



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

Report Nos. 50-491/79-16, 50-492/79-16, and 50-493/79-16

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

Facility Name: Cherokee Nuclear Plant

Docket Nos. 50-491, 50-492, and 50-493

License Nos. CPPR-167, CPPR-168, and CPPR-169

Inspection at Cherokee site near Gaffney, South Carolina

Inspector: J. K. Rausch
J. K. Rausch

10-4-79
Date Signed

Approved by: J. C. Bryant
J. C. Bryant, Section Chief, RC&ES Branch

10/4/79
Date Signed

SUMMARY

Inspection on September 13 - 14, 1979

Areas Inspected

This routine unannounced inspection involved 12 inspector-hours onsite in the areas of QA program implementation, concrete placement and containment plate assembly.

Results

Of the areas inspected, no items of noncompliance or deviations were identified.

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DETAILS

1. Persons Contacted

Licensee Employees

- *J. W. Willis, Senior QA Engineer
- *A. R. Hollins, Senior QC Engineer
- *K. W. Schmidt, QA Engineer
- *H. L. Atkins, QA Engineer, Mechanical Welding and NDE

Other licensee employees contacted included technicians and office personnel.

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on September 14, 1979, with those persons indicated in Paragraph 1.

3. Licensee Action On Previous Inspection Findings

Not inspected.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Quality Assurance Manual And Procedure Review

Procedure No. M-2 Rev. No. 16, titled "Inspection of Design Concrete" was reviewed in conjunction with the inspection of testing of concrete for placement in the auxiliary building areas surrounding the containment. Prepour inspections were being made and information recorded of Form 2A, Prepour Site Inspection. The testing of fresh concrete included the required cast cylinders, performance of air and slump tests and checking of the temperature. Results were being recorded on the licensees form M-2D.

Specification No. P 815-1109.00-00-0001 Rev. No. 1 titled "Specification for Concrete for Category I Structures" was reviewed in conjunction with the production, delivery, placing and finishing of the concrete.

No items of deviation or noncompliance were identified.

6. Construction Auditing

A review of Duke's construction auditing program as established by the quality assurance program was made. Duke surveillances consist of checking documents, records, concrete placement, welding, maintenance, and other types of construction activities. Persons responsible for surveillance

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develop and maintain schedules for periodic surveillances. They review each new QA and QC procedure upon issuance, documenting results of the review. The inspector examined procedures, schedules and organization charts and discussed applicability with Duke Management.

No items of deviation or noncompliance were identified.

7. Independent Inspection Effort

The inspector examined various areas of Units 1, 2 and 3 observing construction work and related activities in progress, the general state of cleanliness and housekeeping, and storage conditions of materials. Preassembly of containment plate pieces, located on the preassembly platform was observed. The containment plate sections had been cleaned and ground. Tack welding in preparation for welding was in process.

No items of noncompliance or deviations were identified.

8. IE Bulletins

- a. Closed: IEB 79-11 Faulty Overcurrent Trip Device in Circuit Breakers for Engineered Safety Systems. Duke replied to this bulletin on July 19, 1979, advising that a review of the design of Cherokee Nuclear Satation revealed that no Westinghouse DB-50 or DB-75 circuit breakers are used or planned for use in safety related systems.
- b. Open: IEB 79-15, Deep Draft Pump Deficiencies. Duke responded to this bulletin on September 6, 1979. Duke identified the manufacturers, models, capacity, plant application quantity and overall dimensions. Drawings, sectional assemblies and parts list will be examined on a subsequent inspection at the Cherokee Nuclear Plant site.