



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION II  
101 MARIETTA STREET, N.W.  
ATLANTA, GEORGIA 30303

Report Nos. 50-259/82-28, 50-260/82-28, and 50-296/82-28

Licensee: Tennessee Valley Authority  
500 1/2 Chestnut Street  
Chattanooga, TN 37401

Facility Name: Browns Ferry

Docket Nos. 50-259, 50-260, and 50-296

License Nos. DPR-33, DPR-52, and DPR-68

Inspection at Browns Ferry site near Decatur, Alabama

Inspector: John W. York 9/16/82  
for E. H. Girard Date Signed

Approved by: John W. York 9/16/82  
for J. Blake, Section Chief Date Signed  
Engineering Inspection Branch  
Division of Engineering and Technical Programs

SUMMARY

Inspection on August 30 - September 3, 1982

Areas Inspected

This special announced inspection involved 31 inspector-hours on site in the areas of inservice inspection program review and inservice testing program review.

Results

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

## REPORT DETAILS

### 1. Persons Contacted

#### Licensee Employees

- \*G. T. Jones, Plant Superintendent, Browns Ferry Nuclear Plant (BFNP)
- R. McPherson, Lead Mechanical Engineer, Engineering and Test Unit, BFNP
- P. Romine, Mechanical Engineer, Engineering and Test Unit, BFNP
- \*\*R. Rogers, Licensing Engineer
- \*\*G. L. Belew, Supervisory, Program and Procedures Section, Baseline and Inservice Inspection Group (BISIG)
- \*\*J. T. Lewis, Engineer, BISIG
- \*\*F. Campbell, Nuclear Engineer

#### Other Organizations

- \*\*R. Clark, Browns Ferry Project Manager, NRC
- \*\*G. Johnson, Senior Reviewer, NRC

#### NRC Resident Inspector

J. W. Chase  
G. L. Paulk

- \*Attended exit interview
- \*\*Contacted in a telephone conference call on September 2, 1982, to discuss the inservice inspection program for BFNP.

### 2. Exit Interview

The inspection scope and findings were summarized in a telephone conversation held with the plant superintendent on September 9, 1982. The licensee was informed that there would be further discussions between licensee and NRC personnel as required for the NRC to evaluate the licensee's inservice inspection and testing program related submittals and prepare safety evaluation reports for the program.

### 3. Licensee Action on Previous Enforcement Matters

Not inspected.

### 4. Unresolved Items

Unresolved items were not identified during this inspection.

## 5. Inservice Inspection - Review of Program (73051) - Units 1, 2, and 3

- References:
- (1) Letter from Mills (TVA) to Ippolito (NRC) dated December 24, 1980
  - (2) Browns Ferry Surveillance Instruction 4.6.G, "Inservice Inspection Program, Units 1, 2, and 3," approved September 29, 1981
  - (3) "Browns Ferry Nuclear Power Station, Units 1, 2, and 3 - Inservice Inspection Program Technical Evaluation Report," draft dated April 23, 1982

The inspector reviewed licensee submittals for their current inservice inspection (ISI) program (References (1) and (2)) and the NRC's preliminary technical evaluation of the program (Reference (3)). Subsequently, the inspector participated in a telephone conference call between licensee and NRC personnel, which was held to discuss the licensee's ISI program and their associated request for relief from code requirements. The NRC's preliminary technical evaluation of the ISI program as documented in Reference (3), proposed alternative examination requirements for certain of the code required examinations from which the licensee had requested relief. These proposed alternative examinations were discussed with the licensee during the conference call. The licensee stated they could make no commitments to the proposed alternative examinations at this time. It was agreed that the proposals would be reviewed further and discussed again at a later date.

Upon completion of the technical evaluation of the licensee's ISI program, including any changes made by the licensee as a result to the evaluation, the NRC will issue a safety evaluation report on the program.

## 6. Inservice Testing - Review of Program (92706) - Units 1, 2, and 3

- Reference:
- (1) Memorandum from Jones to Campbell, "Browns Ferry Nuclear Plant Units 1, 2, and 3 - Revision to Inservice Pump and Value Test Program," dated June 15, 1982
  - (2) BNL - NUREG - 26617, "Recommendations to the NRC for the Safety Evaluation Report of Browns Ferry Nuclear Plant - Units 1 and 2, Inservice Testing Program," dated July 1979
  - (3) BNL-NUREG-26583, "Recommendations to the NRC for the Safety Evaluation Report of Browns Ferry Nuclear Plant - Unit 3, Revision 1, Inservice Testing Program," dated July 1979

The inspector reviewed the licensee's current inservice testing (IST) program (Reference (1)) and a technical evaluation of the previous program revision (Reference (2) and (3)), and discussed these with licensee Engineering and Test Unit personnel. The review and discussions were conducted to provide the inspector with information for evaluation of the licensee's current IST program and its included requests for relief from

code requirements. The inspectors informed the licensee of the current guidance used by NRC in evaluating ISI programs and stated that questions formulated relative to their program during the inspection would be discussed formally with them at a later date.

Information obtained by the inspector during this inspection and in subsequent discussions and inspection will be utilized to evaluate the licensee's IST program. This evaluation will be documented in a NRC safety evaluation report to be prepared in the future.