



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

MAY 09 1996

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

Gentlemen:

In the Matter of the ) Docket No. 50-390  
Tennessee Valley Authority )

WATTS BAR NUCLEAR PLANT (WBN) - UNIT 1 - AMERICAN SOCIETY OF  
MECHANICAL ENGINEERS (ASME) SECTION XI INSERVICE INSPECTION (ISI)  
PROGRAM - TAC NUMBER M-76881

The purpose of this letter is to submit the WBN ISI Program to  
NRC for review and approval in accordance with ASME Code, Section  
XI, "Rules for Inservice Inspection of Nuclear Power Components,"  
Article IWA-1400(c).

Relief from certain ASME Section XI inservice inspection and  
testing requirements for snubbers was previously requested by TVA  
letter dated February 7, 1996. That request was for exemption of  
Code Class 1, 2, and 3 snubbers from portions of the requirements  
of IWF-5000 of the 1989 Edition of the ASME Section XI code.

The parts of the program contained in the enclosures to this  
submittal are as follows:

Enclosure 1 contains procedures that implement the Unit 1 ASME  
Section XI ISI NDE Program. The procedures are Site Standard  
Practice (SSP) 6.10, Revision 5, "ASME Section XI ISI/NDE and  
Augmented Nondestructive Examination Programs and Technical

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Requirements Instruction 1-TRI-0-10, Revision 0, "ASME Section XI ISI/NDE Program." Included in Appendix K of 1-TRI-0-10 is a request for relief to use a nominal pipe size (NPS) 1 inch and smaller exemption for examination of Auxiliary Feedwater integral attachments. In addition, Code Case N-509, "Alternative Rules for the Selection and Examination of Class 1, 2, and 3 Integrally Welded Attachments," and Code Case N-524, "Alternative Examination Requirements for Longitudinal Welds in Class 1 and 2 piping," will be used during implementation of the ISI Program pending NRC approval.

Enclosure 2 contains the ASME Section XI ISI System Pressure Test Program. Included in Appendix A of the program are requests for relief concerning (1) the 10-year hydrostatic pressure test requirements for Class 1, 2, and 3 systems, (2) the pressure test requirements for welded repairs or installation of replacement items by welding, (3) the bolting examination (VT-3) subsequent to flange leakage occurring during a system pressure test, (4) pressure testing of non-safety system process piping in a containment penetration, (5) pressure testing of Class 1 components, (6) the removal of Code Class 1 bolted connection insulation for VT-2 examinations, and (7) the requirements for qualification of VT-2 examination personnel (the request includes alternative requirements for qualification).

Enclosure 3 contains the procedure for implementing the Inservice ASME Section XI ISI Steam Generator Inspection Program. Surveillance Instruction 1-SI-68-907, "Steam Generator Tubing Inservice Inspection and Augmented Inspections." This instruction contains the program details and requirements for performing the first 10-year ISIs of steam generator (S/G) tubing for WBN Unit 1. The S/G Program is an integrated program which includes implementation of requirements for both ASME Section XI and the Watts Bar Technical Requirements Manual.

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If you should have any questions, contact P. L. Pace at  
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Sincerely,



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and Licensing Manager

Enclosures

cc (Enclosures):

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**Enclosure 1**  
**NON-DESTRUCTIVE EXAMINATION PROGRAM**