

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 July 17 through August 20, 1994, 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 V, Instructions, Procedures, and Drawings, requires that activities affecting quality shall be prescribed by documented procedures and shall be accomplished in accordance with these procedures.

Tennessee Valley Authority Quality Assurance Plan NQA PLN89-A, Revision 4, paragraph 6.1.1, requires that quality-related activities shall be prescribed by documented procedures and instructions appropriate to the circumstances. Activities shall be accomplished in accordance with these procedures and instructions.

Site Standard Practice SSP-12.07, Housekeeping/Temporary Equipment Control, Revision 8, paragraph 2.2, Reporting/Correcting Deficiencies, requires that deficiencies (hardware problems) be reported on plant process equipment by work requests in accordance with Site Standard Practice SSP-6.02, Maintenance Management System, Revision 13.

Site Standard Procedure SSP-6.02, Appendix B, Entry 7, requires that a detailed description of the problem is to be entered, with as much information as possible, so that a work request can be adequately planned. Appendix B of Site Standard Practice SSP-6.02 also requires that the date be entered on the work request card.

Modification and Addition Instruction MAI-4.4B, Instrument and Instrument Panel Installation, paragraph 6.2.F, requires that instruments that mount by threaded connections and do not perform a pressure boundary function shall be installed in accordance with site engineering approved vendor drawings/manuals. Further, site engineering approved vendor manual WBN-VTD-F180-0230 requires the mounting bolts attaching environmentally qualified pressure transmitters 1-PT-1-27A, 1-PT-1-27B, 1-PT-1-2A, and 1-PT-1-2B, to their mounting brackets, be torqued to 40 ft lb.

Contrary to the above, on August 10 and 18, 1994, the following were identified:

1. A work request was not initiated to report a deficiency on plant process equipment, in that a missing conduit cover, damaged

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conductors, and loose mounting bolts were found on environmentally-qualified Pressure Transmitter 1-PT-1-27B.

2. A detailed description of a deficiency was not entered on Work Request C260816 which was placed on Pressure Transmitter 1-PT-1-27B. The work request stated, "Wiring insulation has nick" when, in fact, damage to the installed wire insulation was extensive and bare conductor strands were exposed.
3. Work Request C260852 was initiated to perform splice and wire inspections on environmentally-qualified Pressure Transmitters 1-PT-1-27A, 1-PT-1-2A, and 1-PT-1-2B. However, the work request did not contain a detailed description of the work scope or problem, and the work request was not dated.
4. A work request was not initiated to tighten the mounting hardware for Pressure Transmitter 1-PT-1-27B which was loose.
5. Environmentally-qualified Pressure Transmitters 1-PT-1-27A, 1-PT-1-27B, 1-PT-1-2A, and 1-PT-1-2B, which mount by threaded connections, were not installed in accordance with site engineering approved vendor drawings/manuals, in that, mounting bolts which attach the above-cited pressure transmitters to their respective mounting brackets were snug-tightened.

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

- B. 10 CFR 50, Appendix B, Criterion III, Design Control, requires that measures be established to assure that the design basis is correctly translated into specifications, drawings, procedures, and instructions. The measures shall also include provisions to assure that appropriate quality standards are specified and included in design documents.

Tennessee Valley Authority Quality Assurance Plan NQA PLN89-A, Revision 4, paragraph 7.2.5, requires that engineering requirements shall be identified in design output documents. In addition, it requires design control measures shall include criteria to ensure that adequate technical and quality requirements are incorporated prior to issuance of design output documents.

Contrary to the above, Engineering Change Notice 4214 specified the installation of undersized (1/4 inch) solenoid operated valves for reactor building purge isolation valves 1-FSV-30-2, -5, -12, -54A, -61A, and -62A. The change notice was implemented and resulted in the inability of the reactor building purge isolation valves to close within the required closure times.

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

With respect to Violation A, 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 Violation A: (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.

With respect to Violation B, no written response is required. The corrective actions associated with this violation have been completed and reviewed by the NRC.

Dated at Atlanta, Georgia
this 16th day of September 1994