June 10, 2008

Mr. Ashok S. Bhatnagar
Senior Vice President
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6A Lookout Place
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Chattanooga, TN 37402-2801

SUBJECT: WATTS BAR NUCLEAR PLANT, UNIT 2 – REQUEST FOR ADDITIONAL INFORMATION REGARDING BULLETIN NO. 2003-02 (TAC NO. MD6713)

Dear Mr. Bhatnagar:

By letter dated September 7, 2007, the Tennessee Valley Authority (TVA) submitted responses to several bulletins (BLs) and generic letters. The Nuclear Regulatory Commission (NRC) staff has reviewed TVA's response to BL 2003-02, "Leakage from Reactor Pressure Vessel (RPV) Lower Head Penetrations and Reactor Coolant Pressure Boundary Integrity."

After reviewing the information provided by TVA, the NRC staff has determined that additional information is required in order to complete the evaluation. The specific information is delineated in the enclosure to this letter.

This request for additional information (RAI) was discussed with representatives of your staff on June 9, 2008. It was agreed that a response would be provided within 45 days from the date of this letter.

If you have questions regarding this request, please contact me at 301-415-1457.

Sincerely,

/RA/

Patrick D. Milano, Senior Project Manager
Watts Bar Special Projects Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-391

Enclosure:
RAI

cc w/encl: See next page

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Ashok S. Bhatnagar
Tennessee Valley Authority

WATTS BAR NUCLEAR PLANT

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Request for Additional Information

Watts Bar Nuclear Plant, Unit 2

Response to Generic Letter 2003-02 Pertaining to

Reactor Vessel Lower Head Integrity

Docket No. 50-391

By letter dated September 7, 2007 (ADAMS Accession No. ML072570676), the Tennessee Valley Authority (TVA) submitted its responses to several bulletins (BL) and generic letters for Watts Bar Nuclear Plant, Unit 2 (WBN-2). The Nuclear Regulatory Commission (NRC) staff has TVA's response to BL 2003-02, "Leakage from Reactor Pressure Vessel (RPV) Lower Head Penetrations and Reactor Coolant Pressure Boundary Integrity," which was provided as Attachment 5 to the letter. The purpose of the Bulletin was to request information from the industry related to the structural integrity of the reactor pressure vessel lower head penetrations at pressurized-water reactor facilities. In order for the staff to complete its review of the BL response, the following information is needed:

1. Provide the qualification requirements for the inspectors who will perform the VT-2 visual examinations.

2. State whether bare metal visual (BMV) examinations will be conducted on the circumference of all of the 58 RPV lower head penetrations during the first refueling outage at WBN-2.

3. Provide information addressing the type of the corrective action that will be taken if any evidence of general corrosion of the RPV lower head or any discoloration of the alloy 600 penetrations is identified during the BMV examinations.

4. Provide information regarding the type of cleaning that may be required to remove any corrosion products on the RPV lower head or on the alloy 600 penetrations.

5. Provide information regarding the type of examination (i.e., direct or remote visual method using remotely controlled equipment) that will be used to perform the BMV examinations of each RPV lower head penetration.

6. Provide the type of documentation (e.g., written report, video record, photographs) that will be generated to record the BMV examinations of the RPV lower head penetrations.

7. Describe any design or maintenance improvements that TVA has evaluated to improve the performance of future inspections after operation?

Enclosure