

ENCLOSURE 1

NOTICE OF VIOLATION

Tennessee Valley Authority  
Watts Bar 1 and 2

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

During an NRC inspection conducted from August 19, 1989 through September 18, 1989, two violations were identified. In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," 10 CFR Part 2, Appendix C (1989), the violations are listed below:

- A. 10 CFR Part 50, Appendix B, Criterion V, "Instructions, Procedures And Drawings", requires in part, that activities "...shall be accomplished in accordance with these instructions, procedures, and drawings".
1. Contrary to the above, in June 1989, the licensee released commercially purchased solder for use without documenting the end use of this material. Administrative Instruction (AI)-5.4, Rev. 21, "Material Issue Transfer and Traceability" requires that TVA Form 575 identify the initial applicable work control document and any subsequent work control documents for end use identification.
  2. Contrary to the above, an unauthorized solder flux material, "RA" type flux, was utilized during the construction of ground braid connections. TVA specification G-38, Cable Installation, references MIL-STD-454. MIL-STD-454, Section 4.2.1 stipulates that fluxable material shall be type R or RMA as identified in Federal Standard QQ-S-571. Type RA flux is prohibited in the solder construction of ground braid connections.
  3. Contrary to the above, at the end of conduit 2-2PM-292-7265-D, measures were not taken to prevent cable damage. TVA specification G-40, Installing Electrical Conduit Systems and Conduit Boxes, paragraph 3.2.1.2, specifically states "a bushing, chase nipple, or conduit body shall be used at the end of a conduit where it terminates at a piece of equipment or cable tray or the end of the conduit shall be beveled or rounded to approximately a 1/16-inch radius or the end of the conduit shall be fitted with a collar."

This is a Severity Level IV Violation (Supplement II) and applies to Units 1 and 2.

- B. 10 CFR Part 50, Appendix B, Criterion XVII, "Quality Assurance Records", requires, in part, that "...Inspection and test records shall, as a minimum, identify the inspector...".

Contrary to the above, required quality assurance records do not clearly identify inspectors who performed quality control inspection activities during the cable installation inspection activities performed in 1979.

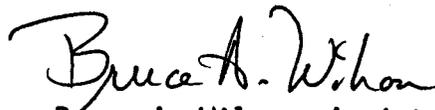
Tennessee Valley Authority  
Watts Bar 1 and 2

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

This is a Severity Level IV violation (Supplement II) and applies to Unit 1 and 2.

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 Associate Director for Special Projects, Office of Nuclear Reactor Regulation 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, Assistant Director  
for Inspection Programs  
TVA Projects Division  
Office of Nuclear Reactor Regulation

Dated at Atlanta, Georgia  
this 31<sup>st</sup> day of October 1989