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

Report No. 50-370/82-19

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 Lake Norman, North Carolina

Inspector: A. H. Johnson — 8/10/82 Date Signed

Approved by: for F. Jape, Section Chief — 8-12-82 Date Signed
Engineering Inspection Branch
Division of Engineering and Technical Programs

SUMMARY

Inspection on July 19-22, 1982

Areas Inspected

This routine, unannounced inspection involved 34 inspector-hours on site in the areas of preoperational test procedure reviews and preoperational test witnessing.

Results

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

REPORT DETAILS

1. Persons Contacted

   Licensee Employees

   *W. M. Sample, Projects & Licensing Engineer
   *J. W. Boyle, Performance Engineer
   *D. B. Lampke, Licensing Engineer
   *D. Mendezoff, Engineering Specialist

   Other licensee employees contacted included test engineers and technicians.

   *Attended exit interview

2. Exit Interview

   The inspection scope and findings were summarized on July 22, 1982, with those persons indicated in paragraph 1 above. The licensee acknowledged the inspectors comments and findings.

3. Licensee Action on Previous Inspection Findings

   Not inspected.

4. Unresolved Items

   Unresolved items were not identified during this inspection.

5. Preoperational Test Results Evaluation (70329)

   The inspector reviewed the licensee acceptance for the following preoperational tests:

   a. TP/2/B/1350/18, 13.8 KV Normal Auxiliary Power System Preoperational Test

   b. TP/2/B/1350/21, 250 VDC Auxiliary Power System Preoperational Test

   c. TP/2/B/1350/28, 208/120 VAC Normal Auxiliary Power System Preoperational Test

   d. TP/2/B/1350/29, 600 V Shared Load Center Preoperational Test

   e. TP/2/B/1350/32, 240/120 V Auxiliary Control Power System Test

   f. TP/2/A/1400/03, Recirculated Cooling Water Functional Test

   g. TP/2/B/1400/08A, Conventional Low Pressure Service Water System Functional Test

h. TP/2/A/1550/03B, Checkout of New Fuel Assembly Handling Tool

i. TP/2/A/1550/03C, Checkout of Spent Fuel Pool Manipulator Crane and New Fuel Elevator

j. TP/3/A/1550/03F, Checkout of New Rod Control Cluster Handling Tool

k. TP/2/A/1550/03N, Spent Fuel Pool Weir Gate Placement and Seal Testing

l. TP/2/A/1550/03P, Spent Fuel Pool Drag Load Failure Retest.

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

6. Preoperational Test Procedure Review (70303 and 70311)

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/1200/29, Containment Initial Integrated Leak Rate Test and Structural Integrity Test

b. TP/2/A/1200/06A, Reactor Makeup Control System (NV) Functional Test (Cold)

c. TP/2/A/1250/02A, Auxiliary Feedwater System Pre-Hot Functional Test

d. TP/2/A/1400/01, Nuclear Service Water System

e. TP/2/A/1200/16, Isolation Valve Leak Rate Test

f. TP/2/A/1250/06, Main Steam Isolation Valve Timing Test

g. PT/2/A/4150/17, Pressurizer Heater Capacity Measurement

h. TP/2/A/1200/07, Boric Acid System Functional Test.

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

7. Preoperational Test Witnessing (70312)

The inspector witnessed portions of preoperational test TP/2/A/1200/16, Isolation Valve Leak Rate Test, to verify that the testing was conducted in accordance with an approved procedure.

The inspector observed overall test personnel performance to verify the following:

a. An approved procedure of the appropriate revision was available and in use by all test personnel.

b. Special test equipment required by the procedure was calibrated and in service.

c. Test prerequisites, initial conditions and precautions were met; and those which were waived had been reviewed and approved in accordance with procedural requirements.

d. Test data was collected and recorded for final analysis by the proper personnel.

e. Deficiencies identified during conduct of the tests were properly documented.

During this review there were no violations or deviations identified.

8. IE Bulletins (IEB) and Circulars (IEC) (92703)

a. (Closed) IEB 78-10, Bergen-Paterson Hydraulic Shock Suppressor Accumulator Spring Coils. DPC's letter to RII dated August 28, 1978 advised that Bergen-Paterson snubbers are not in use or planned for use at this station. This item is closed.

b. (Closed) IEC 78-07, Damaged Components of a Bergen-Paterson Services 2500 Hydraulic Test Stand. The licensee determined that the ball bushing associated with each snubber will remain with the snubber during the test; therefore, the test bench is not capable of applying a bending movement to a snubber under test at this station. This item is closed.

c. (Closed) IEC 80-21, Regulation of Refueling Crews. The licensee has added applicable recommendations into the fuel handling procedures. This item is closed.

d. (Closed) IEB 81-01, Surveillance of Mechanical Snubbers. The licensee revised the station's program to fulfill the bulletin requirements. This item is closed.

9. Miscellaneous Activities (92706)

The inspector evaluated NUREG/CR-2005, Checklist for Evaluating Emergency Procedures used in Nuclear Power Plants, by performing a document review evaluation on a random sample of McGuire emergency procedures. The inspector found this NUREG/CR-2005 to be a useful checklist for identifying potential procedural deficiencies.