



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

October 13, 2010

10 CFR 50.4(b)(6)
10 CFR 50.34(b)
10 CFR 2.390(d)(1)

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Watts Bar Nuclear Plant, Unit 2
NRC Docket No. 50-391

Subject: Watts Bar Nuclear Plant (WBN) Unit 2 - Response to Request for Additional Information Regarding the Preservice Inspection Program Plan (TAC Nos. ME4074 and ME3113)

Reference: 1. Letter from NRC to TVA, "Watts Bar Nuclear Plant, Unit 2 - Request for Additional Information from the Component Performance and Testing Branch Regarding Preservice Inspection Program Plan (TAC No. ME3113)," dated September 28, 2010 [ADAMS Accession No. ML102630535]

By letter dated June 17, 2010 (ADAMS Accession No. ML101680561), TVA submitted the Preservice Inspection Program Plan as part of the Final Safety Analysis Report for WBN, Unit 2. The NRC staff reviewed the information provided by TVA.

In a letter to TVA dated September 28, 2010 (Reference 1), the NRC provided a Request for Additional Information (RAI) needed to complete the NRC staff review. This letter provides the response to that RAI.

Enclosure 2 contains the new Regulatory Commitment contained in this submittal. If you have any questions, please contact Bill Crouch at (423) 365-2004.

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 13th day of October, 2010.

Sincerely,

Masoud Bajestani
Watts Bar Unit 2 Vice President

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Enclosure:

1. Response to RAI Regarding the Preservice Inspection Program Plan
2. List of New Regulatory Commitments

cc (Enclosures):

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ENCLOSURE 1

Response to RAI Regarding the Preservice Inspection Program Plan

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The Nuclear Regulatory Commission (NRC) staff has reviewed and evaluated the information submitted by Tennessee Valley Authority (the licensee) in its letter dated June 17, 2010 (Agencywide Documents Access and Management System Accession No. ML101680561), in which the licensee proposed its Preservice Inspection (PSI) Program Plan in accordance with Title 10 of the Code of Federal Regulations (10 CFR), Section 50.55a for Watts Bar Nuclear Plant (WBN), Unit 2. The licensee requested NRC to review its proposed PSI Program Plan for WBN, Unit 2 to the American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code), Section XI inspection requirements. The applicable ASME Code, Section XI code of record for the WBN, Unit 2 PSI Program Plan is the 2001 Edition through the 2003 Addenda.

In Section 3.4.1.4, the licensee stated that "[t]he IWF-5000 requirements for preservice examination and testing of snubbers will be performed using Subsection ISTD of the ASME/ANSI OM Code 2001 Edition through 2003 OMB Addenda, as permitted by 10 CFR 50.55a(b)(3)(v). Examination shall be performed using the VT-3 visual examination method described in IWA-2213." A similar statement is made in Section 3.18.3.

Please explain what WBN procedures or part of the ASME OM Code Subsection ISTD will be used for snubbers inservice visual examination and testing, because the submittal only includes various WBN procedures for visual examination and nondestructive examination related to ASME Section XI.

Response: TVA will issue a Temporary Change to Nondestructive Examination (NDE) Procedure N-VT-1 to perform VT-3 examination of snubbers in accordance with the criteria specified in ASME/ANSI OM Code 2001 Edition through 2003 OMB Addenda. The temporary change will implement the preservice examination requirements of ISTD-4100, "Preservice Examination." TVA has utilized this process in the past at another nuclear site for performance of VT-3 examination of snubbers.

Testing of mechanical snubbers will be performed by a vendor (to be selected) utilizing their snubber testing program and procedures to meet the criteria specified in ASME/ANSI OM Code 2001 Edition through 2003 OMB Addenda. The snubber testing requirements will implement ISTD-5100, "Preservice Operational Readiness Testing."

ENCLOSURE 2

List of New Regulatory Commitments

Tennessee Valley Authority - Watts Bar Nuclear Plant - Unit 2, Docket No. 50-391

1. By November 19, issue a Temporary Change to Nondestructive Examination (NDE) Procedure N-VT-1 to perform VT-3 examination of snubbers in accordance with the criteria specified in ASME/ANSI OM Code 2001 Edition through 2003 Omb Addenda. The temporary change will implement the preservice examination requirements of ISTD-4100, "Preservice Examination."