

NOTICE OF VIOLATION

Tennessee Valley Authority
Watts Bar Unit 1

Docket No.: 50-390
License No.: NPF-20

During an NRC inspection conducted December 3, 1995, through January 13, 1996, violations of NRC requirements were identified. In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," (NUREG 1600), the violations are listed below:

- A. Technical Specification 5.7.1.1 requires that written procedures shall be established, implemented, and maintained for activities recommended in Appendix A of Regulatory Guide 1.33, Quality Assurance Program Requirements, Revision 2, February 1978. This includes procedures required for the safe operation and maintenance of nuclear power plants including equipment surveillance instructions.

Site Standard Practice SSP-8.02, Surveillance Program, Revision 6, Section 2.5.3.A, requires, in part, that qualified personnel shall evaluate surveillance data and determine its acceptability against specified acceptance criteria. Failure to meet acceptance criteria which may affect operability of the affected equipment shall be immediately communicated to the main control room.

Contrary to the above:

1. On December 10, 1995, during performance of Surveillance Instruction 0-SI-0-3, Weekly Log, Revision 1, four of the eight 480 volt shutdown electrical board voltages were logged as 510 volts, above the maximum specified acceptance criteria of 508 volts. The readings were not recognized as being above the specified acceptance criteria, were not immediately communicated to the main control room, and actions to declare the equipment inoperable were not taken until the omission was discovered on December 13, 1995.
2. On December 31, 1995, during performance of Technical Requirements Instruction 1-TRI-30-1, Balance of Plant Temperature Monitoring Program, Revision 1, the licensee recorded north and south valve vault room temperatures which were below the minimum specified acceptance criteria on the temperature log sheet. The low temperature readings were not communicated to the main control room, and the appropriate actions were not taken at the time the readings were logged.

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

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- B. Technical Specification 5.7.1.1 requires that written procedures shall be established, implemented, and maintained for activities recommended in Appendix A of Regulatory Guide 1.33, Quality Assurance Program Requirements, Revision 2, February 1978. This includes procedures required for the safe operation and maintenance of nuclear power plants including equipment control instructions.

Site Standard Practice SSP-6.02, Maintenance Management System, Revision 16, Sections 2.5.4.H.4 and 2.4.2, requires, in part, additional planning of a work order if additional instruction is required to correct the malfunction during a troubleshooting activity. Site Standard Practice SSP-2.55, Procedure Use and Adherence, Revision 2, Section 2.2.1, requires the performer to read each step prior to performance of the step if a procedure is designated as "Continuous Use." Instrument Maintenance Instruction IMI-99.047, Solid State Protection System Train A Removal and Return to Service, Revision 0, is designated as a "Continuous Use" procedure.

Site Standard Practice SSP-2.55, Procedure Use and Adherence, Revision 2, Section 2.2.1, requires procedures designated as "Continuous Use" to be followed exactly in sequence. Surveillance Instruction 1-SI-99-201-A, Response Time Test of Reactor Trip Breaker Train A, Revision 0, is designated as a continuous use procedure.

Contrary to the above:

1. On December 25, 1995, the scope of troubleshooting Work Order 95-28700-00 was changed to add the removal and restoration of the A-train of the solid state protection system without additional planning being performed to include additional written instructions. Instrument Maintenance Instruction IMI-99.047 was not referenced by the performer prior to performing step 6.2.6, to place the main feedwater isolation reset switches in RESET before placing the input error inhibit switch in NORMAL when restoring the A-train of the solid state protection system to service. The step was consequently not performed as required and caused Feedwater Isolation to occur.
2. On December 26, while attempting to return equipment to normal and exit Surveillance Instruction 1-SI-99-201-A, technicians reversed the sequence of steps and performed step 6.2.12 in reverse by placing the input error inhibit switch back to the NORMAL position after it had previously been placed from the NORMAL to the INHIBIT position by step 6.2.12, causing a Feedwater Isolation to occur.

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

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.

Because your response will be placed in the NRC Public Document Room (PDR), to the extent possible, it should not include any personal privacy, proprietary, or safeguards information so that it can be placed in the PDR without redaction. However, if you find it necessary to include such information, you should clearly indicate the specific information that you desire not to be placed in the PDR, and provide the legal basis to support your request for withholding the information from the public.

Dated at Atlanta, Georgia
this 8th day of February 1996