



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
101 MARIETTA STREET, N.W.  
ATLANTA, GEORGIA 30323

Report Nos.: 50-348/85-07 and 50-364/85-07

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

Docket Nos.: 50-348 and 50-364

License Nos.: NPF-2 and NPF-8

Facility Name: Farley 1 and 2

Inspection Conducted: January 28-30, 1985

Inspectors: P. A. Taylor 2-13-85  
for H. L. Whitener Date Signed

P. A. Taylor 2-13-85  
for G. M. Nejfelt Date Signed

Approved by: P. A. Taylor 2-13-85  
for Frank Jape, Section Chief Date Signed  
Engineering Branch  
Division of Reactor Safety

SUMMARY

Scope: This routine, unannounced inspection involved 32 inspector-hours on site in the areas of reviewing preparations for the containment integrated leak rate test and reviewing the local leak rate program. The inspection was curtailed, because a failed containment vertical tendon was discovered during the walkdown of the containment prior to pressurizing the containment for the integrated leak rate test.

Results: No violations or deviations were identified.

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PDR ADOCK 05000348  
Q PDR

## REPORT DETAILS

### 1. Licensee Employees Contacted

- \*R. G. Berryhill, System Performance Supervisor
- \*R. M. Coleman, System Performance Supervisor
- \*T. P. Davis, Safety Engineering Review Group  
D. Hartline, Section Supervisor
- \*D. N. Morey, Assistant Plant Manager
- \*W. B. Shipman, Assistant Plant Manager
- \*W. G. Ware, Safety Engineering Review Group Supervisor
- \*J. D. Woodard, Plant Manager

Other licensee employees contacted included several technicians and office personnel.

#### Other Organization

##### Bechtel Corporation

- B. Patel, Engineer
- R. Rigs, Instrument Engineer
- L. Young, Computer Technician

##### NRC Senior Resident Inspector

- \*W. H. Bradford

\*Attended exit interview

### 2. Exit Interview

The inspection scope and findings were summarized on January 30, 1985, with those persons indicated in paragraph 1 above. The licensee had previously committed to reporting as-found leakages to the extent capable, as documented in inspector followup item (IFI) 50-348/82-21-01. The application of these corrections and need to determine additional corrections to calculate the as-found Type A containment leak rate will be reviewed by the licensee.

The licensee did not identify as proprietary any of the materials provided to or reviewed by the inspectors during this inspection.

### 3. Licensee Action on Previous Enforcement Matters

This subject was not addressed in the inspection.

### 4. Unresolved Items

Unresolved items were not identified during this inspection.

## 5. Containment Leak Rate Testing

### a. Containment Integrated Leak Rate Test (CILRT) (61719)

Procedures to be used for the Unit 2 Type A CILRT were reviewed and discussed with the licensee based on the requirements of Appendix J to 10 CFR 50. An issue was raised regarding the requirement to report the as-found Type B and Type C leak rates, which are used to calculate an as-found Type A CILRT.

The licensee committed to report these data, as documented by IFI 50-348/82-21-01, but due to an oversight, this matter was not provided. This IFI remains open pending the review of the 1985 Unit 2 CILRT report. In addition, potential areas for CILRT error - boundary condition alignment, high pressure gas source isolation, instrument calibration, steam generator water level, and reactor coolant pump seal water flow were discussed with the licensee's staff.

The planned instrument arrangement to monitor the containment volume was adequate and consisted of 18 platinum resistant temperature detectors (RTDs), six dew point sensors, and two precision pressure gauges. The RTDs were calibrated using three reproducible reference prints and were to be arranged in containment with some RTDs in a vertical plane from the polar crane and the remaining RTDs in a radial pattern from the reactor vessel. The dew point sensors utilize a photo-electric cell to determine the formation of a liquid layer within the cell, as the cell surface temperature is varied.

The CILRT was postponed pending resolution of the post-tensioned containment tendon anchor head failure discovered during the pre-CILRT walkdown. Details of this tendon failure are documented in IE Information Notice No. 85-10 dated February 6, 1985.

### b. Local Leak Rate Test (LLRT) - Type B and C Tests (61720)

As stated above, IFI 50-348/82-21-01 was left open pending the review of the 1985 Unit 2 CILRT report. Also, the licensee committed to review the possibility of obtaining as-found leak rates for Type B and Type C LLRTs that are not currently measured during the performance of preventive and corrective maintenance.