

ENCLOSURE 1

NOTICE OF VIOLATION

Tennessee Valley Authority
Watts Bar Unit 1

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

During an NRC inspection conducted April 5 through April 23, 1993, 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 XVI, Corrective Action, states in part that measures shall be established to assure that conditions adverse to quality such as deficiencies, defective material and equipment, and nonconformances are promptly identified and corrected.

On March 18, 1981, NRC violation 390, 391/81-03-01 identified that freeze protection was not provided for motor bearing cooling lines. The documented response to the violation stated that corrective actions would be implemented by reworking these lines to obtain proper slope. Rework was accomplished/completed and the work package closed in 1982.

Significant Corrective Action Report (SCAR) No. WBP9000845CA, Revision 3, describes that the HVAC system for the Essential Raw Cooling System intake pumping structure (IPS) mechanical equipment rooms are not designed to assure that the room temperature can be maintained above 40 degrees F due to being non-safety related, non-seismically qualified, and non-IE powered. The SCAR was dispositioned based on calculations that addressed the reliability of offsite power sources, the maximum duration of loss of individual offsite sources, and the time until freezing temperatures are reached in the rooms.

Contrary to the above, conditions adverse to quality were not promptly corrected, in that:

1. As of April 23, 1993, the motor bearing cooling line slope deficiencies had not been corrected. The 1982 rework had not addressed the slope deficiency issue as required by the documented response to NRC violation 390, 391/81-03-01.
2. As of April 23, 1993, the corrective actions for SCAR WBP9000845CA failed to address freeze protection in the IPS as required by 10 CFR 50, Appendix A, Criterion XVII, Electric Power Systems, during a total loss of offsite power.

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

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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 11th day of August 1993