



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

Report Nos. 50-369/82-39 and 50-370/82-36

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

Facility Name: McGuire

Docket No. 50-369 and 50-370

License Nos. NPF-9 and CPPR-84

Inspection at McGuire site near Cornelius, North Carolina

Inspectors: M. D. Hunt 11/24/82
 M. D. Hunt Date Signed

H. E. P. Krug 11/24/82
 H. E. P. Krug Date Signed

Approved by: F. Jape 11/26/82
 F. Jape, Section Chief Date Signed
 Engineering Inspection Branch
 Division of Engineering and Technical Programs

SUMMARY

Inspection on November 16-19, 1982

Areas Inspected

This routine, unannounced inspection involved 60 inspector-hours on site in the areas of: Unit 1 - Review of control room logs and diesel generator modifications; Unit 2 - Diesel generator preoperations testing and diesel generator battery weekly surveillance.

Results

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

REPORT DETAILS

1. Persons Contacted

Licensee Employees

- G. Cage, Superintendent of Operations
- E. Estep, Project Engineer
- *B. Barron, Operations Engineer, Unit 2
- *D. Mendezoff, Licensing Engineer
- *T. McConnell, Superintendent of Technical Services
- R. Roberts, Test Coordinator

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on November 19, 1982, with those persons indicated in paragraph 1 above. The licensee acknowledged the inspectors' findings.

3. Licensee Action on Previous Enforcement Matters

Not inspected.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Pre-Operational Test Procedure Review (70303B)

The inspectors reviewed the following pre-operational test procedures:

PT/2/A/4350/15B, "Diesel Generator 2B Periodic Test"

TP/2/A/1350/08B, "Diesel Generator 2B Pre-Operational Test"

TP/2/A/1450/08A, "Diesel Generator 2A Engine Starting Air System Functional Test"

TP/2/A/1450/08B, "Diesel Generator 2B Engine Starting Air System Functional Test"

TP/2/A/1550/01A, "Diesel Generator 2A Fuel Oil System Functional Test"

TP/2/A/1550/01B, "Diesel Generator 2B Fuel Oil System Functional Test"

TP/2/A/1700/01A, "Diesel Generator 2A Lube Oil System Functional Test"

TP/2/A/1700/01B, "Diesel Generator 2B Lube Oil System Functional Test"

The procedures appeared to meet the requirements set forth by the FSAR. All test procedures required signoff of important steps as the test progressed. The acceptance criteria was listed on the data sheets to provide guidance to the inspector.

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

6. Unit 2 Diesel Generator Inspections

The inspectors observed the weekly surveillance of the Unit 2 diesel generator batteries. The inspection covered the voltage level and cell electrolyte levels. The tests were performed in accordance with IP/0/A/3061/04, "Diesel Generator Battery (Nicaid) and Charger Maintenance". The personnel performing the test were knowledgeable of the requirements and understood the testing procedure.

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

7. Unit 2 Diesel Generator (D/G) Testing (70312)

The inspectors observed the starting of D/G 2B without AC power (DC only available) in accordance with Procedure TP/2/A/1350/08B, "Diesel Generator 2B Pre-Operational Test". The test personnel properly executed the procedure. This test was satisfactory.

The inspectors also witnessed D/G 2B load rejection testing also covered by the aforelisted procedure. The testing personnel observed setpoint drift on the overspeed trip unit during preliminary preparations and discontinued the test. The inspectors were advised that the components would be tested and replaced before the test was continued.

Within the areas examined, no violations were identified.

8. Observations of Unit 1 Operations

The inspectors examined the control room operating log, technical specifications log, and the latest shift supervisor's shift turnover sheet. These records were examined in order to establish whether or not technical specifications were being met during testing, surveillance and maintenance of the Unit 1 diesel generator units.

No violations or deviations were observed.

9. Unit 1 Diesel Generator Modification

The inspectors reviewed two modification process records for the diesel generator MG 00349 - The purpose of this modification was to correct a stress problem at the D/G voltage regulator cabinets. This work involved

replacing the cables between the voltage regulator cabinet and the surge cabinet. All work was in accordance with approved Design Engineering Department Design Practices and applicable FSAR and/or NRC Licensing submittal requirements. MG 00482 - This modification was required to permit reset of circuit 50 DGT trip target without closing the D/G breaker to the 4160V switchgear and change out of relg 74 DGT to reduce current draw in that circuit.

All the necessary evaluations had been documented, along with material accountability and qualification.

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