September 28, 2010

Mr. Ashok S. Bhatnagar
Senior Vice President
Nuclear Generation Development
and Construction
Tennessee Valley Authority
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

SUBJECT: WATTS BAR NUCLEAR PLANT, UNIT 2 – REQUEST FOR ADDITIONAL INFORMATION REGARDING FINAL SAFETY ANALYSIS REPORT AMENDMENT RELATED TO SECTIONS 3.2 AND 5.2 (TAC NOS. ME2731 AND ME3091)

Dear Mr. Bhatnagar:

By letters dated November 24, 2009 and January 11, 2010 (Agencywide Documents Access and Management System Accession Nos. ML093370275 and ML100191426), the Tennessee Valley Authority (TVA) submitted Final Safety Analysis Report (FSAR) Amendment Nos. 95 and 97, respectively, for Watts Bar Nuclear Plant, Unit 2. The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed the information provided by TVA in FSAR Amendment Nos. 95 and 97.

In an effort to complete the NRC staff review, enclosed is a request for additional information regarding FSAR Sections 3.2, 5.2.1.3, and 5.2.1.4.

A response is required by October 8, 2010.

If you should have any questions, please contact me at 301-415-2048.

Sincerely,

/RA/

Justin C. Poole, Project Manager
Watts Bar Special Projects Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-391

Enclosure:
Request for Additional Information

cc w/encl: Distribution via Listserv

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JBillerbeck, NRR

ADAMS Accession No. ML102630598 *via memo

OFFICE	LPWB/PM	LPWB/LA	EMCB/BC	OGC	LPWB/BC
NAME	JPoole	BClayton	MKhanna*	DRoth	SCampbell
DATE	09 / 21 /10	09 / 21 /10	9/9/10	09 / 27 /10	09 / 28 /10

OFFICIAL AGENCY RECORD

REQUEST FOR ADDITIONAL INFROMATION

WATTS BAR NUCLEAR PLANT, UNIT 2

FINAL SAFETY ANALYSIS REPORT AMENDMENTS 95 AND 97

TENNESSEE VALLEY AUTHORITY

DOCKET NO. 50-391

EMCB RAI 3.2-1

The Nuclear Regulatory Commission (NRC) staff noted a number of instances in the review of Section 3.2 and corresponding tables and figures of Amendment 95 to the Watts Bar Nuclear Plant (WBN), Unit 2, Final Safety Analysis Report (FSAR) (Reference 1), where editorial modifications may be necessitated in subsequent revisions to the WBN, Unit 2 FSAR. Please review the following NRC staff notations and rectify, as necessary.

1) In Table 3.2-2, page 9, of Reference 1, 'Upper Containment' and 'CRDM & Instrument Room Cooling' appear not to be components themselves, but rather equipment location/ category headings. If these are in fact headings, then shouldn't the information columns be blank?

2) In Table 3.2-2, pages 11 and 12, of Reference 1, was it intentional to delete the 'Rad Source' column information for the Main Steam Relief Valves and Safety Valves when relocating them in Table 3.2-2 from page 12 to page 11? If not, then this information should be restored.

3) In Table 3.2-2, page 12, of Reference 1, the 'TVA/ANS Safety Class' column information is missing for the Spent Fuel Purification Pumps.

4) In Table 3.2-2, page 17, of Reference 1, the 'Seismic' column information is missing for 'Essential Raw Cooling Water System Discharge Header Air Release Valves & Piping.'

EMCB RAI 5.2.1.4-1

In using Code Case 1423-2 for Reactor Coolant Piping/Branch Nozzles, as shown in Table 5.2-8, page 3, of Reference 2, did Tennessee Valley Authority implement the limitations and modifications identified in Regulatory Guide (RG) 1.84 for use of this code case? If not, then please provide a supporting justification/basis for not implementing the limitations and modifications identified in RG 1.84 for the use of Code Case 1423-2. Also, in Section 5.2.1.4 of Reference 2, the Class 1 Code Case List does not include Code Case 1423-2 for Reactor Coolant Piping, even though this Code Case is mentioned in Table 5.2-8. Please confirm whether this Code Case will be added in Section 5.2.1.4 for completeness.

References

1) Letter from M. Bajestani, Tennessee Valley Authority, to NRC Document Control Desk, "Watts Bar Nuclear Plant (WBN) – Unit 2 – Final Safety Analysis Report (FSAR), Amendment 95," dated November 24, 2009. (ADAMS Accession Nos.: ML093370275 (letter), ML093370582 (Section 3.0 – 3.5.A-4))

2) Letter from M. Bajestani, Tennessee Valley Authority, to NRC Document Control Desk, "Watts Bar Nuclear Plant (WBN) – Unit 2 – Final Safety Analysis Report (FSAR), Amendment 97," dated January 11, 2010. (ADAMS Accession Nos.: ML100191421 (letter), ML100200448 (Section 5 thru page 5.6-7))