



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

MAR 6 1981

Report Nos. 50-348/81-2 and 50-364/81-3

Licensee: Alabama Power Company  
P. O. Box 2641  
Birmingham, AL 35291

Facility Name: Farley Units 1 and 2

Docket Nos. 50-348 and 50-364

License Nos. NPF-2 and NPF-8

Inspection at Farley Plant near Ashford, Alabama

Inspectors: D. L. Andrews  
D. L. Andrews

3/5/81  
Date Signed

W. W. Stensberry  
W. W. Stensberry

3/5/81  
Date Signed

Approved by: G. R. Jenkins  
G. R. Jenkins, Chief, Emergency Preparedness  
Section

3/5/81  
Date Signed

### SUMMARY

Inspection on February 17 thru February 20, 1981

#### Areas Inspected

This routine unannounced inspection involved 48 inspector-hours on site in the areas of emergency organization, assessment actions, notification procedures, emergency facilities and equipment, emergency organization training, emergency exercises and drills, recovery organization and procedures, and IE Bulletin 79-18.

#### Results

Of the seven areas inspected, no violations or deviations were identified.

8104080009

## DETAILS

### 1. Licensee Employees

W. G. Hairston, Plant Manager  
\*J. D. Woodard, Assistant Plant Manager  
\*K. W. McCracken, Technical Superintendent  
\*W. C. Carr, Supervisor, Safety Audit Engineering Review  
\*J. W. Kalle, Jr., SAER Engineer  
\*W. R. Bayne, Plant Chemist (Emergency Plan Coordinator)  
\*J. B. Lowery, SAER Engineer  
\*H. M. McClellan, General Plant Engineer I  
L. Williams, Training Supervisor  
J. Hudspeth, Document Control Supervisor  
R. Yance, Electrical Supervisor

Other licensee employees contacted included construction craftsmen, three technicians, three operators and four office personnel.

NRC Resident Inspector

\*W. Bradford

\*Attended exit interview

### 2. Exit Interview

The inspection scope and findings were summarized on February 20, 1981 with those persons indicated in Paragraph 1 above.

### 3. Licensee Action on Previous Inspection Findings

An unresolved item concerning fire brigade training and drills (50-348/80-36-05; 50-364/80-EP-07) was inspected and is discussed in paragraph 10.a below.

### 4. Unresolved Items

Unresolved items were not identified during this inspection.

### 5. Emergency Organization

This area was reviewed to insure that an onsite emergency response organization has been provided, plant staff emergency assignments, authorities, responsibilities and duties have been delineated, an onsite emergency director has been identified, and a description of State and local offsite services to be provided in support of the emergency organization is included in written agreements reached with each agency.

A previous item in this area (50-348/79-36-01) concerned updating agreements reached with the Dothan, Alabama Fire Department, Southern Alabama Medical Center and the State of Georgia. The inspector reviewed updated agreements between Alabama Power Company and the Dothan Fire Department and Southern Alabama Medical Center. No written agreement has been obtained from the State of Georgia as required by the planning standard contained in 10CFR 50.47(b)(1), addressed by specific criteria in NUREG 0654, Rev. 1, Section II.A.3 effective April 1, 1981. A licensee representative stated that discussions were being conducted with the State of Georgia and an agreement should be concluded within a short time. For clarification the above noted item is closed and the written agreement between Alabama Power Company and the State of Georgia is reopened as 50-348/81-02-01; 50-364/81-03-01.

6. Assessment Actions

During an emergency exercise held on November 19 and 20, 1980, the procedure for offsite dose assessment contained in Emergency Plan Implementing Procedure (EIP-9) were determined to be inadequate in view of the upgraded requirements of planning standard 10CFR50.47(b)(9) and criteria in NUREG 0654 Rev. 1, Appendix 2. This item was identified as 50-348/80-36-06; 50-364/80-48-06. In addition, a concern was expressed by an inspector during the same exercise about the operational technique of the offsite monitoring teams. (50-348/80-36-07; 50-364/80-48-07) A revised offsite dose assessment method which meets the indicated criteria has been prepared and is identified as FNP-0-M-007. An assessment verification procedure utilizing the offsite monitoring teams is included in the above method. The monitoring teams, directed by the Technical Support Center (TSC) staff, will verify dose equivalent predictions by monitoring in the projected isodose areas. A comment concerning the number of offsite teams dispatched during the exercise was resolved by discussions with licensee representatives. At the time of the exercise the inspector mistakenly identified one of the offsite monitoring teams as an onsite team due to their operations in close proximity to the plant. This error was not resolved at the critique. In view of the above changes to the licensee's assessment method and procedures both the above noted items are closed.

7. Notification Procedures

This area was reviewed with respect to the requirements of 10CFR50, Appendix E, paragraph IV.D. and the planning standards of 10 CFR 50.47(b)(5) and (6).

- a. Notification Roster - An outdated emergency notification roster (EIP-8) had been inadvertently supplied to the inspector prior to the exercise on November 17, 1980 which contained erroneous information. Updated EIP-8 was reviewed and the inspector verified that the notification roster is being kept up to date. Item 50-348/80-36-03; 50-364/80-48-03 is closed.
- b. Emergency Notification System - Previous inspection item 50-348/80-36-01; 50-364/80-48-01 identified difficulty with the Emergency

Notification Network (ENN) during the previously noted exercise. These problems have apparently been resolved and the monthly tests of the ENN system (STP-60) for December 1980 and January 1981 were satisfactorily completed. This item is closed.

- c. Site Assembly and Accountability - Inspection item 50-348/80-36-04; 50-364/80-48-04 concerned a misunderstanding among section supervisors as to when the accountability procedure was complete and should be reported to the Emergency Director. Some supervisors understood the procedure to mean that missing personnel had to be located prior to reporting the accountability results to the Technical Support Center. EIP-10 has been revised to emphasize the reporting requirements and has been distributed to all supervisors involved in the accountability procedure. This item is closed.

#### 8. Emergency Facilities and Equipment

This area was reviewed with respect to the requirements of 10CFR50, Appendix E, paragraph IV.E, planning standard 10CFR50.47(b)(8) and specific criteria contained in NUREG 0654, Rev. 1, Section II.H.

- a. Unit 2 Process and Area Monitoring Systems - A previous inspection item (50-364/80-40-01) identified the Unit 2 process and area monitoring system as being incomplete with respect to installation and testing. The inspector reviewed those monitors directly related to the emergency plan assessment procedures and determined that adequate instrumentation is in place and operational to fulfill the requirements related to the emergency plan and procedures. Some monitoring system equipment is in the process of being upgraded, however this area will be followed by the Facilities Radiation Protection Section. This item is closed.
- b. Hot Shutdown Panel - Due to continued testing at the Unit 2 hot shutdown panel, the stocking of the Emergency Plan and applicable EIP's had not been completed. This was previously identified as item 50-364/80-40-02 and this item shall remain open until the hot shutdown panel is completed and supplied with the appropriate documents.
- c. Emergency Operations Facility (EOF) - A previous inspection item (50-364/80-40-04) identified a lack of visual aids and communications systems in the interim EOF. This item further identified the lack of an inventory procedure for the supplies and equipment at the interim EOF as a concern. Inspection report 50-348/80-36; 50-364/80-48 amplified these concerns. The inspector reviewed the inventory procedure in EIP-16 and inspected the interim EOF supplies, equipment and communication systems. The interim EOF appears to be adequately equipped for its intended function. This item is closed. An additional item (50-348/80-36-08; 50-364/80-48-08) concerned the arrangement of the communication systems resulting in an unnecessarily high noise level from the ENN speaker which, at times, interfered with telephone conversations. The inspector reviewed the current



communications arrangement and discussed the problems indicated with a licensee representative. The telephones have been equipped with longer cords and the ENN speaker can be turned down to a lower volume to reduce interference. Since this is an interim facility the present arrangement appears to be adequate for the functions intended at this facility. This item is closed. Interim EOF functions are discussed in IE Rpt. 50-348/80-36; 50-364/80-48.

9. Emergency Plan Implementing Procedure (EIP)

A previous inspection item (50-364/80-40-07) identified several EIP's which needed revision to include Unit 2 components of the emergency organization and facilities and equipment. Since this item was opened the Farley Emergency Plan and all EIP have been revised in accordance with applicable criteria in 10 CFR 50.47 and 10 CFR 50, Appendix E. This item is closed.

10. Emergency Organization Training

This area was reviewed with respect to the requirements for training contained in 10 CFR 50.47(b)(15), addressed by specific criteria in NUREG 0654, Rev. 1, Section II.O., and 10 CFR 50, Appendix E, paragraph IV.F.

- a. Fire Brigade Training and Drills - A previous unresolved item (50-348/79-30-05) concerned a licensee QA audit (79-19) in which a finding related to incomplete training and drills for fire brigade team members during the first quarter 1979. In response to this concern the licensee has implemented a program whereby the training supervisor reviews fire brigade training files each quarter to insure that the required training and drills are completed. This item is closed.
- b. Chlorine Emergency Training - A previous item (50-348/79-36-03; 50-364/80-EP-05) concerned the need for training chemistry technicians in the hazards of chlorine gas emergencies and the use of the emergency repair kit. The inspector reviewed training records, course content and a course critique and determined that the chlorine emergency training program appears to be adequate to satisfy the needs in this area. This item is closed.
- c. Post Accident Sampling - A previous inspection item (50-364/80-40-06) concerned the training of Chemistry and Health Physics (C&HP) personnel in post accident sampling procedures (RCP-25). The inspector reviewed changes to the sampling procedure, which identify those specific areas necessary for each assigned group of C&HP personnel to be familiar with in an emergency. The inspector also reviewed training records, and discussed training in RCP-25 with C&HP supervisors. There appears to be adequate delineation of responsibilities and training has been conducted in the specific areas assigned to each group of C&HP personnel so that the post accident sampling capability for all shifts is insured. This item is closed.

- d. Plant Emergency Communications System - During the November 1980 emergency exercise an inspector noted that, although line 5 of the inplant communications network had been designated for emergency team use in accordance with the facility Emergency Plan, there was excessive use of that line by plant personnel not directly involved in the emergency response organization (50-348/80-36-02; 50-364/80-48-02). The inspector reviewed changes which have been incorporated into the general employees training outline and discussed general plant employee training with the training supervisor. The use of the designated emergency communication line during an exercise or an emergency is being emphasized during the ongoing general employee training program. This item is closed.
- e. Radioiodine Monitoring - A previous inspection item (50-364/80-40-05) concerned training of emergency monitoring personnel in the sampling and measurement of radioiodine during an emergency, and stocking of silver zeolite cartridges in the emergency kits intended for monitoring use. The inspector reviewed training records and radioiodine monitoring procedure and inspected emergency kits to insure that radioiodine monitoring capabilities are adequate. This item is closed.
- f. Emergency Repair Team - A previous inspection item (50-348/80-36-05; 50-364/80-48-05) concerned an observation by an inspector during an emergency exercise in which the emergency repair team entered a high radiation area, under uncertain conditions, without health physics support. The inspector reviewed procedure EIP-5 and discussed repair team training with the training supervisor and a C&HP section supervisor. The procedures governing repair team actions appear to be adequate and include health physics support actions. Health Physics support to the emergency repair team is being emphasized during the ongoing emergency plan training program. This item is closed.

#### 11. Technical Support Center (TSC)

The TSC was identified during a previous inspection (50-364/80-40-03) as having inadequate space for the number of persons expected to be assigned to that facility during an emergency and, as having inadequate communication systems to support emergency operations. These concerns were amplified during the observance of an emergency exercise in November 1980. (50-348/80-36; 50-364/80-48). At the time of the exercise a new TSC facility was under construction and was designed to meet the criteria of 10CFR50, Appendix E, paragraph IV.E and NUREG 0654, Rev. 1, Section II.H. This facility has been completed since the exercise and contains space for approximately 30 persons, communication equipment including radios, off-site telephone lines, inplant phone lines, a dedicated line between the TSC and Control Room, plant drawings and procedures, line printers from the Control Room, a television system which views the control panel, and an independent filtered ventilation system. The inspector toured the completed facility and determined that the TSC appears to be adequate to support an emergency in accordance with applicable criteria. This item is closed.

12. IE Bulletin 79-18 - The inspector reviewed corrective actions taken in response to Bulletin 79-18. During the November 1980 exercise areas were identified in which the site assembly alarm could not be heard. These areas were included in the licensee's plans for upgrading the emergency alarm system. The installation of equipment for the alarm system was nearly complete at the time of this inspection but it had not been tested as an integrated system. Item 79-BU-18 shall remain open until the equipment is fully installed and tested.