



Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381

William J. Museler
Site Vice President
Watts Bar Nuclear Plant

MAR 08 1993

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of the Application of)	Docket Nos. 50-390
Tennessee Valley Authority)	50-391

WATTS BAR NUCLEAR PLANT (WBN) - NRC INSPECTION REPORT NO. 390, 391/93-08 -
REPLY TO NOTICE OF VIOLATION

This letter responds to Inspection Report 390, 391/93-08 dated February 12, 1993, which identified one Severity Level IV violation. The subject violation, 390/93-08-01, identified a failure to mark temporary attachment welds as required by the procedure before their removal. The enclosure to this letter addresses the violation described in the subject inspection report and the corrective actions taken by TVA.

If you have any questions, please telephone P. L. Pace at (615) 365-1824.

Very truly yours,

William J. Museler

Enclosure
cc: See page 2

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U.S. Nuclear Regulatory Commission
Page 2

MAR 08 1993

cc (Enclosure):

NRC Resident Inspector
Watts Bar Nuclear Plant
P.O. Box 700
Spring City, Tennessee 37381

Mr. P. S. Tam, Senior Project Manager
U.S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Rockville, Maryland 20852

Mr. B. A. Wilson, Project Chief
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

ENCLOSURE
WATTS BAR NUCLEAR PLANT UNIT 1
RESPONSE TO NRC'S FEBRUARY 12, 1993 LETTER TO TVA
NRC VIOLATION 390/93-08-01

DESCRIPTION OF VIOLATION 390/93-08-01

10 CFR, Part 50, Appendix B, Criterion V, requires activities affecting quality be accomplished in accordance with procedures. Procedure SSP-7.50, Revision 5, "Controlling of WBS Processes," paragraph 5.2.1.E.4 requires the craft to mark all temporary attachment welds prior to the removal of those welds, to assure that the required Nondestructive Examination will be performed at the weld removal locations after the removal of the temporary attachment welds.

Contrary to the above, activities affecting quality were not accomplished in accordance with procedures as evidenced by the following example.

Weld Nos. 1-62B-D036-28 and 1-62B-D036-29, in the Chemical and Volume Control System, were held in alignment during weld joint fitup, with bridging bars temporarily welded to each side of the weld joint. After tack welding the weld joints, the bridging bars and their associated temporary attachment welds were removed without the welds first being marked.

ADMISSION OR DENIAL OF THE VIOLATION

TVA admits the violation occurred as stated.

REASON FOR VIOLATION

The subject violation occurred as the result of a craftsmen's failure to implement the procedural requirements for the identification of temporary attachments. A contributing factor in this violation was the craftsman's reliance upon the liquid penetrant test requirements for butt welds. The liquid penetrant procedure requires the base metal for 1 inch on each side of the weld be included in the test. This requirement to inspect 1 inch on each side of the weld was previously added to the procedure in response to Violation 391/80-13-01 to provide additional assurance that temporary attachment locations were inspected.

CORRECTIVE ACTIONS TAKEN AND RESULTS ACHIEVED

The subject temporary attachment areas were marked and subsequently liquid penetrant inspected and accepted by Quality Control. The failure to identify temporary attachment areas was only identified in conjunction with fitups. Temporary attachments used outside of the 1 inch area were being marked as required by the procedure. TVA has provided specific instructions and training to welding and inspection personnel re-emphasizing the code/site requirements for the identification of temporary attachments. Recent inspections have verified that temporary attachments are being identified in accordance with the procedure.

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CORRECTIVE STEPS WHICH WILL BE TAKEN TO AVOID FURTHER VIOLATION

No further steps beyond those discussed above are considered necessary.

DATE WHEN FULL COMPLIANCE WILL BE ACHIEVED

TVA is currently in full compliance.