



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

Report Nos.: 50-327/78-34 and 50-328/78-25  
Docket Nos.: 50-327 and 50-328  
License Nos.: CPPR-72 and CPPR-73  
Categories: A3 and A2  
Licensee: Tennessee Valley Authority  
830 Power Building  
Chattanooga, Tennessee 37401  
Facility Name: Sequoyah Nuclear Plant, Units 1 and 2  
Inspection at: Daisy, Tennessee  
Inspection Conducted: October 13, 1978  
Inspectors: J. R. Harris  
R. M. Compton  
J. J. Lenahan  
Reviewed by: R. M. Compton for 11/2/78  
J. C. Bryant, Chief Date  
Engineering Support Section No. 1  
Reactor Construction and Engineering  
Support Branch

Inspection Summary

Inspection on October 13, 1978 (Report Nos. 50-327/78-34  
and 50-328/78-25)

Areas Inspected: Licensee action on previously identified items concerning  
understrength concrete in Units 1 and 2 shield buildings; ERCW pipe cribbing. The  
inspection involved 18 inspector-hours onsite by three inspectors.  
Results: No deviations or items of noncompliance were identified.

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DETAILS I

Prepared by:

J. R. Harris  
J. R. Harris, Civil Engineer/Geologist  
Engineering Support Section No. 1  
Reactor Construction and Engineering  
Support Branch

11/6/78  
Date

R. M. Compton  
R. M. Compton, Civil Engineer  
Engineering Support Section No. 1  
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11/4/78  
Date

J. J. Lenahan  
J. J. Lenahan, Civil Engineer  
Engineering Support Section No. 1  
Reactor Construction and Engineering  
Support Branch

11/3/78  
Date

Date of Inspection: October 13, 1978

Reviewed by:

J. C. Bryant  
J. C. Bryant, Chief  
Engineering Support Section No. 1  
Reactor Construction and Engineering  
Support Branch

11/6/78  
Date

1. Persons Contacted

Tennessee Valley Authority (TVA)

- \*G. G. Stack, Project Manager
- \*R. W. Olson, Assistant Construction Engineer
- \*R. C. Miles, Supervisor, Office and Civil Engineering Unit
- W. Jolly, Civil Engineer, QC Inspector
- T. Wright, Civil Engineer
- \*J. E. Wilkins, Construction Engineer
- \*R. W. Farrell, Supervisor, Quality Control Records Unit
- \*W. I. Dothard, Nuclear Licensing, OEDC
- \*D. P. Ormsby, Regulatory Staff
- \*G. L. Ford, Engineer, Mechanical Design Branch, OEDC
- \*W. D. Teague, SMEL
- \*J. Rowan, CEB
- \*R. Funk, RED CEB

\*D. Kerley, SMEL

\*Denotes those present at the exit interview.

2. Licensee Action on Previous Inspection Findings

- a. (Open) Item (328/78-01-14): Shield Building Interior Surface Strength. TVA notified RII on December 16, 1977, of understrength concrete on the interior of the Unit 2 shield building. RII:IE Report Nos. 50-327/77-30 and 50-328/77-21 identified understrength concrete problems in both Units 1 and 2 shield buildings. The inspectors examined 6 cores taken from the interior wall of each shield building. The six cores from the Unit 2 shield building showed a 1 to 2 1/2 inch discolored zone on the wall end of the cores. The discolored zones appeared to be softer and of a lower quality concrete than the inner parts of the cores. No textural differences were visible between the wall ends and inner portions of cores taken from the Unit 1 shield building.

Discussions were held with representatives from TVA Regulatory, SMEL and CEB staff regarding testing on the core samples and results of testing which would be incorporated in a revised final report. This item remains open pending RII:IE review of the testing and revised final report.

- b. (Closed) Unresolved Item (328/78-18-01): ERCW Pipe Cribbing. Re-excavation of the ERCW pipe trench due to a change in design criteria revealed cribbing had been left in place when the pipe trench was originally backfilled and compacted. The inspector examined the area of concern, discussed the item with responsible engineers and reviewed the licensee's disposition of NCR 1098 and 1236 which indicated the remaining cribbing would not cause a system failure. The inspector has no further questions on this item at this time.

3. Exit Interview

The inspector met with the licensee representatives denoted in paragraph 1 at the conclusion of the inspection. The licensee was apprised of the scope of the inspection which included examination of action on previously identified items on understrength concrete and ERCW pipe cribbing. No deviations or items of noncompliance were identified.