



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

Report No. 50-370/82-28

Licensee: Duke Power Company  
422 South Church Street  
Charlotte, NC 28242

Facility Name: McGuire

Docket No. 50-370

License No. CPPR-84

Inspection at McGuire site near Charlotte, North Carolina

Inspector: A. H. Johnson  
A. H. Johnson

9/28/82  
Date Signed

Approved by: F. Jape  
F. Jape, Section Chief  
Engineering Inspection Branch  
Division of Engineering and Technical Programs

9/28/82  
Date Signed

SUMMARY

Inspection on September 14-17, 1982

Areas Inspected

This routine, unannounced inspection involved 30 inspector-hours on site in the areas of preoperational test procedure reviews and preoperational test package reviews.

Results

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

## REPORT DETAILS

### 1. Persons Contacted

#### Licensee Employees

- \*M. D. McIntosh, Station Manager
- \*W. M. Sample, Projects and Licensing Engineer
- \*D. Mendezoff, Licensing Engineer

Other licensee employees contacted included test engineers and office personnel.

#### NRC Resident Inspector

- \*P. R. Bemis

\*Attended exit interview

### 2. Exit Interview

The inspection scope and findings were summarized on September 17, 1982, with those persons indicated in paragraph 1 above. The licensee acknowledged the inspector's comments.

### 3. Licensee Action on Previous Enforcement Matters

Not inspected.

### 4. Unresolved Items

Unresolved items were not identified during this inspection.

### 5. Inspector Followup Item (IFI) Unit 2 (92706)

(Closed) IFI 82-22-06, the licensee performed system walkdowns and visual inspections on cold systems which are attached to an expanding system, while verifying no movement interferences during the thermal expansion testing. This item is closed.

### 6. Preoperational Test Procedure Review Unit 2 (70301, 70311, and 70320)

The inspector reviewed certain preoperational test procedures to verify that adequate test procedures were developed and approved which incorporated the requirements of Regulatory Guide 1.68, and appropriate portions of FSAR Section 14. Procedures reviewed completely or in part included the following:

- a. TP/2/A/1700/02, Containment Divider Barrier Leakage Area
- b. TP/2/A/1550/03P, Spent Fuel Drag Load Failure Retest
- c. TP/2/A/1550/03C, Checkout of Spent Fuel Pool Manipulator Crane and New Fuel Elevator
- d. TP/2/A/1550/03G, Checkout of Spent Fuel Assembly Handling Tool
- e. TP/2/A/1550/03H, Rod Control Cluster Thimble Plug Handling Tool
- f. TP/2/A/1550/03I, Checkout of Burnable Poison Rod Handling Tool
- g. TP/2/A/1550/03K, Index of Spent Fuel Pool Manipulator Crane
- h. TP/2/A/1250/07, Steam Generator Blowdown System Functional Test
- i. TP/2/A/1250/02B, Auxiliary Feedwater System Functional Test
- j. TP/2/A/1200/34, Safety Injection Pump 2B Head Curve Reverification Test
- k. TP/2/A/1150/15C, Hot Functional Testing of S/G Level Alarms and Indications
- l. TP/2/A/1250/05, Main Steam Safety Valve Setpoint Test
- m. TP/2/A/1250/06, Main Steam Isolation Valve Timing Test
- n. TP/2/A/1150/15B, Hot Functional Testing of Pressurizer and Level Control and PORVs

Within the area inspected, no violations or deviations were identified.

7. Preoperational Test Results Evaluation Unit 2 (70311, 70320, 70324, and 70329)

The inspectors reviewed the test results and licensee acceptance for the following preoperational tests:

- a. TP/2/A/1150/02, Pressurizer Relief Tank Functional Test
- b. TP/2/A/1150/15A, Hot Functional Testing of Reactor Coolant Low Flow Alarms
- c. TP/2/B/1200/10, Primary Sampling System Functional Test
- d. TP/2/A/1250/05, Main Steam Safety Valve Setpoint Test
- e. TP/2/B/1350/04, Unit 2 Supervisory Switchyard Control Functional Preoperational Test
- f. TP/2/B/1350/05, Unit 2 Bus Line Protective Relaying Preoperational Test
- g. TP/2/A/1350/13A, 120 Vital Instrument and Control Power System (EPG)
- h. TP/2/B/1350/18, 13.8 KV Normal Auxiliary Power System Preoperational Test
- i. TP/2/B/1350/21, 250VDC Auxiliary Power System Preoperational Test
- j. TP/2/B/1400/03, Recirculated Cooling Water System Functional Test
- k. TP/2/B/1350/28, 208Y/120 VAC Normal Auxiliary Power System (EPH)
- l. TP/2/B/1350/29, 600 V Shared Load Center Preoperational Test
- m. TP/2/B/1350/32, 240/120 VAC Normal Auxiliary Control Power System Preoperational Test
- n. TP/2/A/1450/12, Containment Air Release and Addition Function Test
- o. TP/2/B/1450/18, Turbine Building Ventilation System Functional Test
- p. TP/2/B/1500/10, Unit 2 Valve Stem Leakoff Test
- q. TP/2/A/1550/03B, Checkout of New Fuel Assembly Handling Tool
- r. TP/2/A/1550/03C, Checkout of Spent Fuel Pool Manipulator Crane and New Fuel Elevator
- s. TP/2/A/1550/03F, Checkout of New Rod Control Cluster Handling Tool

- t. TP/2/A/1550/03L, Spent Fuel Pool Manipulator Crane Auxiliary Hoist Checkout
- u. TP/2/A/1150/03N, Spent Fuel Pool Weir Gate Placement and Seal Test
- v. TP/2/A/1550/03P, Spent Fuel Pool Drag Load Failure Retest

The inspector also reviewed the packages of the above tests to verify the following:

- a. Individual test steps and data sheets were properly initialed and dated.
- b. Data sheets were completed.
- c. Changes to procedures were made in accordance with pertinent requirements.
- d. Test changes did not change the basic objective of the test.
- e. Test deficiencies were identified.

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