



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MAR ETTA STREET, N.W.
ATLANTA GEORGIA 30303

Report Nos. 50-413/79-07 and 50-414/79-07

Licensee: Tennessee Valley Authority
500A Chestnut Street Tower II
Chattanooga, Tennessee 37401

Facility Name: Catawba Nuclear Station, Units 1 and 2

Docket Nos. 50-413 and 50-414

License Nos. CPPR-116 and CPPR-117

Inspection at Catawba site near Rock Mill, South Carolina

Inspector: R. M. Compton 5/10/79
R. M. Compton Date Signed

Approved by: J. C. Bryant 5/10/79
J. C. Bryant, Section Chief, RC&ES Branch Date Signed

Inspection on April 23-26, 1979

Areas Inspected

This routine, unannounced inspection involved 22 inspector-hours in the areas of structural concrete, concrete expansion anchors, related components, pipe support and restraint systems and licensee actions on previous inspection findings.

Results

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

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DETAILS

1. Persons Contacted

Licensee Employees

*D. G. Beam, Project Manager
*R. A. Morgan, Senior QA Engineer
*L. R. Davison, Senior QC Engineer
*W. D. Mason, QA Engineer
 J. J. Grumm, Assistant QA Engineer
C. V. Sheriff, Supervisory Technician, Civil QC
P. L. Atkins, Assistant QA Engineer

*Attended the Exit Interview.

2. Exit Interview

The inspection scope and findings were summarized on April 26, 1979 with those persons indicated in paragraph 1 above. The Licensee was advised that no new items of noncompliance or deviation were identified by this inspector.

3. Licensee Action on Previous Inspection Findings

(Open) Infraction 413/79-06-01: Failure to follow procedure for containment dome concrete inspections. Nonconformance Item (NCI) 5252 and form M-2N's, "Final Concrete Inspection Log", documenting the locations, sizes and corrective actions for excavations of questionable concrete were reviewed. The inspector examined the inside and outside surfaces of the dome, including repair work accomplished. Inspections and repair work were in the final stages. The investigation report being prepared by the technical support group was reviewed in draft form and was discussed with involved personnel. This item remains open pending evaluation of the licensee's report and final corrective actions.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Independent Inspection Effort-Units 1 and 2

a. The inspector witnessed partial placement of Unit 2 new fuel building wall pour number 3015. Aggregate stockpiles, in process testing, batch plant operations and equipment calibration were also observed. Batch plant and structural QC inspectors

were interviewed concerning procedural requirements and their responsibilities. Acceptance criteria for these activities are contained in Specification CNS-1109.00-1, Revision 15, "Specification for Concrete for Category I Structures" and QA Procedure M-2, Revision 15, "Inspection of Design Concrete".

No items of noncompliance or deviations were identified.

- b. The following installed and QC inspected pipe supports were examined for compliance with procedural and drawing requirements:

1-R-NV-1217	1-A-RN-V4113
1-R-RN-1018	1-A-RN-4070
1-R-RN-1019	1-R-RN-408
1-R-RN-1017	

Fabrication, erection and inspection requirements are detailed in the following documents:

QA Procedure M-15, Revision 10, "Installed Pipe Support Inspection"

QA Procedure M-51, Revision 3, "Component Supports"

Specification CNS-1206.00-4.0, Revision 6, "Component Support Procurement Specification"

Specification CNS-1206.00-4.3, Revision 2, "Procedure Requirements for Fabrication and Erection of Hangers, Supports and Seismic Controls"

ASME Boiler and Pressure Vessel Code, Section III, Subsection NF, 1974 edition through summer 1975 Addenda

No items of noncompliance or deviations were identified.

- c. (Open) Inspector Followup Item 413/79-03-01: Concrete expansion anchor installation and inspection procedures. A draft revision to QA Procedure M-52, "Concrete Expansion Anchor Installation Inspection", providing more consistent testing requirements and Variation Notice 5402 providing acceptance criteria for gaps behind baseplates were reviewed and discussed. This item remains open pending review of issued document changes addressing these areas.

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6. Safety-Related Components-Review of Quality Assurance
Implementing Procedures - Unit 1

The inspector reviewed proposed revisions to QA Procedures M-9, "Mechanical Equipment Installation Inspection", and M-18, "Inspection of Structural Steel Erection" that would specifically include the inspection of mechanical equipment supports as part of M-18. The necessity to backfit these new requirements to equipment already installed or being installed was discussed. Previously identified Inspector Followup Item 413/79-03-02: Inspection requirements for site fabricated component supports, will remain open pending review of issued procedure revisions.

No items of noncompliance or deviations were identified.

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