

August 17, 1993

Docket No. 50-390

APPLICANT Tennessee Valley Authority (TVA)
 FACILITY: Watts Bar Nuclear Plant, Unit 1
 SUBJECT: MEETING SUMMARY - JULY 19-22, 1993, MEETING TO DISCUSS THE PROOF AND REVIEW TECHNICAL SPECIFICATIONS (TAC M76742)
 REFERENCE: Meeting notice by P. S. Tam, June 30, 1993

During July 19 through 22, 1993, NRC and TVA representatives met at the NRC headquarters office to discuss issues raised as a result of the staff's review of the Proof and Review version of the Watts Bar Unit Technical Specifications (TS). Enclosure 1 lists meeting participants and observers.

There was no written agenda since it was a working meeting in which participants reviewed and discussed staff comments on the Proof and Review TS, resolving comments or agreeing to perform more work toward resolution. During the meeting, TVA provided the staff with changes to Specification 5.5.2, "Onsite Review and Audit" (Enclosure 2) to clarify the organization of the nuclear assurance review function. TVA also provided written justification for a change made in an April 30, 1993 submittal to the Background section of LCO 3.6.8, "Hydrogen Mitigation System" (Enclosure 3).

NRC and TVA efforts will enable the staff to issue the final draft version of the TS six months before (i.e. November 1993) issuance of the operating license, currently targeted to occur in April 1994.

Original signed by F. J. Hebdon

Peter S. Tam, Senior Project Manager
 Project Directorate II-4
 Division of Reactor Projects - I/II
 Office of Nuclear Reactor Regulation

Enclosures:

1. Participant list
2. Onsite Review and Audit
3. Background Section of LCO.3.6.8

cc w/enclosures:
 See next page

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DATE	8/17/93	8/17/93	8/17/93

DOCUMENT NAME: TSMTG

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LIST OF PARTICIPANTS AND OBSERVERS*MEETING TO DISCUSS THE PROOF AND REVIEW TECHNICAL SPECIFICATIONSJULY 19-22, 1993

<u>Name</u>	<u>Affiliation</u>
Frederick Allenspach	NRC/NRR/Performance and Quality Evaluation Branch
Jim Andrachek	Westinghouse
Jack Bell	NRC/NRR/Radiation Protection Branch
Mark Bittmann#	NUS
Fred Burrows	NRC/NRR/Electrical Engineering Branch
Lee Bush#	WOG/Commonwealth Edison
Patricia Campbell	NRC/NRR/Mechanical Engineering Branch
Tom Dunning	NRC/NRR/Technical Specifications Branch
Darrell Gardner	TVA Watts Bar Site Licensing
Hukam Garg	NRC/NRR/Instrumentation and Controls Branch
Robert Giardina	NRC/NRR/Technical Specifications Branch
Tai Huang	NRC/NRR/Reactor Systems Branch
George Hubbard	NRC/NRR/Plant Systems Branch
Larry Kopp	NRC/NRR/Reactor Systems Branch
Bill LeFave	NRC/NRR/Plant Systems Branch
Ronnie Lo	NRC/NRR/Technical Specifications Branch
Antoinette Massey	NRC/NRR/Radiation Protection Branch
Richard Pelton	NRC/NRR/Human Factors Assessment Branch
Tom Porter	TVA Watts Bar Site Licensing
Donna Smith	NRC/NRR/Human Factors Assessment Branch
Warren Swenson	NRC/NRR/Human Factors Assessment Branch
Peter Tam	NRC/NRR/Project Directorate II-4
Ed Tomlinson	NRC/NRR/Technical Specifications Branch
Eric Weiss	NRC/NRR/Electrical Engineering Branch

 * Various NRC participants were only present in portions of the 4-day meeting.
 # Observer

5.5 Reviews and Audits

5.5.2 Offsite Review and Audit (continued)

The Chairman, members, and alternate members of the NSRB shall meet the qualification requirements of ANSI 18.7, 1976/ANS 3.2 Section 4.3.1.

Nuclear Assurance (NA) shall function to provide audits and onsite technical reviews as specified in Specifications 5.5.2.3 and 5.5.2.4.

NA audit personnel shall meet the qualification requirements as committed to the NRC in TVA's Nuclear Quality Assurance Plan (TVA-NQA-PLN89-A).

INSERT
→
ATTACHED

~~NA onsite technical review personnel shall have a bachelor's degree in engineering or equivalent and two to four years experience in their field, including one to two years nuclear experience.~~

5.5.2.1 Functions

The NSRB shall, as a minimum, incorporate the following functions that:

- a. Advise the Senior Vice President, Nuclear Power on all matters related to nuclear safety;
- b. Recommend to the Senior Vice President, Nuclear Power, any corrective action to improve nuclear safety and plant operation; and
- c. Notify the Senior Vice President, Nuclear Power of any safety significant disagreement between the NSRB and the organization or function being reviewed within 24 hours.

5.5.2.2 NSRB Review Responsibilities

The NSRB shall be responsible for the review of:

- a. The 10 CFR 50.59 Safety Evaluation Program
- b. Proposed changes to procedures, equipment, or systems that involve an unreviewed safety question as defined in 10 CFR 50.59;

(continued)

Watts Bar Nuclear Plant (WBN)
Technical Specification 5.5.2
Insert

The personnel performing Nuclear Assurance (NA) onsite technical review responsibilities, as described in Section 5.5.2.2, shall be composed of at least three dedicated full-time engineers located onsite. These engineers will be supplemented, as necessary, to achieve an equivalent staffing of five full-time engineers performing the NUREG 0737 item IB.1.2 functions applicable to WBN. NA onsite technical review personnel shall have a bachelor's degree in engineering or equivalent and two to four years experience in their field, including one or two years nuclear experience.

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Page B 3.6-50 - revise "8.0 volume percent" to "a minimum of 5.0 volume percent" and delete "and results of 85% of the H2 present being consumed" from the second paragraph. NRC reviewer states that the specific justification given (no. 4 below) is not sufficient (ie. we deleted something because no calculation exists to support the value. why is the value not calculated?)

4. Values changed based on the TVA calculation referenced and operational limitations imposed.

This is not the correct justification for the changes on page B 3.6-50. The calculation referenced determines the percentage of H2 inside containment following a LOCA using the safety-related recombiners only. The hydrogen ignitors are not safety-related; therefore, in lieu of an analysis, the ignitors have been tested to demonstrate proper operability in hydrogen concentrations of 5% to 11% by volume. In view of this, TVA feels that an analysis to determine the hydrogen conversion rate is not necessary.

DISTRIBUTION

Docket or Central File

NRC & Local PDRs

WBN Rdg. File

T. Murley/F. Miraglia 12-G-18

J. Partlow 12-G-18

S. Varga 14-E-4

G. Lainas 14-H-3

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ACRS (10)

L. Plisco 17-G-21

F. Allenspach 10-A-19

J. Bell 10-D-4

F. Burrows 7-E-4

P. Campbell 7-E-23

T. Dunning 11-E-22

H. Garg 8-H-3

R. Giardina 11-E-22

T. Huang 8-E-23

G. Hubbard 8-D-1

L. Kopp 8-E-23

W. LeFave 8-D-1

R. Lo 11-E-22

A. Massey 10-D-4

R. Pelton 10-D-24

D. Smith 10-E-24

W. Swenson 10-E-24

E. Tomlinson 11-E-22

E. Weiss 7-E-4