

June 11, 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 LICENSEE’S FINAL SAFETY ANALYSIS
REPORT AMENDMENT RELATED TO ACCIDENT DOSE (TAC NO. ME3091)

Dear Mr. Bhatnagar:

By letter dated January 11, 2010 (Agencywide Document Access and Management System Accession No. ML100191686), to the U.S. Nuclear Regulatory Commission (NRC), the Tennessee Valley Authority provided an update (Amendment No. 97) to the Final Safety Analysis Report (FSAR) for the Watts Bar Nuclear Plant (WBN), Unit 2. This update contained changes to a number of sections of the WBN Unit 2 FSAR, including Section 15.5, “Environmental Consequences of Accidents.” The NRC staff has reviewed this section and has identified additional information that is needed to complete the technical review of the operating license application.

A response is required within 30 days of receipt of this letter.

If you should have any questions, please contact me at 301-415-1457.

Sincerely,

/RA/

Joel S. Wiebe, Senior 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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ADAMS Accession No. ML101540133

*via memo

OFFICE	LPWB/PM	LPWB/LA	AADB/BC	OGC- NLO	LPWB/BC
NAME	JWiebe	BClayton	TTate*	DRoth	SCampbell
DATE	06/07/10	/ /10	5/27/10	06/10/10	06 / 11 /10

OFFICIAL AGENCY RECORD

REQUEST FOR ADDITIONAL INFORMATION
WATTS BAR NUCLEAR PLANT, UNIT 2
FINAL SAFETY ANALYSIS REPORT AMENDMENT NO. 97
TENNESSEE VALLEY AUTHORITY
DOCKET NO. 50-391

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1. To ensure a complete and accurate safety assessment of the proposed changes to the Watts Bar FSAR, the NRC staff needs to assess the safety significance of all of the changes to the current licensing basis (CLB) parameters used in the dose consequence analyses described in Chapter 15.5.

Please provide additional information describing, for each design basis accident described in FSAR Section 15.5, all the basic parameters used in the dose consequence analyses. For each parameter, please list the WBN Unit 1 CLB value, the revised value where applicable as will be applied to both WBN Units 1 and 2, and the basis for any changes made to the WBN Unit 1 CLB values. The NRC staff requests that this information be presented in separate tables for each accident evaluated.

ENCLOSURE