



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

Report Nos.: 50-348/78-28 and 50-364/78-15

Docket Nos.: 50-348 and 50-364

License Nos.: NPF-2 and CPPR-86

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

Facility Name: Farley 1 and 2

Inspection at: Farley Site, Dothan, Alabama

Inspection Conducted: October 4-6, 1978

Inspectors: G. T. Gibson
D. M. Montgomery

Reviewed by: J. W. Hufham 11-17-78
Date
J. W. Hufham, Chief
Environmental and Special Projects Section
Fuel Facilities and Materials
Support Branch

Inspection Summary

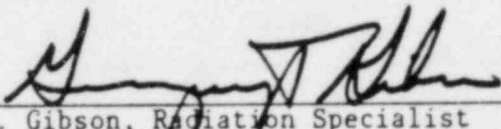
Inspection on October 4-6, 1978: (Report Nos. 50-348/78-28 and 50-364/78-15)

Areas Inspected: A routine, unannounced confirmatory measurements inspection consisting of: a review of the licensee's reactor chemical and radiochemical procedures; examination of radioanalytical equipment and instrumentation; review of equipment calibrations; examination of quality assurance audits; and a collection of actual plant effluent samples for future comparison of analytical results. The inspection consisted of 32 inspector-hours onsite by two NRC inspectors.

Results: Of the five areas examined, no items of noncompliance or deviations were identified in four areas. One apparent item of noncompliance (deficiency - failure to follow calibration procedures - paragraph 4.c) was identified in one area.

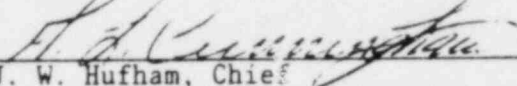
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DETAILS I

Prepared by: 
 G. T. Gibson, Radiation Specialist
 Environmental Special Projects Section
 Fuel Facility and Materials
 Safety Branch

11-16-78
 Date

Dates of Inspection: October 4-6, 1978

Reviewed by: 
 For J. W. Hufham, Chief
 Environmental Special Projects Section
 Fuel Facility and Materials
 Safety Branch

11-16-78
 Date

1. Persons Contacted

- *W. G. Hairston, Plant Manager
- *C. D. Nesbitt, Supervisor, Chemistry and Health Physics (C&HP)
- *W. R. Bayne, C&HP
- *M. W. Mitchell, C&HP
- *J. M. Walden, C&HP
- *D. L. Cox, Operations Quality Assurance (OQA)
- *J. W. Kale, Jr., OQA

*Denotes those present at the exit interview.

2. Licensee Action on Previous Inspection Findings

No previous enforcement items were within the scope of this inspection.

3. Unresolved Items

Unresolved items are matters about which more information is required in order to ascertain whether they are acceptable items, items of noncompliance, or deviations. Three unresolved items disclosed during the inspection are discussed in paragraphs 4.e., 5 and 6 of this report.

4. Chemical and Radiochemical Procedures

- a. The inspectors examined the licensee's chemical and radiochemical procedures utilized in Appendicies A and B of the Technical Specifications' surveillance requirements. The inspectors discussed with licensee personnel the administrative review and approval of the procedures, and projected revisions to the procedures.

- b. The inspectors examined calibration procedures and reviewed calibration records. The inspectors noted that calibration frequencies and requirements were met except as noted below.
- c. FNP-0-CCP-3 procedure, "Determination of Chloride Ion in Water", Section 7.2, requires calibrations using standard solutions. The inspectors were informed on October 5, 1978, no calibrations under this procedure had been performed. Failure to follow the FNP-0-CCP-3 procedure constitutes an item of noncompliance with Appendix A, Technical Specification 6.8.1 (348-78-22-01 and 364-78-15-01).
- d. Prior to the conclusion of the inspection, on October 6, 1978, the inspectors reviewed licensee calibrations using Procedure FNP-0-CCP-3, which were conducted to correct the identified item of noncompliance. The inspectors noted the equipment was calibrated as specifications require. The inspectors therefore have no further questions regarding this item and it is considered closed.
- e. The inspectors noted that procedures relating to the preparation of standard counting sources had not been prepared. The inspectors were informed that source preparation was sub-contracted. The inspectors noted, however, that as discussed in paragraph 5, new sources will be prepared. Completion of an approved source preparation procedure for the new calibration sources shall be considered an unresolved item (348-78-22-02 and 364-78-15-02).

5. NBS Sources

The inspectors reviewed the licensee's program for NBS traceable sources pursuant to FNP-Quality Assurance Manual Chapter 12.4.f and 10 CFR 50, Appendix B, Criterion XII. Licensee personnel were informed of NRC approved methods of obtaining or preparing NBS traceable or NBS relatable sources. Licensee personnel stated that NBS relatable sources will be obtained as soon as possible. This item shall be considered an unresolved item (348-78-22-03 and 364-78-15-03).

6. Counting System Geometries

The inspectors reviewed the licensee's Procedure FNP-0-RCP-185, "Operation and Calibration of Model 2201 Automatic Low Background Alpha/Beta Counting System" which is used for counting 47 mm-diameter smears for removable beta contamination. The inspectors were informed by licensee personnel that the counter was calibrated with a ^{90}Sr - ^{90}Y source deposited on an aluminum mount 1-inch in diameter. The inspectors noted that the counting efficiency determined with this

source would probably be higher than the true counting efficiency for a 47-mm filter. The licensee stated that a new procedure for calibration of the counter for smears would be developed. This item shall be considered an unresolved item (348-78-22-04 and 364-78-15-04).

7. Confirmatory Measurements

The inspectors obtained a liquid waste, waste gas, and particulate filter sample for future comparison of analytical results (348-78-22-05 and 364-78-15-05). In addition a spiked liquid waste and particulate filter sample were provided.

8. Exit Interview

The inspectors met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on October 7, 1978. The inspectors summarized the purpose and scope of the inspection and the findings.