

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

The following violations were identified during an inspection conducted on August 19-23, 1985 and August 29, 1985. The Severity Levels were assigned in accordance with the NRC Enforcement Policy (10 CFR Code of Federal Regulations Part 2, Appendix C).

1. 10 CFR Appendix B, Criterion XIII, as implemented by Section 17.1.13 of the Final Safety Analysis Report (FSAR), requires that measures be established to control the storage and preservation of materials and equipment to prevent damage or deterioration. American National Standard Institute's (ANSI) standard N45.2.2-1972, "Packaging, Shipping, Receiving, Storage and Handling of Items for Nuclear Power Plants (During the Construction Phase)," paragraphs 2.7.3.c and 6.1.2.(3), require valves to be stored indoors in well ventilated buildings or equivalent enclosures, on pallets, or shoring to permit air circulation.

Contrary to the above, adequate measures had not been established to control the storage and preservation of material and equipment to prevent damage or deterioration, in that approximately ten American Society of Mechanical Engineers Boiler and Pressure Vessel (ASME B&PV) Code "N" stamped safety related valves were stored out doors. Some of these valves had no cover over them, some had partial cover (a tarp), and some were completely covered with a tarp; however, no provisions were made to reduce the degrading effects of condensation.

This is a Severity Level IV violation (Supplement II). A similar violation was identified during an inspection conducted on October 23-26, 1984, and reported in NRC Inspection Report 390/84-79 and 391/84-53.

2. 10 CFR Appendix B, Criterion V, as implemented by Section 17.1.5 of the FSAR, requires activities affecting quality be accomplished in accordance with documented procedures and drawings. TVA Specification N3M-914, Rev. 2, "Quality Assurance Requirements for Construction, Construction Testing, and Inspection of Safety-Related HVAC Systems", has been identified as the applicable document for the installation of the ventilating system for the 480V Auxiliary Board Room in the Additional Diesel Generator Building. TVA specification N3M-914, Appendix A, Paragraph b.4 states in part: "All bolts shall show no evidence of being slack..." TVA Drawing 47A055-41A Rev. 0, SVS No. H-055-41-1 and Process Specification O.C.1.1.(RO) page 20 of 21, have been identified as the applicable documents for the fabrication, installation and inspection of Heating Ventilation and Air Conditioning (HVAC) support 0030-DW-910-03H-2985. TVA Drawing 47A055-41A, Elevation, requires the center to center distance between the horizontal member and diagonal strut, where they intersect the wall, to be 30-inches.

TVA Drawing 47A055-41A, Section C-C, requires fillet welds on both sides of the diagonal strut.

Contrary to the above, craftsman failed to follow drawing and procedure requirements for the fabrication and installation of HVAC ductwork and supports. Inspectors failed to identify those nonconforming conditions, which resulted in acceptance of a nonconforming system. The above is evidenced by the following, which was noted on completed, inspected and accepted work:

- a. Five nuts and bolts on three duct flange connections between balancing damper 0-30-644 and fire damper 0-30-653 were loose.
- b. On Support 0030-DW-910-03H-2985, the fillet weld shown on SVS No. H-055-41-1, Section C-C, connecting the south horizontal member to diagonal strut is undersize.
- c. On Support 003-DW-910-03H-2985, the center to center distance between the horizontal member and diagonal strut where they intersect the wall is 18 inches.
- d. On Support 0030-DW-910-03H-2985, the weld joint connecting the horizontal member and diagonal strut is a fillet weld, welded on one side only.

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

Pursuant to Title 10 CFR 2.201, you are required to submit to this office within 30 days of the date of this Notice, a written statement or explanation in reply, including: (1) admission or denial of the alleged violations; (2) the reasons for the violations 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.

Security or safeguards information should be submitted as an enclosure to facilitate withholding it from public disclosure as required by 10 CFR 2.790(d) or 73.21.

Date: SEP 25 1985