



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

Report No.: 50-348/78-22

Docket No.: 50-348

License No.: NPF-2

Licensesee: Alabama Power Company
P. O. Box 2631
Birmingham, Alabama 35291

Facility Name: Farley Unit 1

Inspection at: Farley Site, Ashford, Alabama

Inspection conducted: August 21-25, 1978

Inspector: A. K. Hardin

Approved by:

R. C. Lewis

R. C. Lewis, Chief

Reactor Projects Section No. 2

Reactor Operations and Nuclear Support Branch

9/29/78
Date

Inspection Summary

Inspection on August 21-25, 1978 (Report No. 50-348/78-22)

Areas Inspected: Routine, unannounced inspection of licensee event reports, IE Circulars, plant operation, and open items. The inspection involved 30 inspector-hours by one NRC inspector.

Results: Of the four areas inspected, no items of noncompliance or deviations were identified.

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DETAILS I

Prepared by:

A. K. Hardin
 A. K. Hardin, Reactor Inspector
 Reactor Projects Section No. 2
 Reactor Operations and Nuclear
 Support Branch

9/29/78
 Date

Dates of Inspection: August 21-25, 1978

Reviewed by:

R. C. Lewis
 R. C. Lewis, Chief
 Reactor Projects Section No. 2
 Reactor Operations and Nuclear
 Support Branch

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1. Persons Contacted

- *W. G. Hairston, Plant Manager
- *J. D. Woodard, Assistant Plant Manager
- *W. B. Shipman, Maintenance Superintendent
- *D. C. Poole, Operations Superintendent
- *K. W. McCracken, Technical Superintendent
- *F. Wurster, Operations Quality Assurance
- *J. W. Kale, Jr., Operations Quality Assurance
- J. E. Garlington, Operations Supervisor
- L. S. Williams, Training Supervisor
- L. W. Enfinger, Document Control Supervisor
- D. L. Cox, Operations Quality Assurance
- T. C. Grozan, Plant Engineer

2. Licensee Action on Previous Inspection Findings

Not inspected.

3. Unresolved Items

Unresolved items are matters about which more information is required in order to ascertain whether they are acceptable items, items of noncompliance or deviations. One unresolved item disclosed during the inspection is discussed in paragraph 7.

4. Management Interview

The inspector met with Mr. W. G. Hairston, Plant Manager, and other members of the plant staff (denoted by an asterisk in paragraph 1) at the conclusion of the inspection on August 25, 1978. The scope and findings of the inspection were discussed. The licensee was informed that failure to record certain data from control room instrumentation would be left unresolved pending further review by the inspector. The licensee stated their position was that the data in question (see paragraph 7) was not required to be recorded.

5. IE Circular 78-15 - "Tilting Disk Check Valves Fail To Close with Gravity in Vertical Position"

On July 20, the NRC informed the licensee of a potential failure of a check valve installed in a vertical position. The valve was manufactured by Anchor/Darling. Through correspondence with Anchor/Darling Valve Company, the licensee determined they had been supplied with 2-4", 150 # Tilt Disc Check Valves identified by APGo Tag Nos. Q1V43V001 and Q2V43V001. On July 12, Bechtel Power Corporation in a letter to Anchor/Darling stated the valves had not been installed in any piping system and had been retagged as spares and stored at the Farley site. On July 17, 1978, the Farley Unit 1 plant manager informed the Assistant Manager Nuclear Generation, by letter, that the Anchor/Darling Tilt Disc Check Valves had been located at the site in a Daniels warehouse labeled as spares. The licensee stated the valves have been tagged to prevent their installation in a safety-related system. The storage and tagging of these valves will be verified on a subsequent inspection. (78-22-01)

6. Licensee Event Reports (LERs)

Eight 30 day LERs, Nos. 44 through 51 inclusive were reviewed at the site. These were:

- LER No. 44 - "Erratic Readings on Post Accident Hydrogen Analyzer 1B"
- LER No. 45 - "Failure of Particulate and Gaseous Radioactivity Monitoring System, R-11 and R-12."
- LER No. 46 - "Control Room Packaged A/C Unit 1B Inoperable"
- LER No. 47 - "Tailure of Rod Control Bank A to Move on Demand"
- LER No. 48 - "Tavg Increase to 585F During Load Reduction"
- LER No. 49 - "Tavg Decrease to 532F While Putting Generator On Line"
- LER No. 50 - "ESS Sequencer B1F Failed to Energize"
- LER No. 51 - "Boric Acid Tank Supply Valves to Boric Acid Transfer Pumps Found Close"

For Nos. 44, 48, and 51 of the above listed reports, the inspector determined the licensee had met reporting requirements, that corrective action had been taken or was planned, and that the actions taken were commensurate with the significance of the event. For the remainder of the event reports, in addition to in office review to ascertain adequacy

of the reports, the inspector reviewed details of the events at the site to determine that no significant safety problem exists. No items of noncompliance or deviations were identified.

-7. Plant Operations Review

Certain aspects of plant operation were inspected as reported in the following paragraphs.

a. Logbooks

The following logbooks and log sheets were reviewed.

- 1) Reactor Operators Log, July 17 - August 7, pages 1237 to 1304.
- 2) Shift Foremans Log, July 17 - August 7, pages 1204 to 1270.
- 3) Control Room Log Sheet, July 1 - July 16.
- 4) Auxiliary Building Log Sheets, July 17 to August 7, 1978.
- 5) Out Building Log Sheet, July 17 - August 7, 1978.
- 6) Rad Waste System Log Sheets, July 17 - August 7, 1978.

These log sheets were reviewed to determine that appropriate entries were being made and that as-recorded valves were within the maximum and minimum values allowable for the process variable. No items of noncompliance with regulatory requirements were observed.

b. Observation of Operation

1) Annunciator System

A partial review of annunciator signals in the alarm mode was conducted. Several of the annunciators were discussed with operating personnel to ascertain that operators were knowledgeable of the reason for the annunciator alarm. Although no items of noncompliance were observed, there appeared to be little progress made to eliminate annunciator alarm lights.

The licensee stated that during a planned extended outage in September they expected to correct many of the problems causing annunciators to be in the alarm mode.

2) Plant Staffing

Control room manning was observed during various shifts and verified to conform to regulatory requirements.

3) Monitoring Instrumentation

During the inspection period covered by this report, the inspector observed three control room instruments, which normally record process data, without chart paper; therefore, no data was being recorded. The instruments without charts were the upper chambers on one pair of Power Range detectors, the lower chamber on the other set of Power Range detectors, and the Radiation Monitoring System No. 1. The licensee stated that they had run out of charts even though the charts had been ordered several months ago. This item will be left as unresolved pending further review by the inspector. (78-22-02)

Potential Safety Problems With SI Reset Feature

The inspector discussed with licensee representatives the potential for interfering with automatic start signals from a loss of offsite power (LOSP) or a Loss of Coolant Accident (LOCA) or steam line break after the SIS has been reset. The purpose of the review was to determine if adequate procedures had been prepared and issued to assure that a real SI following a spurious SI or a LOSP subsequent to a real or spurious LOCA or Steam Line Break would automatically stop or start pumps and open or close valves as required by design.

The licensee requested additional time to review their procedures to determine what precautionary measures, if any, should be added to their procedures to assure proper operator action in the above events. This item will remain open pending a review during the next inspection. (78-22-03)