



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

Report Nos. 50-413/80-26 and 50-414/80-26

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

Facility Name: Catawba

License Nos. CPPR-116 and CPPR-117

Inspection at Catawba site near Rock Hill, South Carolina

Inspector:

J. Blake
J. Blake

10/10/80

Date Signed

Approved by:

A. E. Herdt
A. E. Herdt, Section Chief, RC&ES Branch

10/10/80

Date Signed

SUMMARY

Inspection on September 15-19, 1980

Areas Inspected

This routine resident inspection involved 36 inspector-hours onsite in the areas of reactor coolant pressure boundary piping (Units 1 and 2); safety related piping (Unit 1); containment structural steel (Unit 2); safety related concrete (Unit 2); and material storage (Units 1 and 2).

Results

No items of noncompliance or deviations were identified.

8011170 568

DETAILS

1. Persons Contacted

Licensee Employeed

- D. G. Beam, Project Manager
- *D. L. Freeze, Project Engineer
- *S. W. Dressler, Construction Engineer
- *L. R. Morgan, Senior QA Engineer
- L. R. Davison, Senior QC Engineer
- J. C. Shropshire, QA Engineer

Other licensee employees contacted included construction craftsman, QA technicians, security force members, and office personnel.

*Attended exit interview.

2. Exit Interview

The inspection scope and findings were summarized on September 19, 1980 with those persons indicated in Paragraph 1 above.

3. Licensee Action on Previous Inspection Findings

Not inspected.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Independent Inspection

- a. The inspector conducted general inspections of the reactor and auxiliary buildings to observe activities such as housekeeping, material handling, material storage and protection of installed equipment and components. These inspections were conducted on at at least a daily basis during the time of *he inspection with additional inspections on the evening shift.
- b. The inspector observed the sampling and testing of concrete during Pour No. 4543, for wall W206A. The tests witnessed were the concrete temperature, slump, and air content tests for the pour. The tests were conducted at the location where the concrete was being discharged from the trucks to the crane bucket.
- c. The inspector conducted an inspection of the piping material storage yard and warehouse.

There were no items of noncompliance or deviations in this area of the inspection.

6. Reactor Coolant Pressure Boundary (RCPB) Piping

The inspector observed work and work activities in the area of RCPB piping in both units. The observations included the following:

- a. (Unit 1) The inspector selected installed RCPB piping pieces No. INC-44-EE and INC-46-EE to verify that they were installed in accordance with applicable design requirements. The piping selected was between two primary loop hot legs and a "T" connector leading to the pressurizer spray piping connection. The installed piping was compared with the isometric drawings; design drawing Nos. CN-1491-NC017 and CN-1491-NC018; and flow diagram CN-1553-1.1 Rev. 4, Chg. 4., as well as the control valve specification No. 1205.06-03.
- b. (Unit 2) The inspector observed preparations for the fit-up of the primary loop hot legs (between reactor vessel and steam generator). Temporary support and protection of the hot leg piping pieces and the protection of the steam generator and reactor vessel nozzle weld preps were inspected.

There were no items of noncompliance or deviations in this area of the inspection.

7. Safety Related Piping (Unit 1)

The inspector observed the weld repair activities on 8-inch diameter by .322-inch nominal wall, containment spray piping weld joint No. CN-1RS-114, repair 2. The repair was to correct a lack-of-fusion, lack-of-penetration reject requiring a grind-out completely through the weld joint and the use of the "open-butt" welding technique to complete the weld repair. While the inspector was observing the welder's repair activities he also observed the licensee's inspectors verifying wall thickness measurements adjacent to several containment spray piping welds using ultrasonic techniques.

There were no items of noncompliance or deviations in this area of the inspection.

8. Containment Structural Steel (Unit 2)

The inspector observed welding of the following three welds in the Unit 2 containment dome:

- Weld P-5-5-B (Horizontal)
- Weld P-5-16-B (Horizontal)
- Weld P-5-17-R (Vertical)

The fit-up and preparation for welding of several other weld seams in the areas adjacent to the welds mentioned above were also observed.

There were no items of noncompliance or deviations in this area of the inspection.