

ENCLOSURE 1

NOTICE OF VIOLATION

Tennessee Valley Authority
Watts Bar Units 1 and 2

Docket Nos. 50-390 and 391
License Nos. CPPR-91 and CPPR-92

During an NRC inspection conducted August 16 through September 23, 1993, two violations of NRC requirements were identified. In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," 10 CFR Part 2, Appendix C, the violations are listed below:

- A. 10 CFR 50, Appendix B, Criterion XVII, Quality Assurance Records, requires, in part, that, "Sufficient records shall be maintained to furnish evidence of activities affecting quality. The records shall include at least the following: Operating logs and the results of reviews, inspections, tests, audits, monitoring of work performance, and materials analyses. The records shall also include closely related data such as qualifications of personnel, procedures, and equipment. Inspection and test records shall, as a minimum, identify the inspector or data recorder, the type of observation, the results, the acceptability, and the action taken in connection with any deficiencies noted. Records shall be identifiable and retrievable."

Nuclear Quality Assurance Plan, TVA-NQA-PLN89-A, Rev. 3, Section 6.3.2, QA Records Program Elements, requires, in part, that, "Sufficient records and documentation shall be prepared and maintained to provide evidence of the quality of items or activities affecting quality. QA records shall be legible, complete, and identifiable to the item involved."

Contrary to the above, the inspection records, which were prepared to document the installation of the Unit 1 Pressurizer Power Operated Relief Valves, did not adequately furnish evidence of activities affecting quality in that the records for each of these valves did not correctly reflect the vendor valve serial number stamped on the body of each of the valves. The incorrect records included the Flange Bolt Operation Sheets (QCP-1.42-1, Test Card 2), Initial Valve Installation Inspection (QCP-4.10-9, Test Card 70) and ASME N-5 Code Data Reports.

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

- B. 10 CFR 50, Appendix B, Criterion XVI, Corrective Action, requires, in part, that, "Measures shall 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."

Nuclear Quality Assurance Plan, TVA-NQA-PLN89-A, Rev. 3, Section 10.1, Adverse Conditions, requires that, "Measures shall be established to ensure that items that do not conform to requirements are controlled to prevent their inadvertent installation or use. Adverse conditions, including nonconforming items or nonhardware problems such as failure to comply with operating license, technical specifications, or procedures, shall be identified, evaluated, corrected, tracked, trended, and when required, reported to appropriate levels of management. Procedures or instructions implementing the corrective action program shall establish the criteria for documenting and tracking adverse conditions."

Contrary to the above, adequate measures to assure that conditions adverse to quality were not promptly identified, corrected and documented in that no instructions were issued to correct a bolting problem identified on Westinghouse Technical Bulletin NSID-TB-86-07 for the Centrifugal Charging and Safety Injection Pumps following issuance of the bulletin in 1987, even though corrective action was necessary as evidenced by licensee memorandum RIMS # L22870710800 dated July 10, 1987. Additionally, corrective action to replace the defective bolts addressed in the bulletin on the Centrifugal Charging Pumps was initiated in August, 1993, approximately seven years after bulletin issuance, only after maintenance problems concerning the bolting caused the problem to become self revealing. In addition, no action concerning the bulletin was initiated regarding the Safety Injection Pumps, following rediscovery of the existence of the bulletin after the maintenance problem on the Centrifugal Charging Pumps, until the issue was raised by the NRC inspection team in September, 1993.

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

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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 25th day of October 1993