



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

Report No. 50-364/80-28

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

Facility Name: Farley Nuclear Plant Unit 2

Docket No. 50-364

License No. CPPR-86

Inspection at Farley Nuclear Plant near Ashford, Alabama

Inspector: G.L. Troup *[Signature]*

8/17/80
Date Signed

Approved by: A. F. Gibson *[Signature]*
 A. F. Gibson, Section Chief, FF&MS Branch

8/19/80
Date Signed

SUMMARY

Inspection on August 4-5, 1980

Areas Inspected

This routine, unannounced inspection involved 10 inspector-hours on site in the area of preoperational testing, health physics and chemistry procedures and startup testing procedures.

Results:

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

DETAILS

1. Persons Contacted

Licensee Employees

- *W. G. Hairston, III, Plant Manager
- *K. W. McCracken, Technical Services Superintendent
- *R. M. Coleman, Engineering Supervisor
- *C. D. Nesbitt, Chemistry and HP Supervisor
- *L. A. Ward, Startup Supervisor
- *K. S. Burr, Startup Supervisor
- M. W. Mitchell, Health Physics Sector Supervisor
- J. M. Walden, Waste and Effluent Sector Supervisor
- W. G. Gripentog, Chemistry & HP Foreman
- *J. W. Kale, Jr., QA Engineer

Other Organizations

J. N. Charlton, Lead Startup Engineer, Westinghouse

NRC Resident Inspectors

- *J. P. Mulkey
- W. H. Bradford

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on August 5, 1980 with those persons indicated in paragraph 1 above. With regard to the status of preoperational testing, the plant manager stated that the status of each radwaste test procedure would be reviewed within the next two weeks and a required sequence of completion would be developed. The inspector's comments regarding the need for timely completion of the Unit 2 procedures were acknowledged by the plant manager.

3. Licensee Action on Previous Inspection Findings

Not inspected.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Preoperational Testing Program

- a. Section 14.1 of the FSAR describes the testing program, including development of the preoperational test program per Regulatory Guide 1.68, and the review and approval requirements. FSAR Section 14.1.3 lists the preoperational tests and synopses of the objectives, prerequisites, tests methods, and acceptance criteria.

b. The inspector discussed the status of the procedures and the testing for the liquid and gaseous radioactive waste systems and the radiation monitoring systems with licensee representatives. The inspector noted that the procedures for the testing of the gaseous waste system (079-5-005) had not been approved and that the majority of the tests reviewed had not started due to additional flushing being performed or the need to complete other prerequisites. The inspector stated that the status of testing and the completed test procedures would be reviewed during subsequent inspections.

6. Chemistry and Health Physics Procedures

The inspector discussed the status of chemistry and health physics procedures for Unit 2 with the cognizant licensee representatives. The various sector supervisors have identified approximately 25 procedures which must be written or revised for Unit 2 operations. A licensee representative stated that, in several instances, the Unit 2 procedures could be adapted from the existing Unit 1 procedures but were not approved yet. The inspector stated that the procedures will be reviewed during subsequent inspections.

7. Power Ascension Test Procedures

FSAR Table 14.1-1 lists the startup tests to be performed at various power levels. Included in these tests are radiation surveys (shield survey) and chemical and radiochemical tests. Tests procedure numbers 500-7-050, Radiation Measurements at Steady State Conditions During Power Escalation, and 500-7-542, Chemical-Radiochemical Analysis, apply to these tests. The inspector discussed the status of these procedures with licensee representatives and was informed that the procedures previously approved and utilized for the Unit 1 startup would be revised for Unit 2; however, the revision has not been completed and the procedures are not approved yet. The inspector stated that the procedures would be reviewed during subsequent inspections.