ENCLOSURE 1

NOTICE OF VIOLATION

Tennessee Valley Authority
Watts Bar Unit 1

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

During the Nuclear Regulatory Commission (NRC) inspection conducted September 22 through October 19, 1990, two violations of NRC requirements were identified. In accordance with the "General Statement of Policy and Procedure for Enforcement Actions," 10 CFR Part 2, Appendix C (1990), the violations are listed below:

A. Part 50 of Title 10 of the Code of Federal Regulations, Appendix B, Criterion V, "Instructions, Procedures, and Drawings," is implemented in part by the Nuclear Quality Assurance Plan (NQAP), Paragraph 9.1.4.C which endorses ANSI N45.2 and states that activities affecting quality shall be prescribed by documented instructions, procedures, or drawings of a type appropriate to the circumstances and shall be accomplished in accordance with these instructions, procedures, or drawings.

The licensee's procedure WBN-CPI-8.1.8-E-102, "Installation of Low and Medium Voltage Power, Control and Instrumentation Cables," requires that immediately after pulling cables, the cable should be temporarily identified. Additionally, for spared or abandoned cables the ends shall be capped with a properly sized end cap.

In addition, the licensee's procedure WBN-GCI-8.1.05-01 C, "Work Control," requires that in-process identified deficiencies be evaluated against the CAQ criteria in AI-2.8.15, "Corrective Action - WBN," to determine if the as-found discrepancy meets the CAQ criteria and documented as a CAQR. If it does not meet the CAQ criteria, then the item should be corrected in accordance with the in-process work document.

Contrary to the above, three examples of failure to follow procedure were identified as described below:

(a) On September 14, 1990, the inspector identified seven installed cables that had been previously cut apart in a junction box without any identification on the cable or junction box that indicated authorized, unfinished work on the cables was in-progress.

(b) On September 15, 1990, the inspector identified a main steam generator pressure transmitter, previously installed by craft persons and accepted by Quality Control, which was electrically disconnected from its source such that it could not perform its function and was not tagged or otherwise identified to indicate that authorized work had occurred on the pressure transmitter.

(c) On July 25, 1990, during work activities associated with Work Plan KMO-8515 A-1, the inspectors found that licensee personnel had not properly documented a deficient condition in which the actual plant wiring configuration did not match the current approved wiring diagram (45B2772-4E) for the 480 Volt Control and Auxiliary Building Vital Board 2B1-B, Compartment 4E. In-process identified deficiencies are required to be documented and evaluated against the Conditions Adverse to Quality procedure to determine the correct method for resolution.

This is a Severity Level IV Violation (Supplement II) and applies to Unit 1.

B. Part 50 of Title 10 of the Code of Federal Regulations, Appendix B, Criterion XVI, "Corrective Action," is implemented in part by the Nuclear Quality Assurance Plan (NQAP), Paragraph 10.4 which endorses ANSI N45.2-1971 (Section 16) and requires that measures be established to assure that conditions adverse to quality, such as failures, malfunctions, deficiencies, deviations, defective material and equipment, and nonconformances are promptly identified and corrected.

Contrary to the above, nonconformances were not adequately corrected in a timely manner as described below:

(a) During the period October 9 through 18, 1990 the inspector determined that defects (rear plates fused to pipe) in box anchor supports, which were identified by the licensee in February 1986, had not been adequately evaluated and corrected in accordance with the ASME Code Section III. Specifically, the nonconforming rear plate welds were not evaluated in accordance with Section III NB3600, for maximum allowable stresses, and NB4400, for fabrication regarding welding qualification and nondestructive examination requirements.

(b) During the inspection period of September 22 through October 19, 1990, the inspector determined that for deficiencies in work control identified prior to October 1985, the required extensive follow-up reviews by the licensee to determine the extent of the condition and establish corrective action had not commenced five years after the deficiency was identified.

This is a Severity Level IV Violation (Supplement II) and applies to Unit 1.

Pursuant to the provisions of 10 CFR 2.201, Tennessee Valley Authority is hereby required to submit a written statement or explanation to the Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, DC 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. This reply should be clearly marked as a "Reply to a Notice of Violation" and should include [for each violation]: (1) admission or denial of the violation, (2) the reason for the violation if admitted, (3) the corrective steps which have been taken and the results achieved, (4) the corrective steps which will be taken to avoid further violations, and (5) the date when full compliance will be achieved.

Where good cause is shown, consideration will be given to extending the response time. If an adequate reply is not received within the time specified in this Notice, an order may be issued to show cause why the license should not be modified, suspended, or revoked or why such other action as may be proper should not be taken.

FOR THE NUCLEAR REGULATORY COMMISSION

Bruce A. Wilson, Chief
TVA Projects

Dated at Atlanta, Georgia
this 17th day of December 1990