



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

Report Nos. 50-413/82-28 and 50-414/82-26

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

Facility Name: Catawba Units 1 and 2

Docket Nos. 50-413 and 50-414

License Nos. CPPR-116 and CPPR-117

Inspection at Catawba site near Rock Hill, South Carolina

Inspector: J. D. Gibbons  
 T. D. Gibbons

11/10/82  
 Date Signed

Approved by: T. E. Conlon  
 T. E. Conlon, Section Chief  
 Engineering Inspection Branch  
 Division of Engineering and Technical Programs

11-10-82  
 Date Signed

SUMMARY

Inspection on October 26-29, 1982

Areas Inspected

This routine, unannounced inspection involved 29 inspector-hours on site in the areas of instrumentation components and systems work activities and QC records; instrumentation cables and termination work activities and QC records, licensee action on previous enforcement matters and independent inspection effort.

Results

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

## REPORT DETAILS

### 1. Persons Contacted

#### Licensee Employees

- \*J. C. Rogers, Project Manager
- \*S. W. Dressler, Engineering Manager
- \*L. R. Davison, Project QA Manager
- \*R. A. Morgan, Senior QA Engineer

\*Attended exit interview

### 2. Exit Interview

The inspection scope and findings were summarized on October 29, 1982, with those persons indicated in paragraph 1 above. The inspector summarized the scope and findings of the inspection. The licensee was advised that no violations or deviations were identified during this inspection.

### 3. Licensee Action on Previous Enforcement Matters

(Closed) Violation 413/414-82-01-01 General Storage Inspection. Licensee's letter of response dated April 16, 1982, has been reviewed and determined to be acceptable by Region II. The inspector held discussions with responsible licensee representatives and examined the corrective actions as stated in the letter of response. The licensee has revised procedures to require documentation of the stored equipment.

### 4. Unresolved Items

Unresolved items were not identified during this inspection.

### 5. Independent Inspection Effort (92706B)

The inspector examined the construction of the 5kv switchgear and the 480v load centers. The above equipment is of bolted construction, however, the 480v motor control centers (MCC) were constructed using welding. The licensee identified that the MCC manufacturer used Mil-STD-278 and Mil-STD-248C to control welding. The welds examined were found to be acceptable to the referenced standards.

The inspector examined various portions of the cable and raceway installation in the auxiliary building.

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

6. Instrumentation (Components and Systems II) Observation of Work and Work Activities (52054B) (Unit 1)

The inspector selected four pressure switches 0-YC-PS-6080, 0-YC-PS-6090, 0-YC-PS-6060 and 0-YC-PS-6110 for examination to assure that the SAR and QAM requirements were complied with in the areas of identification, location, protection, cleanliness, functional test prior to installation, nonconformance control, inspection, and inspection documentation. The pressure differential switches are used in the safety related control room HVAC system. Within the areas examined there were no violations or deviations identified.

7. Instrumentation (Component and Systems II) Review of Quality Records (52056B)(Unit 1)

The inspector selected the pressure switches identified in paragraph 6 for a quality records review. The records were examined to assure that the requirements of the SAR and QAM were complied with in the areas of receiving inspection, vendor certificate of compliance, certified test reports, storage, handling, storage inspections, cleanliness, identification, proper switches installed and inspection.

The inspector examined the qualification records on three inspections to assure that the qualifications were complete, current and that the inspectors were adequately qualified for their assigned duties.

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

8. Instrumentation (Cables and Terminations II) Observation of Work and Work Activities (Unit 1)(52064B)

The inspectors selected twelve instrumentation cables as follows 1\*1, 1\*KC719, 1\*NK670, 1\*NK671, 1\*FW565, 1\*FW564, 1\*KD503, 1\*KD504, 1\*CA705, 1\*CA744 and 1\*CA745 for inspection. The above cables were examined to assure that the SAR and QAM requirements were complied with in the areas of protection storage, handling, identification, segregation of nonconforming material, material issue, material identification, work and inspection procedures, size and type of cable, location, routing, separation protection, grounding, raceway identification and raceway loading.

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

9. Instrumentation (Cable and Terminations II) Review of Quality Records (52066B) (Unit 1)

The inspector selected the cables identified in paragraph 8 for a quality records review. The records were examined to assure that the requirements of the SAR and QAM are complied with in the areas of receiving inspection, cable requirement, material certification, certified test reports, size and type of cable, raceway, location, routing, protection, raceway identification and cable pulling.

The qualification records for three QC inspectors and two QA personnel were examined to assure that the qualifications were complete, current and confirm that the personnel are adequately qualified for their duties.

The inspector selected ten nonconformance reports to assure that they were current legible, complete, retrievable and adequately reviewed by management and QC. The resolution included the status of corrective actions.

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