



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

John A. Scalice  
Site Vice President, Watts Bar Nuclear Plant

MAR 27 1997

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

Gentlemen:

In the Matter of )  
Tennessee Valley Authority ) Docket No. 50-390

WATTS BAR NUCLEAR PLANT (WBN) - PROPOSED LICENSE AMENDMENT -  
CYCLE 2 CORE RELOAD CHANGES - TECHNICAL SPECIFICATION CHANGE NO.  
96-013

The purpose of this letter is to request that Appendix A of Facility Operating License NPF-90, Watts Bar Unit 1 Technical Specifications (TSs), be amended in accordance with 10 CFR 50.90 to address Cycle 2 core design changes and provide operational enhancements for reactor trip setpoints. This amendment contains two parts. The first part requires an increase in the containment sump boron concentration during a Large Break Loss of Coolant Accident (LBLOCA) event. The second part changes the OTAT and OPAT reactor trip setpoints to address conditions experienced during Cycle 1.

A description of each part of the proposed amendment, and the basis for them, are included in Enclosure 1. TVA's analysis of significant hazards considerations, as required by 10 CFR 50.91(a), is included in Enclosure 2. Proposed revised TS pages are included in Enclosure 3.

Westinghouse has provided to TVA in Enclosure 4 accident analysis data for selected non-LOCA events. Enclosure 5 provides the Revised Thermal Design Procedure (RTDP). Part A of Enclosures 4 and 5 contain information proprietary to Westinghouse. Part B of these same enclosures contain the non-proprietary version of these

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documents. Accordingly, Enclosure 6 includes a Westinghouse Application for Withholding Proprietary Information from Public Disclosure, and an accompanying Affidavit signed by Westinghouse, the owner of the information. Also included are a Proprietary Information Notice and a Copyright Notice. The affidavit sets forth the basis on which the information may be withheld from public disclosure by the Commission, and addresses with specificity the considerations listed in paragraph (b)(4) of 10 CFR 2.790 of the Commission's regulations. TVA requests that the Westinghouse proprietary information be withheld from public disclosure in accordance with 10 CFR 2.790.

Correspondence regarding the proprietary aspects of the Westinghouse report listed above, the Copyright Notice, or the supporting affidavit, should reference Westinghouse letters CAW-97-1087 and CAW-97-1088 and be addressed to N. J. Liparulo, Manager of Equipment Design and Regulatory Engineering, Westinghouse Electric Corporation, P. O. Box 355, Pittsburgh, Pennsylvania 15230-0355.

Enclosure 7 provides a list of commitments made in this submittal.

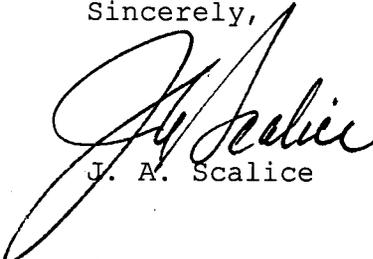
TVA is prepared to meet with the staff at its earliest convenience to discuss this amendment request and respond to staff questions on the basis of the amendment.

The proposed amendment has been reviewed and approved by the Watts Bar Plant Operations Review Committee and Nuclear Safety Review Board.

In accordance with 10 CFR 50.91(b)(1), a copy of this proposed license amendment is being forwarded to the state designee for the State of Tennessee.

If you should have any questions, please contact P. L. Pace at (423) 365-1824.

Sincerely,

  
J. A. Scalice

Sworn to and subscribed before me  
this 27th day of March 1997

E. Jeannette Long  
Notary Public

My Commission Expires July 1, 1997

Enclosures

cc: See page 3

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cc (Enclosures):

NRC Resident Inspector  
Watts Bar Nuclear Plant  
1260 Nuclear Plant Road  
Spring City, Tennessee 37381

Mr. Robert E. Martin, Senior Project Manager  
U.S. Nuclear Regulatory Commission  
One White Flint North  
11555 Rockville Pike  
Rockville, Maryland 20852

U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

Mr. Michael H. Mobley, Director  
Division of Radiological Health  
3rd Floor  
L & C Annex  
401 Church Street  
Nashville, Tennessee 37243

ENCLOSURE 6

WESTINGHOUSE AFFIDAVIT

WESTINGHOUSE LETTER

CAW-1087