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

Report Nos. 50-348/82-20 and 50-364/82-19

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

Facility Name: Farley Nuclear Plant

Docket Nos. 50-348 and 50-364

License Nos. NPF-2 and NPF-8

Inspection at Farley site near Dothan, Alabama

Inspector: John F. Rogge, for 27 Aug 82
W. H. Bradford, Date Signed

Approved by: Virgil L. Brownlee 8/27/82
V. L. Brownlee, Section Chief, Division of Project and Resident Programs Date Signed

SUMMARY

Inspection on July 16 - August 15, 1982

Areas Inspected

This routine inspection involved 130 inspector-hours on site in the areas of monthly surveillance observation, monthly maintenance observation, operational safety verification and independent inspection effort.

Results

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

DETAILS

1. Persons Contacted

Licensee Employees

W. G. Hairston, Plant Manager
J. D. Woodard, Assistant Plant Manager
D. Morey, Operations Superintendent
R. S. Hill, Operations Supervisor
W. D. Shipman, Maintenance Superintendent
C. Nesbitt, Technical Superintendent
L. Williams, Training Superintendent
R. G. Berryhill, Systems Performance and Planning Superintendent
L. A. Ward, Planning Supervisor
W. C. Carr, Chemistry and Health Physics Supervisor
M. W. Mitchell, Health Physics Supervisor
R. D. Rogers, Technical Supervisor
J. Odom, Operations Section Supervisor
T. Esteve, Operations Section Supervisor
R. Bayne, Chemistry Supervisor
J. Thomas, I&C Supervisor
J. Hudspeth, Document Control Supervisor
K. Jones, Material Supervisor
R. H. Graham, Security Supervisor
L. W. Enfinger, Administrative Superintendent
W. G. Ware, Supervisor, Safety Audit Engineering Review

Other licensee employees contacted included technicial, operation personnel, maintenance and I&C personnel, security force members, and office personnel.

2. Exit Interview

The inspection scope and findings were summarized during management interviews held throughout the reporting period with the plant manager and selected members of his staff. The licensee acknowledged the inspection findings.

3. Licensee Action on Previous Inspection Findings

Not inspected

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Monthly Surveillance Observation

The inspector observed Technical Specifications required surveillance testing and verified that testing was performed in accordance with adequate

procedures, that test instrumentation was calibrated, that limiting conditions for operation were met, that test results met acceptance criteria requirements and were reviewed by personnel other than the individual directing the test, and that any deficiencies identified during the testing were properly reviewed and resolved by appropriate management personnel.

The inspector witnessed/reviewed portions of the following test activities:

FNP-1-2-STP-1.0	-	Operations Daily and Shift Surveillance Requirement Modes 1, 2, 3, and 4.
FNP-2-STP-3.1	-	Borated Water Source Operability Tests, Modes 1, 2, 3, and 4.
FNP-2-STP-2.3	-	Boron Injection Flow Path Verification and Boric Acid Transfer Pump Operability Test, Modes 1, 2, 3 and 4.
FNP-2-STP-9.0	-	RCS Leakage Test.
FNP-2-STP-27.3	-	Auxiliary and Service Water Building D. C. Distribution.
FNP-2-STP-27.2	-	On Site AC Distribution.
FNP-2-STP-80.1	-	D/G 2B Operability Test.
FNP-2-STP-12.0	-	Boron Injection Tank Operability Test.
FNP-2-STP-33.0	-	Solid State Protection System Train A Operability Test.
FNP-1-STP-109.0	-	Power Range Neutron Flux Channel Calibration.
FNP-1-STP-7.0	-	Quadrant Power Tilt Ratio Calibration.
FNP-1-STP-22.0	-	Turbine Driven Auxiliary Feed Water Pump Operability Test.
FNP-1-STP-22.8	-	Auxiliary Feedwater Inservice Valve Exercise Test.

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

6. Monthly Maintenance Observation

Station maintenance activities of safety-related systems and components were observed/reviewed to ascertain that they were conducted in accordance with approved procedures, regulatory guides, industry codes and standards, and in conformance with Technical Specifications.

The following items were considered during this review: limiting conditions for operation were met while components or systems were removed from service; approvals were obtained prior to initiating the work; activities were accomplished during approved procedures and were inspected as applicable; functional testing and/or calibrations were performed prior to returning components or systems to service; quality control records were maintained; activities were accomplished by qualified personnel; parts and materials were properly certified; radiological controls were implemented; and fire prevention controls were implemented.

Work requests were reviewed to determine the status of outstanding jobs to assure that priority is assigned to safety-related equipment maintenance which may affect system performance.

The following maintenance activities were observed/reviewed:

a. 2B boric acid transfer pump.

b. 1-2A diesel generator jacket water pump.

c. 1B service water pump repair.

d. 1C diesel generator starting air compressor.

e. 1B charging pump.

f. Diesel engine driven fire pump.

g. Unit 1 - MOV 8706 B.

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

7. Operational Safety Verification

The inspector observed control room operations, reviewed applicable logs and conducted discussions with control room operators during the report period. The inspectors verified the operability of selected emergency systems, reviewed tagout records and verified proper return to service of affected components. Tours of the auxiliary, diesel, turbine building and containment were conducted to observe plant equipment conditions, including potential fire hazards, fluid leaks, and excessive vibrations. The inspector verified by observation and direct interviews, that the physical security plan was being implemented in accordance with the station security plan.

The inspector observed plant housekeeping/cleanliness conditions and verified implementation of radiation protection control. The inspector

walked down accessible portions of the following safety-related systems on Units 1 and 2 to verify operability and proper valve alignment:

a. Station electrical boards in the control rooms and various boards throughout the plant for proper electrical alignment.

b. Various instrument calibration and repair throughout the plant.

c. Certain accessible hydraulic snubbers.

d. Certain fire protection systems.

e. Units 1 and 2 auxiliary feedwater suction and discharge and steam supply to the turbine driven auxiliary feedwater pumps.

f. Certain portions of flow paths of the boric acid systems.

g. Portions of Units 1 and 2 charging/safety injection pumps suction and discharge piping systems.

h. Portions of various other systems (safety-related and non-safety-related) were observed for proper alignment and operation on various plant tours throughout the report period.

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

8. Independent Inspection Effort

The inspector routinely attended meetings with certin licensee management and observed various shift turnovers between shift supervisors, shift foreman and licensed operators during the reporting period. These meetings and discussions provided a daily status of plant operating and testing activities in progress as well as discussion of significant problems or incidents.

The following areas were inspected:

a. On August 11, 1982 the licensee was performing Surveillance Test 10.3 "Emergency Core Cooling Valves Inservice Test and PORV Block Valve Stroke Test" on Unit 1. During the conduct of this test letdown valves No. 459 and No. 460 are required to be stroked to the closed position. When valve No. 460 was closed it would not reopen. The licensee took the unit off line to hot standby and repaired the valve. The unit was returned to service. The licensee replaced the solenoid on the valve.

b. During the reporting period the inspector reviewed the licensee's upcoming Unit 2 refueling outage. This is the first refueling outage for Unit 2. The outage is scheduled to start on October 22, 1982 and last for approximately six weeks. During the outage certain maintenance and modification work is scheduled. The licensee plans to

conduct the "Loss of Off-site Power and Safety Injection" tests during the outage.

c. During the reporting period the inspector observed the completion of the modification to Unit 2 spent fuel storage pool. The modification consisted of installing and testing high density spent fuel racks. At the end of the reporting period the licensee is filling the spent fuel pool with borated water in anticipation of Unit 2 refueling outage.

The inspector had no further questions.