

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 October 23 - 26, 1984. The Severity Levels were assigned in accordance with the NRC Enforcement Policy (10 CFR Part 2, Appendix C).

1. 10 CFR 50, Appendix B, Criterion XIII, as implemented by FSAR Section 17.A.1.13, requires that measures be established to control the storage and preservation of materials and equipment to prevent damage or deterioration. As implemented by the TVA QA program, ANSI N45.2.2-1972, "Packaging, Shipping, Receiving, Storage and Handling of Items for Nuclear Power Plants (During the Construction Phase)" paragraph Nos. 2.7.4(9) and 6.1.2(4), require piping assemblies to be stored upon curbing to avoid trapping water. ANSI N45.2.2, Appendix A.3.5.2(3), as amended by Regulatory Guide 1.38, paragraph C.2.d, requires tape to be colored to contrast with materials on which they are used.

Contrary to the above, adequate measures had not been established to control the storage and preservation of piping materials in that the following was noted:

- Approximately 25 examples of safety-related piping and piping assemblies off curbing and in contact with the ground.
- The approved tape for use on austenitic materials is silver gray in color, close to the color of austenitic stainless steel.

This is a Severity Level V violation (Supplement II)

2. 10 CFR 50, Appendix B, Criterion IX, as implemented by FSAR Section 17.A.1.9 requires that measures be established to assure control of special processes, including nondestructive testing and welding. TVA-WBNS Drawing 47A053-145 and SVS No. H-53-145-94 require the 4"x4"x $\frac{1}{2}$ " tube steel to base plate weld to be $\frac{1}{2}$ -inch fillet weld. ASME, Section III, Code Case N-127 of February 14, 1983, has been identified as applicable to a portion of the sampling system that was welded with Detail Welding Procedure GTA-88-S-2 supported by Welding Procedure Qualification Record GTA-88-S-2. Code Case N-127, paragraph 5, requires welding travel speed specified in the Detail Welding Procedure not vary by more than $\pm 10\%$ of the welding travel speed documented in the Welding Procedure Qualification Record.

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Contrary to the above, adequate measures to control welding and nondestructive examination had not been established as evidenced by the following:

- a. The completed inspected and accepted fillet weld connecting the 4"x4"x $\frac{1}{4}$ " tube steel to base plate on pipe support No. 1062-555-7-40-13, as shown on TVA Drawing 47A053-145 and SVS No. H-53-145-94, was noted to be smaller than $\frac{1}{4}$ -inch.
- b. The welding travel speed specified in Detail Welding Procedure GTA-88-S-2 varies by more than 10% from the welding travel speed documented in Welding Procedure Qualification Record GTA-88-S-2.

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

Pursuant to 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 10 CFR 73.21.

Date: NOV 14 1984