



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

Report No. 50-348/80-11

Licensee: Alabama Power Company
600 North 18th Street
Birmingham, Alabama 35291

Facility Name: Joseph M. Farley Nuclear Plant

Docket No. 50-348

License No. NPF-2

Inspection at Farley Site near Dothan, Alabama

Inspectors:

[Signature]
R. E. Trojanowski

6/19/80

Date Signed

[Signature]
W. H. Bradford

6/19/80

Date Signed

Approved by:

[Signature]
G. R. Jenkins, Section Chief, FF&MS Branch

6/19/80

Date Signed

SUMMARY

Inspection On May 27, 1980

Areas Inspected

This routine, unannounced inspection involved 6 inspector-hours onsite in the areas of observing a major radiation emergency exercise.

Results

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

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DETAILS

1. Persons Contacted

Licensee Employees

- *J. Woodard, Assistant Plant Manager
- *L. Williams, Training Supervisor
- *C. Nesbitt, Chemistry and Health Physics Supervisor
- *W. Pruett, Jr., Shift Supervisor
- *W. Bayne, Chemistry and Health Physics Foreman
- *K. McCracken, Technical Superintendent

NRC Resident Inspector

- *W. H. Bradford

2. Exit Interview

The inspection scope and findings were summarized on May 27, 1980, with those persons indicated in Paragraph 1 above.

3. Licensee Action on Previous Inspection Findings

Not inspected.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Emergency Tests and Drills

- a. Appendix E to 10 CFR 50, paragraph IV.I. specifies that the emergency plan shall contain provisions for testing, by periodic drills, of radiation emergency plans to assure that employees of the licensee are familiar with their specific duties, and provisions for participation in the drills by other persons whose assistance may be needed in the event of a radiation emergency.

Section VII.A.2. of the site emergency plan requires that announced and unannounced radiation drills be conducted at least annually to test the following major areas: Emergency Organization, Communications, Adequacy of the Site EIP's, Emergency Equipment, Training and Interfacing with Offsite Support Agencies.

- b. A radiation emergency exercise was conducted on May 27, 1980, which resulted in a simulated offsite radioactive release to the environment caused by a postulated steam generator tube rupture and fuel failure.

Inspectors were situated in the Control Room and Technical Support Center, respectively, and observed the licensee's response actions and adherence to emergency procedures during the exercise. The exercise scenario was sufficiently complex to adequately test the effectiveness of the site emergency plans and response thereto. Although the licensee response to this exercise was satisfactory, the following two weaknesses were identified and require further evaluation. These areas are identified as open items and will be followed during subsequent inspections.

(50-348/80-11-01) Accountability of all affected personnel was confirmed in approximately forty-three minutes after evacuation was declared. The inspectors considered that the data were available to confirm accountability in a shorter time frame, but that the administrative procedures utilized by site security in obtaining and transmitting these data to the Emergency Director resulted in a significant delay. The inspector stated that the licensee should evaluate improved methods for obtaining accountability confirmations in a more timely fashion.

(50-348/80-11-02) A radiation monitoring team was dispatched offsite to perform environmental surveys and gather samples. The method of communications from this team was through site security, who in turn relayed the environmental findings to the Emergency Director. This method of communications resulted not only in delays but also in the receipt of incomplete information. For example, survey results were provided to the Emergency Director without the associated locations being identified. The inspector stated that the licensee should evaluate improved communications techniques which ensure that the onsite emergency personnel receive timely and accurate information from the offsite radiation monitoring team.

The licensee is expected to complete evaluation of the two open items identified by June 6, 1980. The resident inspector advised the regional office via telecon on June 4, 1980 that the licensee completed the evaluation of these items. The site emergency plan which is currently being revised for submittal to NRR will incorporate improved procedures for ensuring personnel accountability and improved communications techniques for site emergency workers.

- c. There were no items of noncompliance or deviations identified.