



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION II
101 MARIETTA ST., N.W., SUITE 3100
ATLANTA, GEORGIA 30303

Report No. 50-364/80-32

Licensee: Alabama Power Company
600 North 18th Street
Birmingham, AL 35202

Facility Name: Farley 2

Docket No. 50-364

License No. CPPR-86

Inspection at Farley site near Dothan, AL

Inspector: *D R Quick for*
H. L. Whitener

9-30-80
Date Signed

Approved by: *D R Quick*
D. R. Quick

9-30-80
Date Signed

SUMMARY

Inspection on August 20-22, 1980

Areas Inspected

This routine, announced inspection involved 18 inspector-hours on site in the areas of followup inspection of outstanding items.

Results

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

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DETAILS

1. Persons Contacted

Licensee Employees

- *W. G. Hairston, Plant Manager
- *D. E. Mansfield, Startup Superintendent
- *N. F. Kaup, Construction Project Engineer
- *J. Bozeman, Construction Supervisor
- L. Ward, Startup Supervisor

Other Organizations

Bechtel

- *D. D. Chamberlain, Startup Engineer
- *R. L. Rowley, Startup Engineer

NRC Resident Inspector

- *J. Mulkey, Resident Inspector

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on August 22, 1980 with those persons indicated in Paragraph 1 above. The status of outstanding items from IE Reports 50-364/80-06 and 50-364/80-10 were discussed (See paragraph 5 for details).

3. Licensee Action on Previous Inspection Findings

Not inspected.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Followup Inspection of Outstanding Items

The inspector reviewed the outstanding items identified in IE Reports 50-364/80-06 and 50-364/80-10 to determine if the status of these items effect the issuance of an operating license. The current status of these items are detailed below:

- a. (Closed) Inspector Followup Item (364/80-06-01) concerned the licensee's commitment to correct five problems identified during procedure review the status of these items are as follows:

- (1) Inspection of pressurizer surge line was included in the thermal expansion test and is considered resolved.
- (2) All areas shimmed subsequent to the hot condition (547 degrees Fahrenheit) and any supports or restraints adjusted or modified during or subsequent to the hot functional test will be reinspected during the next system heatup. The licensee has identified this reinspection as a requirement in the phase III test program prior to power ascension. This matter is considered resolved.
- (3) The operating stroke for snubbers was verified during the hot functional test and recorded on data sheets of procedure 300-3-003, "Snubber and Spring Hanger Verification Test Procedure." These data sheets are an integral part of the hot functional test procedure and require review and approval of the corrective action taken to resolve identified problems. This matter is considered resolved.
- (4) The licensee performed a formal vibration test program during hot functional testing on the reactor coolant, power conversion and emergency core cooling systems. Safety related piping not in the scope of the pipe stress verification program described above were specifically observed by system engineers for abnormal vibrations during flushing and operation of each system. A report is filed for corrective action where abnormal vibration is identified. At the inspectors request the licensee documented the systems in which vibration problems were identified in a memorandum from D. E. Mansfield to File.

This memorandum further specified that no vibration was observed in the safety injection system lines. The inspector concluded that the Licensee has implemented a program for identification of abnormal piping vibration for systems not included in the formal pipe stress verification program. The inspector has no further questions in this area at this time.

- (5) In that the evaluation of thermal expansion data by the piping designers was in progress at the time of this inspection, the test results were not available for review. However, since the evaluation is in progress the inspector considers that the licensee has met the commitment to have the thermal expansion data evaluated by the appropriate designer groups.

The inspector concluded that item (364/80-06-01) is resolved and does not effect the issuance of an operating license. NRC review of the thermal expansion and vibration test results will be performed during a later inspection. For the purpose of tracking, review of the test results is identified for followup inspection as (364/80-32-01).

- b. (Open) Inspection Followup Item (364/80-06-02) concerned the use of fully threaded bolts as support pins and a lack of spacers on support pins for the constant load spring hangers in the pressurizer cubicle. The inspector found that a construction work request (CWR 2-64.83) had been written to verify the proper installation of hanger supports in the pressurizer area. This work had not yet been accomplished. The Grinnell design figure showed that the support pin should be threaded only on the end extending through the support bracket. The licensee stated that the hanger supports around the pressurizer would be corrected by CWR 2-64.83 and that similar problems if present in the rest of the plant would be identified and corrected through the IEB 79-14 hanger inspection program. The inspector concluded that although this item remains open, it does not effect the issuance of an operating license. However, the item must be resolved prior to the system heatup for power ascension.
- c. (Closed) Inspector Followup Item (364/80-06-03) concerned corrective action for hydraulic snubber leakage which was observed in a large sample of snubbers. The licensee is in the process of performing an inspection and functional test of all hydraulic snubbers and a manual check of mechanical snubbers. After review of a sample of data sheets (procedure 300-3-003) and test results, the inspector has no further questions on this matter.
- d. (Closed) Inspector Followup Item (364/80-06-04) concerned apparent discrepancies in certain snubbers which were observed during a plant tour. Of four items, measurement and observation during system heat up resolved two items, anchor bolt inspection under the IEB 79-02 program resolved a third item and CWR 2-49.35 has been issued to correct the fourth item. The inspector concluded that the licensee has implemented an inspection and test program to identify and correct snubber deficiencies and has no further questions on this matter.
- e. (Closed) Inspector Followup Item (364/80-10-01) concerned errors made in plotting expansion data. The plots were a tool to aid stress engineers in anticipating system expansion problems during heat up. The true reference for system evaluation was the recorded expansion data which is being used in the final systems stress evaluations by the designer. The licensee stated that the plots must be correct prior to the Joint Test Group approval of final test results. The inspector concluded that this is adequate assurance that the plots, when filed as part of the base line, data, will be correct.
- f. (Closed) Inspector Followup Item (364/80-10-02) concerned the use of the auxiliary feedwater system with missing hangers. The system evaluation by a stress engineer indicated no structural damage resulted from this usage.