

January 11, 1994

Docket Nos. 50-390
and 50-391

APPLICANT: Tennessee Valley Authority (TVA)

FACILITY: Watts Bar Nuclear Plant, Units 1 and 2

SUBJECT: MEETING SUMMARY - JANUARY 7, 1994, ROUTINE CONFERENCE ON
LICENSING STATUS (TAC M72494, M72495, M87134 AND M87135)

REFERENCE: Meeting notice by P. S. Tam, December 28, 1993

On January 7, 1994, NRC and TVA representatives met at the Watts Bar site to discuss the status, needed actions, priorities and schedules of various licensing issues. These include all unresolved outstanding issues, confirmatory issues, proposed license conditions, corrective action programs (CAPs), special programs (SPs), TVA's response to generic letters and bulletins. The discussion was based on the latest licensing status as published in the Watts Bar Safety Evaluation Report Supplement 12 (NUREG-0847, Supp. 12). The Office of Nuclear Reactor Regulation (NRR) issues the Safety Evaluation Report (NUREG-0847) and supplements (SSERs) as its principal licensing basis documents for Watts Bar. Section 1 of the latest SSER (SSER 12) officially documents the issues that NRR considers needing resolution before an operating license can be granted.

Enclosure 1 is the list of meeting participants.

Schedular information regarding NRR reviews and other comments were exchanged with TVA personnel, agreed upon, and subsequently used to update the NRR staff's work control system, Workload Information and Scheduling Program (WISP). The output of WISP (Enclosure 2) records the staff's understanding of the status of each active NRR action. Enclosure 3 is a handout prepared by the staff, delineating the additional information needed to close review of licensing action TAC M87134 and M87135, FSAR Amendment 76 Review.

Original signed by

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

Enclosures:

1. Participants and observer list
2. WISP report
3. Discussion on FSAR Amendment 76 review

cc w/enclosures:
See next page

OFFICE	PDII-4/LA	PDII-4/PM	PDII-4/D
NAME	BClayton <i>BC</i>	PTam <i>PST</i>	FHebdon <i>FH</i>
DATE	1/10/94	1/11/94	1/11/94

DOCUMENT NAME: SUMMARY

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PDR ADOCK 05000390
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Distribution

Enclosure 1

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Enclosures 1, 2, and 3

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ROUTINE LICENSING STATUS MEETING

January 7, 1993

<u>Name</u>	<u>Affiliation</u>
Fred Hebdon	NRC/NRR/Project Directorate II-4
Becky Mays	TVA Watts Bar Site Licensing
Paul Pace	TVA Watts Bar Site Licensing
Peter Tam	NRC/NRR/Project Directorate II-4

Condensed Project Manager Report

TaskID	MPA Num	Age (Mon)	Rev Mth	Pri	Actyp	Title	Appl Date	RAI Issued	RAI Response	Licensing Action Complete	Licensee Impl.	Comments
***** Active Actions *****												
M63590	[56]	TS	2	RN	WATTS BAR 1 - CORRECTIVE ACTION PROGRAM: Q - LIST.	(05/22/89)	(08/16/90)	(07/08/93C)	(1/31/94T)	(01/31/94T)	7/8/93 response to 1/23/91 comments. SE coming soon.	
M63591	[33]	TS	2	RN	WATTS BAR 1 - SPECIAL PROGRAM: EQUIPMENT QUALIFICATION OPEN ISSUE 4	(04/30/91)	(05/01/92)	(02/17/93C)	(08/30/94T)	(01/31/94T)	90% complet.(inspection?)by 4/94, SE on EQ 4-6 weeks after.	
M63632	[44]	TS	2	RN	"WATTS BAR 1 - MSLB OUTSIDE CONTAINMENT (SECT 3.11.3.3)"	(05/04/90)	(07/13/93)	(01/31/94T)	(04/30/94T)	(--/--/--)	RAI of 7/13/93. Response by 2/94.	
M63648	[23]	TS	2	RN	WATTS BAR 1 - CORRECTIVE ACTION PROGRAM: FIRE PROTECTION, OPEN ISSUE 12, CONF. ISSUE 38, LIC. COND 20	(02/05/92)	(05/05/93)	(11/26/93C)	(08/31/94T)	(07/30/94T)	Thermo-Lag SE by 4/94; fire protection (90%) audit by 5/94.	
M63649	[107]	TS	2	RN	WATTS BAR 1 - POWER SYSTEM CONCERNS, AND FSAR AMEND. 75	(02/06/85)	(06/20/91)	(06/18/92C)	(03/31/94T)	(--/--/--)	FSAR Amend. 75 under review. More submittal by 1/94.	
M63655	[56]	TS	2	RN	WATTS BAR 1 - SPECIAL PROGRAM: CONTROL ROOM DESIGN REVIEW	(05/22/89)	(04/28/89)	(10/24/90C)	(08/31/94T)	(08/31/94T)	SSER 6. Audit HEDs 6/94 or after (90% comple. by 6/94).	
M63656	[11]	TS	3	RN	WATTS BAR 1 - EMERGENCY PLANNING LIC. COND. 27	(02/12/93)	(07/01/93)	(09/22/93C)	(01/31/94T)	(10/31/94T)	Expect safety evaluation in SSER 13.	
M63657	[42]	TS	2	RN	"WATTS BAR 1 - PHYSICAL SECURITY PLAN (SECT 13.6)"	(07/24/90)	(--/--/--)	(09/06/93C)	(03/31/94T)	(06/30/94T)	Safety evaluation expected in SSER 13.	
M72693	X809 [0]	TS	2	RN	"WATTS BAR 1 - THIMBLE THINNING IN PWR'S (BULLETIN 88-09)"	(--/--/--)	(--/--/--)	(--/--/--)	(12/31/94T)	(--/--/--)	No need for submittal until after plant start. EMEB reviews.	
M73723	F072 [54]	TS	2	RN	WATTS BAR- MPA F-72: SAFETY PARAMETER DISPLAY SYSTEM- RESPONSE TO GL 89-06"	(07/11/89)	(--/--/--)	(11/01/90C)	(08/31/94T)	(08/31/94T)	SSER 6. "Functional" SPDS audit 6/94.	
M74488	B111 [16]	TS	3	RN	"WATTS BAR 1 - INDIVIDUAL PLANT EVALUATIONS (GL 88-20)"	(09/01/92)	(08/20/93)	(12/27/93C)	(05/31/94T)	(03/31/94T)	Rev. by 3/94; RAI response under review	
M74801	A025 [0]	TS	3	RN	"WATTS BAR 1 - ACCEPTABLE IST PROGRAMS(GL 89-04)"	(--/--/--)	(--/--/--)	(--/--/--)	(08/31/94T)	(--/--/--)	Need IST submittal by 3/94. PLC 2 be resolved in SSER 12.	
M76742	[49]	TS	2	RN	WATTS BAR 1 - TECHNICAL SPECIFICATION REVIEW	(12/29/89)	(04/02/93)	(06/04/93C)	(06/30/94T)	(--/--/--)	Response to "proof and review" under review.	
M76972	[49]	TS	2	RN	WATTS BAR UNIT 1 - QUALITY ASSURANCE PROGRAM (SER SECTION 17.0)	(12/07/89)	(--/--/--)	(07/08/93C)	(01/31/94T)	(--/--/--)	7/8/93 response to SSER 5 issue under review. Target SSER 13	
M76974	[33]	TS	2	RN	WATTS BAR UNIT 1 - SPECIAL PROGRAM : MECHANICAL EQUIPMENT QUALIFICATION	(04/30/91)	(04/09/92)	(02/17/93C)	(08/30/94T)	()	MEQ status in EQ RAI response of 2/17/93 (TAC M63591).	
M77222	[42]	TS	2	RN	WATTS BAR UNIT 1 - SEVERE ACCIDENT MITIGATION DESIGN ALTERNATIVES (SAMDA) IN THE FES	(07/30/90)	(01/29/91)	(06/05/93C)	(06/30/94T)	(--/--/--)	Submittals under review. Need telecon in 1/94	
M77543	[108]	TS	2	RN	WATTS BAR 1 - PROCEDURE TO ESTIMATE CORE DAMAGE, (SECTION 9.3.2)	(01/31/85)	(--/--/--)	(01/31/94T)	(03/31/94T)	(--/--/--)	SSER 5. TVA submittal by 1/94, also address SER p. 9-18 req	
M77553	[17]	TS	2	RN	WATTS BAR 1 - OFFSITE DOSE CALCULATION MANUAL (ODOM)	(08/27/92)	(12/09/93)	(04/30/94T)	(06/30/94T)	(--/--/--)	Response to RAI by 4/94.	
M77560	[112]	TS	3	RN	WATTS BAR 1 - HEAVY LOADS (LICENSE CONDITION 39)	(09/24/84)	(--/--/--)	(07/28/93C)	(02/28/94T)	(--/--/--)	Under review by W. Lefave of SPLB. Target 1/94.	
M77569	[9]	TS	2	RN	WATTS BAR 1 - STEAM GENERATOR TUBE RUPTURE ANALYSIS PER WCAP - 11698	(04/13/93)	(09/09/93)	(02/28/94T)	(05/31/94T)	(--/--/--)	TVA response to RAI 2/94.	
M79692	[36]	TS	2	RN	WATTS BAR 1 - PIPE BREAK SPECTRA USED AS RESULT OF LLB APPROVAL	(01/29/91)	(10/25/93)	(12/30/93C)	(02/28/94T)	(--/--/--)	Site review to be scheduled.	
M79718	[33]	TS	2	RN	WATTS BAR 1 - MECHANICAL SYSTEMS CONCERNS ORIGINATING FROM FSAR AMEND. 64, OPEN ISSUE 20	(04/18/91)	(11/20/92)	(06/21/93C)	(01/31/94T)	(--/--/--)	OI 20(a) under review. U-bolt issue needs management mtg.	
M79992	[34]	TS	2	RN	WATTS BAR 1 - SAFETY AND RELIEF VALVE TESTING (TMI 11.D.1)	(03/21/91)	(04/15/93)	(01/31/94T)	(02/28/94T)	(05/31/94T)	Response to 4/15/93 RAI by 2/94.	

Enclosure 2

Page	2		Report Date	01/11/94		Condensed Project Manager Report						
TaskID	MPA Num	Age (Mon)	Rev Mth	Pri	Actyp	Title	Appl Date	RAI Issued	RAI Response	Licensing Action Complete	Licensee Impl.	Comments
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MB1063		[23]	TS	2	RN	WATTS BAR 1 - USE OF EAGLE 21 PROCESS	(02/26/92)	(06/14/93)	(12/27/93C)	(03/31/94T)	(--/--/--)	V&V report, funct. diversity assess., RAI resp. under review
MB1887		[17]	TS	2	RN	WATTS BAR UNIT 1 - USE OF VANTAGE - 5H FUEL DESIGN	(08/24/92)	(--/--/--)	(--/--/--)	(01/31/94T)	(--/--/--)	SE by 10/30. Pending IN on generic concern no impact on SE.
MB2644		[24]	TS	2	RN	WATTS BAR 1 - FSAR AMENDMENT 69 AND 74.	(01/21/92)	(07/14/92)	(04/02/93C)	(05/31/94T)	(--/--/--NA)	Awaiting FSAR Amend. 86.
MB3202		[21]	PM	2	RO	WATTS BAR 1 - DOCUMENTATION OF STAFF ACTIVITIES RELATED TO QTC	(04/30/92)	(--/--/--)	(--/--/--)	(02/28/94T)	(--/--/--)	NRR staff activities only, no TVA involvement.
MB3525	B120	[18]	TS	3	RR	WATTS BAR 1 - GENERIC LETTER 92-01 REACTOR VESSEL STRUCTURAL INTEGRITY.	(07/07/92)	(07/27/93)	(10/15/93C)	(04/30/94T)	(04/30/94T)	Reviewing 10/15 response, may need more RAI per B. Elliot.
MB3693	B118	[0]	PM	3	RR	WATTS BAR 1 - IPEEE FOR EXTERNAL EVENTS (GL 88-20) SUPPLEMENT 4	(--/--/--)	(--/--/--)	(--/--/--)	(12/31/95T)	(--/--/--)	Letter issued to approve 5/22/95 submittal date.
MB4429		[17]	TS	2	RN	WATTS BAR 1 - SOLID RAD. WASTE PROCESS CONTROL PROGRAM.	(08/27/92)	(02/16/93)	(07/09/93C)	(03/31/94T)	(--/--/--)	RAI response under review.
MB5037		[14]	TS	2	RN	WATTS BAR 1 - FSAR AMENDMENT 72 REVIEW.	(11/30/92)	(--/--/--)	(--/--/--)	(02/28/94T)	(--/--/--)	Under review, target 2/94.
MB5460	B122	[0]	TS	2	RR	WATTS BAR 1 - RESPONSE TO NRC BL 90-01, SUPP 1, LOSS OF FILLOIL IN ROSEMOUNT TRANSMITTERS (FOLLOWUP MPA X001)	(--/--/--)	(--/--/--)	(--/--/--)	(01/31/94T)	(12/31/96T)	TVA confirmation letter by 1/94.
MB5622	L208	[9]	TS	1	RR	WATTS BAR 1 - THERMO LAG (GL 92-08)	(04/16/93)	(--/--/--)	(--/--/--)	(02/28/94T)	(--/--/--)	Handled under fire protection, TAC M63648.
MB5712		[12]	TS	2	RN	WATTS BAR 1 - APPENDIX G EXEMPTIONS SER REVISION.	(01/28/93)	(--/--/--)	(10/15/93C)	(03/31/94T)	(--/--/--)	Reviewing 10/15 response, may issue RAI per B. Elliot.
MB5774		[8]	TS	2	RN	WATTS BAR UNIT 1 - FSAR AMENDMENT 73.	(05/21/93)	(02/22/93)	(--/--/--)	(01/31/94T)	(--/--/--)	Under review in conjunction with VANTAGE 5H submittal.
MB6667		[8]	TS	3	RO	WATTS BAR 1 - TVA EMPLOYEE CONCERNS SPECIAL PROGRAM, FOURTH & FIFTH ANNUAL REPORT.	(05/19/93)	(--/--/--)	(--/--/--)	(12/31/94T)	(--/--/--)	Low priority review.
MB6877	L304	[5]	TS	1	RR	WATTS BAR 1 - GL 93-04 - ROD CONTROL SYSTEM FAILURE AND WITHDRAWAL OF RCCAS.	(08/05/93)	(--/--/--)	(--/--/--)	(02/15/94T)	(--/--/--)	9/20 ltr. under review by M. Razzaque of SRXB, target 2/94.
MB7134		[6]	PM	2	RN	WATTS BAR UNIT 1 - FSAR AMENDMENT 76	(07/31/93)	(01/07/94)	(01/31/94T)	(02/28/94T)	(--/--/--)	Under review. Chapter 1 only. Need add. info.
MB7197		[5]	TS	2	RN	WATTS BAR UNIT 1 - FSAR AMENDMENT 77	(08/06/93)	(--/--/--)	(--/--/--)	(02/28/94T)	(--/--/--)	Under review by T. Chandrasekaran of SPLB, target 1/31/94.
MB8019	B123	[4]	TS	2	RR	WATTS BAR 1 - INACCURACY OF MOTOR-OPERATED VALVE DIAGNOSTIC EQUIPMENT (GL 89-10 SUPP 5)	(09/28/93)	(--/--/--)	(--/--/--)	(03/31/94T)	(06/30/94T)	Under review by Mech. Engr. Branch. No target date.
R00514		[56]	TS	2	RN	"WATTS BAR UNIT 1: CORRECTIVE ACTION PROGRAM (CAP) PLAN FOR SEISMIC ANALYSIS" AND CIVIL CALC. PROGRAM	(05/22/89)	(06/10/93)	(12/30/93C)	(01/31/94T)	(01/31/94T)	Response to RAI on seismic spectra under review.
***** Not Scheduled Actions *****												
M40309		[58]	TS	2	DZ	"WATTS BAR 1 - PROJECT MANAGEMENT ADMINISTRATION"	(03/15/89)	(--/--/--)	(--/--/--)	(--/--/--)	(--/--/--)	
M72374		[0]	TS	3	DZ	"WATTS BAR 1 LICENSEE PERFORMANCE EVALUATION"	(--/--/--)	(--/--/--)	(--/--/--)	(--/--/--)	(--/--/--)	Ongoing NRR work only, no TVA action needed.
M72494		[0]	PM	2	DZ	"WATTS BAR 1 - HEADQUARTERS FOCAL POINT FOR INFORMATION AND COMMUNICATIONS"	(--/--/--)	(--/--/--)	(--/--/--)	(--/--/--)	(--/--/--)	Ongoing NRR work only, no TVA action needed.
M72613		[0]	PM	3	DZ	"WATTS BAR 1 - SALP REPORT PREPARATION AND MEETING ATTENDANCE"	(--/--/--)	(--/--/--)	(--/--/--)	(--/--/--)	(--/--/--)	Ongoing NRR work only, no TVA action needed.

DISCUSSION ON FSAR TABLE 1.7-1
WATTS BAR ELECTRICAL, INSTRUMENTATION AND CONTROL DRAWINGS
AS REVISED BY AMENDMENT 76
TAC M87134 AND M87135

The subject table is prescribed by the Standard Format, after which the FSAR was written. The Standard Review Plan (NUREG-0800), which provides guidance to the staff on FSAR review, does not contain specific guidance on review of this table. However, in Section 7.1.1 of the Watts Bar SER (NUREG-0847, dated June 1982), the staff stated that "in addition to reviewing FSAR material, the staff also reviewed drawings referenced in the FSAR..."

This table was extensively discussed during the pre-SER Q-1 and Q-2 stages. Specifically, questions 31.20, 31.38, 31.39, 31.44 Parts 6, 7, 10 and 16 have mentioned this table. By letter, Gilleland to S. Varga dated October 6, 1978, TVA submitted all the drawings referenced in this table.

It seems clear that the staff would need to review the referenced drawings as they are updated until the plant is licensed (i.e., until the FSAR is "frozen" as a historical document). The staff therefore requests TVA to (1) provide a brief description (e.g., error correction, design change...) on each of the changes in Table 1.7-1, and (2) docket any drawing listed in the table considered by TVA to show significant changes from the previous drawing.