

NOTICE OF VIOLATION

Tennessee Valley Authority
Watts Bar Unit 1

Docket No. 50-390
Construction Permit No.
CPPR-91

During an NRC inspection conducted on July 9 through August 5, 1995, a violation of NRC requirements was identified. In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," (60 FR 34381; June 30, 1995), the violation is listed below:

10 CFR 50, Appendix B, Criterion V, Instructions, Procedures, and Drawings, and TVA Nuclear Quality Assurance Plan TVA-NQA-PLN89A, Revision 4, Section 6.1, require that activities affecting quality be prescribed by documented instructions or procedures and be accomplished in accordance with these instructions or procedures.

Contrary to the above, activities affecting quality were not accomplished in accordance with documented instructions or procedures in the following examples:

1. TVA Site Standard Practice SSP-9.52, Initiating Design Change Notices, Revision 6, requires that design change notices be prepared to implement design changes to the plant.

TVA Site Standard Practice SSP-9.03, Plant Modification and Design Change Control, Revision 8, Section 2.2.D.1, states, in part, that the design output documents shall accurately reflect design requirements and shall be prepared, reviewed, and approved in accordance with the design engineering program.

Contrary to the above:

- Actuator housings for valves 1-MVOP-062-0061-B and 1-FCV-063-0005-B were modified on August 7, 1993, and May 19, 1995, respectively to correct valve actuator operational problems without an appropriate design change notice and without applying design control measures (Deficiency 95-202-04).
- As of June 9, 1995, no design output documents were provided to specify the calibration acceptance criteria for the solid state speed-sensing relays for standby diesel generator 2-GEN-082-0002B-B (Deficiency 95-202-01).

Enclosure 1

2. Vendor Technical Manual VTM DR04-0240, Revision 20, Dresser Rand Turbine Driven Auxiliary Feedwater Pump, specifies that the oil level be determined relative to an internal part, and a high and low oil level, 3/8-inch apart, be marked on the turbine lubricating oil sight glass. The manual further requires that the level be maintained between the high and low level mark.

TVA Design Change Notice Q-DCN 22832-A specifies a trip time of 50 milliseconds for Type AM-7.2-500 breakers.

Contrary to the above:

- As of June 1995, Work Order WO 95-00177-00 and Maintenance Instruction MI-1.003, Revision 2, did not prescribe the appropriate instructions as specified in the vendor manual VTM DR04-0240, Revision 20, for marking the low and high oil levels on the sight glass on the turbine driven auxiliary feedwater pump (Deficiency 95-202-05).
- As of June 9, 1995, Work Order 94-04878-00 did not specify the appropriate acceptance criteria for tripping time for circuit breaker WBN-O-BKR-569-4605016-S in accordance with Design Change Notice Q-DCN 22832-A (Deficiency 95-202-07).

3. TVA Site Standard Practice SSP-10.05, Technical Evaluation for the Procurement of Materials and Services, Revision 12, Section 2.3.3.A, requires, in part, that an equivalency evaluation be performed and documented to ensure that spare and replacement items are purchased to requirements equivalent to those specified for the original equipment (original design basis).

Contrary to the above, as of June 9, 1995, adequate quality of procured equipment was not assured in that cabinet cooling fans for the Class 1E 120 volt ac inverter 1-II were purchased and installed to nonsafety-related requirements without evaluating and documenting that the fans met the original design basis (Deficiency 95-202-11).

4. TVA Site Standard Practice SSP-3.04, Corrective Action Program, Revision 14, required that employees report discrepancies or problems on a problem evaluation report.

Contrary to the above, on May 25, 1995, maintenance personnel, who were replacing shaft seals on centrifugal charging pump 1B-B in accordance with Work Order 94-03644-00, did not promptly identify deficiencies for correction and did not write a problem evaluation report on the discrepancies and problems encountered (Deficiency 95-202-10).

This is a Severity Level 4 violation (Supplement II) (VIO-95-202-01).

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The NRC has concluded that information regarding the reason for the violation, the corrective actions taken and planned to correct the violation and prevent recurrence is already adequately addressed on the docket in your letter from Mr. R. Baron, dated August 16, 1995. However, you are required to respond to the provision of 10 CFR 2.201 if the description therein does not accurately reflect your corrective actions or your position. In that case, or if you choose to respond, clearly mark your response as a "Reply to a Notice of Violation," and send it 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 at Watts Bar, within 30 days of the date of the letter transmitting this Notice of Violation (Notice).

Dated at

this 18th day of September, 1995