



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

January 25, 2018

10 CFR 50.4  
10 CFR 50.55(a)

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

Watts Bar Nuclear Plant, Unit 2  
Facility Operating License No. NPF-96  
NRC Docket No. 50-391

**Subject: Watts Bar Nuclear Plant Unit 2 – Completion of Action Required in Response to NRC Bulletin 2004-01: Inspection of Alloy 82/182/600 Materials Used in the Fabrication of Pressurizer Penetrations and Steam Space Piping Connections at Pressurized-Water Reactors**

Reference: TVA letter to NRC, "Watts Bar Nuclear Plant (WBN) - Unit 2 - Initial Responses to Bulletins and Generic Letters," dated September 7, 2007 (ML072570676)

In the referenced letter, the Tennessee Valley Authority (TVA) provided information on how the Watts Bar Nuclear Plant (WBN) Unit 2 would meet the requirements of Nuclear Regulatory Commission (NRC) Bulletin 2004-01, Items 1(c) and 2. Specifically, for Item 1(c), the referenced letter stated:

"TVA will perform a bare metal visual (BMV) inspection of the upper pressurizer Alloy 600 locations at the first refueling outage. This inspection will be performed utilizing the "in-house" procedure titled "Visual Inspection of Alloy 600/82/182 Pressure Boundary Components." In accordance with plant procedures, personnel performing the inspection will be certified NDE inspectors qualified in the ASME Section XI, VT-2 method. The extent of examination will be 100 percent of each weld circumference and will be documented on written reports which may include photographs or video."

Accordingly, during the first WBN Unit 2 refueling outage, TVA performed a direct Visual Examination (VE) of the bare-metal surface of the upper pressurizer Alloy 600 locations and the surge line connection on the bottom of the pressurizer. The qualified examiners (i.e., certified NDE inspectors qualified in the ASME Section XI, VT-2 method) obtained 100 percent coverage of the required examination area and the extent of the examination was properly documented.

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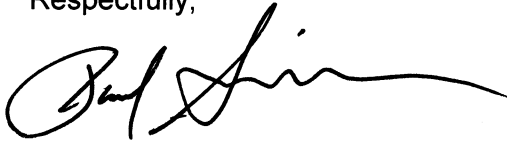
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Regarding Bulletin 2004-01, Item (2), the visual examination identified no leakage, no areas of corrosion resulting from leakage and no crack-like indications. The examination was performed at a distance of less than four feet.

This summary complies with the requirement of NRC Bulletin 2004-01 Item 2 to report the results of this inspection to NRC within 60 days of completion of the first WBN Unit 2 refueling outage.

There are no new regulatory commitments in this letter. Should you have questions regarding this submittal, please contact Kim Hulvey, Manager of Watts Bar Site Licensing, at (423) 365-7720.

Respectfully,

A handwritten signature in black ink, appearing to read "Paul Simmons", written in a cursive style.

Paul Simmons  
Site Vice President  
Watts Bar Nuclear Plant

cc:

NRC Regional Administrator - Region II  
NRC Senior Resident Inspector - Watts Bar Nuclear Plant  
NRR Project Manager - Watts Bar Nuclear Plant