

NOTICE OF VIOLATION

Tennessee Valley Authority
Watts Bar Unit 1

Docket No. 50-390
License No. CPPR-91

During an NRC inspection conducted December 18, 1994, through January 21, 1995, a violation of NRC requirements was identified. In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," 10 CFR Part 2, Appendix C, the violation is listed below:

10 CFR 50 Appendix B, Criterion V, Instructions, Procedures, and Drawings, and Tennessee Valley Authority NQA TVA-NQA-PLN89-A, Revision 4, Section 6.1, Procedures and Instructions, require in part that quality-related activities shall be prescribed by documented procedures and instructions appropriate to the circumstances and that the activities shall be accomplished in accordance with these procedures and instructions.

Contrary to the above, the following were identified:

1. Modification and Addition Instruction MAI-3.3, Cable Terminating, Splicing, and Testing For Cables Rated Up To 15,000 Volts, Revision 13, Section 6.2.15, provides for securing cables to panels using cable mounts to arrange cable bundles. The use of tie wraps is not specified as an approved method of supporting cable bundles.

As of January 9, 1995, the Class 1E field cable 1PS117A, located between control room panels 1-M-5 and 1-M-6, was not supported in accordance with Modification and Addition Instruction MAI-3.3 requirements as evidenced by being vertically supported through the use of a three tie wraps. Additional Class 1E field cables were then secured to field cable 1PS117A with no other support points. Furthermore, the tie wraps were secured to a metal rod wedged at the top of the control panel.

2. Modification and Addition Instruction MAI-3.3, Cable Terminating, Splicing, and Testing For Cables Rated Up To 15,000 Volts, Revision 13, Section 6.2.9.o, requires that Raychem materials be installed following manufacturer's instructions approved by site engineering. Engineering-approved Raychem vendor manual WBN-VTM-R098-0010 specifies installation criteria for heat shrink tubing including visible flow of sealant at each end of tubing.

As of January 12, 1995, Raychem heat shrink tubing for repairing damaged vendor wire 17-9 at Class 1E outboard containment

Enclosure 1

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electrical penetration 1-PENT-293-0052-B was not installed in accordance with the vendor manual instructions in that there was no visible flow of sealant at the repair sleeve end thereby indicating inadequate sealing. As a result, the installed Raychem tubing was able to be rotated around the vendor wire.

This is a Severity Level IV violation (Supplement II).

Pursuant to the provisions of 10 CFR 2.201, Tennessee Valley Authority is hereby required to submit a written statement or explanation to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, D.C. 20555, with a copy to the Regional Administrator, Region II, and a copy to the NRC Resident Inspector, Watts Bar, within 30 days of the date of the letter transmitting this Notice of Violation (Notice). This reply should be clearly marked as a "Reply to a Notice of Violation" and should include for each violation: (1) the reason for the violation, or, if contested, the basis for disputing the violation, (2) the corrective steps that have been taken and the results achieved, (3) the corrective steps that will be taken to avoid further violations, and (4) the date when full compliance will be achieved. If an adequate reply is not received within the time specified in this Notice, an order or demand for information may be issued as to why the license should not be modified, suspended, or revoked, or why such other action as may be proper should not be taken. Where good cause is shown, consideration will be given to extending the response time.

Dated at Atlanta, Georgia
this 15th day of February 1995