

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 the Nuclear Regulatory Commission (NRC) inspection conducted on July 21 to August 20, 1986, violations of NRC requirements were identified. The violations involved failure to translate design requirements into specifications, drawings, procedures, or instructions and failure to follow Quality Control Procedures. In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," 10 CFR 2, Appendix C (1985), the violations are listed below:

- A. 10 CFR 50, Appendix B, Criterion III, as implemented by TVA's QA Topical Report, TVA-TR-75-1A, Rev. 8, paragraphs 17.1.3 and 17.2.3, requires that measures be established and implemented to ensure that regulatory and design bases requirements are correctly translated into specifications, drawings, procedures and instructions.
1. Contrary to the above, the American Switch Company (ASCO) Solenoid Valves Manual NP-1 requirements to orient solenoid valves, model 206.381, vertical and upright, were not translated into installation instructions. This failure resulted in installed equipment not meeting vendor requirements.
 2. Contrary to the above, seismic requirements of IEEE 344-1975, which requires the effects of electrical connections, conduit, and sensing lines, etc., be considered were not translated into installation instructions. This failure resulted in installed equipment, as referenced in Construction Deficiency Report (CDR) WBRD 50-390/86-59, not meeting regulatory requirements.

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

- B. 10 CFR 50, Appendix B, Criterion V, as implemented by TVA's QA topical Report TVA-TR-75-1A, Rev. 8, paragraphs 17.1.5 and 17.2.5, requires that activities affecting quality shall be prescribed by procedures of a type appropriate to the circumstances and shall be accomplished in accordance with these procedures.
1. Quality Control Procedure (QCP) L36, Revision 9, "Storage and House-keeping", requires that QC personnel remove deficiency tags after reinspection and closure of nonconforming items that have been corrected.

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Contrary to the above, on July 23, 1986, deficiency tags, for deficiency report number 36-Q-1285-48-2, were found on electric spools after the QC inspector verified the items as closed on May 12, 1986.

2. Quality Control Procedure 4.23, Appendix 4, Attachment A, "Visual Examination of Support Weld Joints," allows fillet weld in any continuous weld to underrun the nominal fillet size required by 1/16 inch for a maximum length of 10 percent of the weld.

Contrary to the above, on July 30, 1986, a weld on support 70-1CC-R725 was measured with a fillet weld undersized by 1/16 inch for 25 percent of the weld length.

3. Quality Control Procedure 3.06-7, Revision 7, "Inspection of Electrical and Instrumentation Equipment Installation", requires the QC inspector to verify the installation and installation methods are in accordance with applicable drawings. Drawing 47W600-29, Detail B-19 states that for Foxboro Transmitters Models E11DM and E11GM, only two 3/8 inch diameter holes shall be drilled on the support centerline.

Contrary to the above, on August 5, 1986, Foxboro Transmitters, Model E11DM, for transmitters 1-PT-105, 1-PDT-70-126 and 1-FCV-43-63D-B, were observed installed in the containment building with six additional holes placed in the structural member of the supports.

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

Pursuant to 10 CFR 2.201, TVA is hereby required to submit to this office within 30 days of the date of the letter transmitting this Notice, a written statement or explanation in reply, including (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) 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.

FOR THE NUCLEAR REGULATORY COMMISSION



Gary G. Zech, Director
TVA Projects

Dated at Atlanta, Georgia
this 28th day of October 1986