on the following:

- a. The valve is not subject to Type C leakage test as stated in Technical Specification Table 3.6-1.
- b. There is flow through the line during an accident when the spray system is actuated.
- c. The pump and valve program required by ASME Code Section XI requires that the valve be disassembled for inspection every 40 months.
- d. Containment integrity was still maintained by valve BSV-3 being closed even though power was not removed from the valve.
- e. A continuous water seal is maintained upstream of BSV-3 due to the difference in elevations between the BWST and the spray line containment penetration.

The licensee's evaluation was discussed with IE regional and headquarters management personnel. It was concluded that operation could continue provided the licensee takes action to close BSV-3 and remove power to the operator in the event that the containment spray system was actuated and the "B" pump failed to start (Refer to paragraph 2 for additional details). No items of noncompliance or deviations were identified.

6. Plant Operations

The inspector kept informed on a daily basis of the overall plant status. Plant operations were reviewed to ascertain conformance with regulatory requirements and technical specifications. This included review of shift supervisor and control operator logs, observing portions of control room activities, and touring the facility. No items of noncompliance or deviations were identified.

7. Previously Identified Inspector Items

- a. Open (302/79-53-01). This item pertained to a potential problem with the emergency diesel generator radiator cooling fan blade pitch. The pitch on the "B" diesel fan blade has been checked. The "A" diesel fan blade pitch is scheduled to be checked the week beginning February 11. The licensee is working with the diesel vendor (Colt Industries) on the final resolution of the problem.

- b. Closed (302/80-03-02). This item pertained to a potential problem with solenoid valves on containment purge valves supplied by the Henry Pratt Company. The valves identified at Crystal River are located outside of the reactor building and therefore, are qualified for the environmental conditions specified in the Henry Pratt letter dated August 20, 1979.

No items of noncompliance or deviations were identified.