



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

Report Nos. 50-491/80-10, 50-492/80-10, 50-493/80-10

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

Facility Name: Cherokee Nuclear Station

License No. CPPR-167, CPPR-168, CPPR-169

Inspection at Cherokee site near Gaffney, South Carolina

Inspector: J. R. Harris 1/16/81
J. R. Harris Date Signed

Approved by: T. E. Conlon 1/20/81
T. E. Conlon, Section Chief RCES Branch Date Signed

Inspection on December 2-5, 1980

Areas Inspected

This routine, unannounced inspection involved 32 inspector-hours onsite in the areas of structural concrete, nuclear service water dam, construction status and licensee action on previous inspection findings.

Results

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

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DETAILS

1. Persons Contacted

Licensee Employees

J. T. Moore, Project Manager
*J. W. Davis, Senior Construction Engineer
*J. W. Willis, Project Senior QA Manager
D. Mason, Supervising Technician, Civil
*W. H. Linsey, Geotechnical Engineer
*K. W. Schmidt, QA Engineer
J. Hayes, QC Inspector, Civil
W. Vasse, QC Inspector, Civil

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on December 5, 1980 with those persons indicated in Paragraph 1 above.

3. Licensee Action on Previous Inspection Findings

(Closed) Noncompliance 491/79-10-01, 492/79-10-01, 493/79-10-01, "Placement of NSW Filter Materials At Densities Less Than Specified." The inspector examined the licensee's responses dated July 20, 1979, November 26, 1979 and November 28, 1979 and implementation of the responses. Filter materials placed at incorrect densities were removed and replaced. Placement of filter materials has been completed. Examination of test records on filter materials showed placed filters meet acceptance criteria. This item is closed.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Independent Inspection Effort

The inspector examined the following areas:

- a. Construction status
- b. Concrete and soils testing laboratory
- c. Preparation for pour number W-65 in the unit one shell wall
- d. Completed work on the nuclear service water dam embankment and spillway.

6. Lakes, Dams and Canals - Review of Quality Records, Units 1, 2 and 3. The inspector examined quality records for the coarse, transition and fine filters in the nuclear service water dam. Acceptance criteria examined by the inspector appear in the following documents:
- a. Section 2.5 of SER and PSAR, Appendix 2A and 2D of PSAR
 - b. Procedure M-1, Inspection of Compacted Earth Fills
 - c. Drawing number CK-0026-04, Rev. 10, Earthwork and Drainage, NSW Pond Dam, Sections and Details.
 - d. Drawing number CK-0026-02, REV10, Earthwork and Drainage, NSW Pond Dam, Excavation Sections and Details.
 - e. Specification CKS 1114.00-00-001, General Grading Work

Records examined included, placement records, test data and associated nonconformance reports for the coarse, fine and transition filters placed between June 1979 and October 1980.

No deviations or violations were identified.