



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

FEB 28 1994

William J. Museler
Site Vice President, Watts Bar Nuclear Plant

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

Gentlemen:

In the Matter of the Application of) Docket Nos. 50-390
Tennessee Valley Authority) 50-391

WATTS BAR NUCLEAR PLANT (WBN) - FINAL SAFETY ANALYSIS REPORT (FSAR) -
AMENDMENT 84

- References:
1. Letter from NRC to TVA dated July 14, 1992, "Request for Additional Information on Chapter 14, FSAR Amendment 69"
 2. NUREG 0847, Supplement 12, dated October, 1993, "Safety Evaluation Report related to the operation of WBN Units 1 and 2"

Enclosed are 10 copies of Amendment 84 to the WBN FSAR. An instruction sheet for incorporating this amendment into the FSAR is included with each copy.

The changes incorporated into the WBN FSAR by this amendment are Chapter 12, resulting from a general review of the chapter to ensure reflection of the current design, and Chapters 9 and 14 revisions resulting from reviews performed by the new startup management organization.

In addition, the enclosed amendment completes TVA's response to Reference 1 and addresses open items identified in Section 14.2.3 of Reference 2. The attachment to this letter indicates the FSAR sections which were revised to resolve the open items in Reference 2.

Attachment 2 describes the commitment made in this submittal.

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If you have any questions, please telephone George L. Pannell at
(615) 365-1550.

Very truly yours,



William J. Museler

Enclosures

Subscribed and sworn to before

me on this 28th day of February 1994

E. Jeannette Long
Notary Public

My Commission Expires July 1, 1997

cc (Enclosures):

NRC Resident Inspector
Watts Bar Nuclear Plant
Rt. 2, Box 700
Spring City, Tennessee 37381

Mr. P. S. Tam, 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

ATTACHMENT 1
FSAR AMENDMENT 84
RESOLUTION OF SSER 12 CHAPTER 14 OPEN ITEMS

The following provides a list of the open items summarized in SSER 12, Section 14.2.3 and indicates the FSAR Amendment 84 sections which were revised to address these items:

1. Clarify commitments to perform rapid and gradual loss of air testing.

TVA originally provided clarification on this issue in response to Deviation 390, 391/93-43-03 in our letter of August 23, 1993. However, based on the experience of the new Startup management team, further evaluation is necessary to resolve this issue. We will clarify our commitments in this area by April 15, 1994.

2. Submit additional information addressing the adequacy of safety features provided which ensure that excessive pressure conditions will not occur in the compressed air system.

Refer to Section 14.2.7.7.

3. Incorporate an exception to Regulatory Guide 1.139 for not performing the natural circulation test.

Refer to Section 14.2.7.11.

4. Justify abandoning the failed fuel detector.

Refer to Sections 14.2.7.4.A(1)(d), 9.3.2.2, and 9.3.5.1.

5. Justify not performing a core reactivity balance.

Refer to Section 14.2.7.4.A(1)(o) and Table 14.2-2, Sheet 26.

6. Submit power ascension test summaries to describe initial conditions and acceptance criteria.

Refer to Table 14.2-2.

7. Perform tests to demonstrate the functionality of the containment wide-range pressure indicators and containment water-level monitors.

Refer to Table 14.2-1, Sheet 23, 59, 82, and 83.

ATTACHMENT 2
FSAR AMENDMENT 84
LIST OF COMMITMENTS

TVA will clarify our commitments regarding rapid and gradual loss of air testing by April 15, 1994.