



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

Report Nos. 50-413/81-12 and 50-414/81-12

Licensee: Duke Power Company
4225 Church Street
Charlotte, NC 28242

Facility Name: Catawba

Docket Nos. 50-413 and 50-414

License Nos. CPPR-116 and CPPR-117

Inspection at Catawba Site near Rockhill, South Carolina

Inspector *T. D. Gibbons* for 7-7-81
T. D. Gibbons Date Signed

Approved by: *T. E. Conlon* 7-7-81
T. E. Conlon, Section Chief Date Signed
Engineering Inspection Branch
Engineering and Technical Inspection Division

SUMMARY

Inspection on June 1-5, 1981

Areas Inspected

This routine, unannounced inspection involved 35 inspector-hours on site in the areas of electrical cable and terminations work, work activities and quality records review.

Results

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

REPORT DETAILS

1. Persons Contacted

Licensee Employees

- *J. C. Rogers, Project Manager
- *R. A. Morgan, Senior QA Engineer
- *J. W. Glenn, Associate QA Engineer

NRC Resident Inspector

- *P. K. VanDoorn

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on June 5, 1981 with those persons indicated in paragraph 1 above.

3. Licensee Action on Previous Inspection Findings

(Closed) Deficiency (413/80-09-08, 414/80-09-08) - Cable termination sheets. The licensee responded to this item on August 15, 1980. QC Procedure EPR 130 has been revised to indicate that power cables will be terminated by drawing. The inspector verified that the procedure was revised and that the drawing is used to terminate power cables.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Electrical (Cables and Terminations I and II) - Observation of Work and Work Activities (Unit 1)

The inspector selected the following completed cables for examination: 1*KF510, 1*ATC717, 1*ATC581, 1*RN537, 1*ND521, 1*NS503, 1*EPL502, 1*EPL501, 1*EPL539, 1*EPC586, 1*ND549, 1*EPC527, 1*KC501, 1*ND514, 1*ND529, 1*CA501, 1*LD505 and 1*KF501. The cables were examined to assure that the SAR and QAM requirements were complied with in the areas of receiving inspection, storage, handling, identification, use of specified materials, work and QC procedures, size, type of cable, location, routing, protection, separation, raceway supports and anchorages, raceway identification, cable pulling procedures, raceway loading, cable terminations and high potential testing of the 5KV power cables.

Within the areas examined, there were no violations identified.

6. Electrical (Cables and Terminations I and II) - Review of Quality Records (Unit 1)

The inspector selected the cables identified in paragraph 5 for a quality records review to assure that the requirements of the SAR and QAM were complied with in the areas of receiving inspection, acceptance, vendor certified test reports, material certifications, size and type of cable, location, routing, protection, separation, bend radius, raceway identification, cable pulling, pulling tension, termination and raceway supports. High potential test reports for the 5KV cable were examined. Twenty-one nonconformance reports were examined to assure that the reports were current, complete, reviewed by management and retrievable. The reports adequately described the problem, and the status of corrective action.

Within the areas examined, there were no violations identified.

7. Licensee Identified Items

- a. (Open) 413/81-12-01, 414/81-12-01 - Isolation of Class IE isolation valve. The licensee reported this item to Region II on April 28, 1981. The licensee issued a design change authorization ECSP-090 to correct the problem. This item will remain open pending the completion of the necessary work.
- b. (Closed) 413/81-12-02 - Wiring discrepancies on emergency diesel generator control panels. The licensee reported this item on May 1, 1981, and issued a final report dated May 29, 1981. The vendor has rewired the panels to the approved drawings. The work was documented on nonconformances 8889, 8900, 8901 and 8902. The inspector examined the panels and nonconformances to assure that the work was completed.
- c. (Open) 413/81-12-03, 414/81-12-03 - Environmental qualification of equipment. The licensee reported this item on November 30, 1979. The licensee is continuing evaluations.
- d. (Closed) 413/81-12-04 - Leaking gas filled transformers. The licensee reported this item on May 1, 1981 and issued a final report on May 29, 1981. The transformer gas leaks were identified as defective welds. The welds have been rewelded. The transformer was purged, refilled with Freon and tested. The inspector examined the work packages which covered the work.

8. (Closed) IE Bulletin 80-23 - Valcor Solenoid Valve

The licensee responded to the Bulletin on February 12, 1981. This site received 100 of the subject valves. The licensee has shipped eight valves to Oconee Site and the remaining 92 valves were returned to the vendor for rework. The reworked solenoids have been returned to the site. The

licensee responded to IEB 80-23 for Oconee and included the eight valves from Catawba which will be replaced with valves from ASCO. The NRC Resident Inspector at Oconee is aware of the above.

9. Inspector Followup Item

(Closed) 413/80-11-04, 414/80-11-04 - Calibration of crimping tools. The licensee has established a procedure for calibrating the Thomas and Belts WT145A tools. All other crimping tools have been incorporated in Construction Procedure CP388, Revision 2, dated May 26, 1981. The use of the Revision 2 of CP 388 is delayed pending receipt of the test gages.