

February 3, 1993

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 27, 1993 ROUTINE CONFERENCE ON  
LICENSING STATUS (TAC M72494, and M72495)

Reference: Meeting notice by P. S. Tam, January 12, 1993

On January 27, 1993, 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, and upcoming NRR-led team inspections. The discussion was based on the latest licensing status as published in the Watts Bar Safety Evaluation Report Supplement 10 (NUREG-0847, Supp. 10). 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 10) 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 and other comments were exchanged between TVA and NRR 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. TVA participants described the status of TVA's top priority actions; these are so indicated in Enclosure 2.

The next meeting will take place in March 1993.

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. Participant List
- 2. WISP Report

cc w/enclosures:  
See next page

OFFICE	PDII-4/LA	PDII-4/PM	PDII-4/D
NAME	MSanders <i>ms</i>	PTam <i>PST</i>	FHebdon <i>FH</i>
DATE	2/3/93	2/3/93	2/3/93

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G. Lainas 14-H-1

F. Hebdon

V. Nerses

P. Tam

M. Sanders

OGC 15-B-18

E. Jordan MNBB-3302

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B. Wilson RII

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Watts Bar Nuclear Plant

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ENCLOSURE 1

LIST OF PARTICIPANTS

ROUTINE LICENSING STATUS MEETING

January 27, 1993

<u>Name</u>	<u>Affiliation</u>
R. Alesander (part-time)	TVA Watts Bar Engineering
Joe Chen (part-time)	TVA Watts Bar Engineering
P. Fredrickson	NRC Region II
Becky Mays	TVA Watts Bar Site Licensing
Paul Pace	TVA Watts Bar Site Licensing
G.Pannell (part-time)	TVA Watts Bar Site Licensing
S. Sheng (part-time by phone)	NRC/NRR/Mat. and Chem. Engr. Branch
Peter Tam	NRC/NRR/Project Directorate II-4
John Vorees	TVA Watts Bar Site Licensing
G. Walton	NRC Region II
David Wilson (part-time)	TVA Watts Bar Engineering

TaskID	MPA Num	Age (Mon)	Rev Mth	Prj Actyp	Title	Appl Date	RAI Issued	RAI Response	Licensing Action Complete	Licensee Impl.	Comments
***** Active Actions *****											
3590	[ 45]	TS	2	RN	WATTS BAR 1 - CORRECTIVE ACTION PROGRAM: Q - LIST.	(05/22/89)	(08/16/90)	(11/07/90C)	(05/31/93T)	(03/31/93T)	Submittal to modify scope by 3/93. (Top 3)
3591	[ 22]	TS	2	RN	WATTS BAR 1 - SPECIAL PROGRAM: EQUIPMENT QUALIFICATION OPEN ISSUE 4	(04/30/91)	(05/01/92)	(12/31/92L)	(09/30/93T)	(03/31/93T)	RAI response by 12/92. Site audit mid to late 1993.
3597	[ 52]	TS	3	RN	"WATTS BAR 1 - CONTAINMENT ISOLATION REVIEW"	(10/20/88)	(03/15/89)	(05/12/89C)	(07/31/93T)	(07/31/93T)	Had telecon 12/8/92, <i>Site review mid 1993.</i>
3632	[ 33]	TS	2	RN	"WATTS BAR 1 - MSLB OUTSIDECONTAINMENT (SECT 3.11.3.3)"	(05/04/90)	(06/04/90)	(11/30/92C)	(03/31/93T)	(--/--/--)	Under review by Lefave, target 3/31/92.
3648	[ 12]	TS	2	RN	WATTS BAR 1 - CORRECTIVE ACTION PROGRAM: FIRE PROTECTION, OPEN ISSUE 12, CONF. ISSUE 38, L.I.C. COND 20	(02/05/92)	(12/15/92)	(08/28/92C)	(09/30/93T)	(08/30/93T)	Thermo-log response 2/15 (Top 1) FP response 2/15 (Top 2)
3649	[ 96]	TS	2	RN	WATTS BAR 1 - POWER SYSTEM CONCERNS, CONF. 28-35, L.I.C. COND.13,17	(02/06/85)	(06/20/91)	(06/18/92C)	(03/31/93T)	(--/--/--)	Site review 1/26 to 1/28 by Burrows and Weiss.
3655	[ 45]	TS	2	RN	WATTS BAR 1 - SPECIAL PROGRAM: CONTROL ROOM DESIGN REVIEW	(05/22/89)	(04/28/89)	(10/24/90C)	(07/31/93T)	(01/31/93L)	Program review complete, SSER 6. Audit HEDs 6/93.
3656	[ 0]	TS	3	RN	WATTS BAR 1 -EMERGENCY PLANNING LIC. COND. 27	(--/--/--)	(--/--/--)	(--/--/--)	(06/30/93T)	(11/30/93T)	TVA submittal app. 2/93. NRR does pre-OL review.
3657	[ 31]	TS	2	RN	"WATTS BAR 1 - PHYSICALSECURITY PLAN (SECT 13.6)"	(07/24/90)	(--/--/--)	(06/17/92C)	(09/30/93T)	(11/30/93T)	SE after joint Region II-NRR inspec. No identified problems
3624	A022 [ 10]	TS	2	LL	"WATTS BAR 1 - IMPLEMENTATION OF THE STATION BLACKOUT RULE, 10CFR50.63"	(04/22/92)	(--/--/--)	(01/27/93C)	(02/28/93T)	(01/31/94T)	RAI response under review. New reviewer is Amar Pal.
3617	[ 45]	TS	2	RN	"WATTS BAR 1 - CORRECTIVE ACTION PROGRAM (CAP) FOR CABLE ISSUES"	(05/22/89)	(--/--/--)	(11/21/91C)	(03/31/93T)	(12/31/93T)	CAP scope to be expanded by 2/93 per 12/8 site review.(Top 4
3623	[ 45]	TS	2	RN	"WATTS BAR 1 CORRECTIVE ACTION PROGRAM (CAP) FOR QA RECORDS"	(05/22/89)	(04/10/91)	(01/28/93C)	(03/31/93T)	(09/30/93T)	<i>1/28/93 record plans under review.</i>
36106	[ 45]	TS	2	RN	"WATTS BAR 1 - CORRECTIVE ACTION PROGRAM (CAP) FOR WELDING ISSUES"	(05/22/89)	(--/--/--)	(07/31/90C)	(03/31/93T)	(03/31/93T)	Closeout ltr. of 1/9/93 under review.
362693	X809 [ 0]	TS	2	RN	"WATTS BAR 1 - THIMBLE THINNING IN PWR'S (BULLETIN 88-09)"	(--/--/--)	(--/--/--)	(--/--/--)	(12/31/93T)	(--/--/--)	No need for submittal until after plant start.
363723	F072 [ 43]	TS	2	RN	"WATTS BAR- MPA F-72: SAFETY PARAMETER DISPLAY SYSTEM- RESPONSE TO GL 89-06"	(07/11/89)	(--/--/--)	(11/01/90C)	(07/31/93T)	(06/30/93T)	SSER 6. "Functional" SPDS audit by 6/93.
364488	B111 [ 5]	TS	3	RN	"WATTS BAR 1 - INDIVIDUAL PLANT EVALUATIONS (GL 88-20)"	(09/01/92)	(--/--/--)	(--/--/--)	(06/30/93T)	(06/30/93T)	IPE under review, target 6/93 for SE (12/93 if problems).
364801	A025 [ 0]	TS	3	RN	"WATTS BAR 1 - ACCEPTABLE IST PROGRAMS(GL 89-04)"	(--/--/--)	(--/--/--)	(--/--/--)	(09/30/93T)	(--/--/--)	Per GI 89-04. Relief requests by 7/93.
365631	X001 [ 13]	PM	3	RN	"WATTS BAR 1 - RESPONSE TO NRCB 90-01 LOSS OF FILL-OIL IN ROSEMOUNT TRANSMITTER"	(01/31/92)	(--/--/--)	(12/22/92C)	(03/31/93T)	(03/31/93T)	Supplemental bulletin issued 12/22/92.
365742	[ 38]	TS	2	RN	WATTS BAR 1 - TECHNICAL SPECIFICATION REVIEW	(12/29/89)	(--/--/--)	(--/--/--)	(09/30/93T)	(--/--/--)	Next TS meetings 2/3 and 2/9/93.
365881	[ 0]	TS	3	RN	WATTS BAR 1 - INSERVICE INSPECTION (LICENSE CONDITION 4)	(--/--/--)	(--/--/--)	(--/--/--)	(09/30/93T)	(--/--/--)	Submittal by 7/93.
365972	[ 38]	TS	2	RN	WATTS BAR UNIT 1 - QUALITY ASSURANCE PROGRAM (SER SECTION 17.0)	(12/07/89)	(--/--/--)	(--/--/--)	(03/31/93T)	(--/--/--)	Response to SSER 5 by Amendment 73. SSER 10 has update.
365974	[ 22]	TS	2	RN	WATTS BAR UNIT 1 - SPECIAL PROGRAM : MECHANICAL EQUIPMENT QUALIFICATION	(04/30/91)	(04/09/92)	(--/--/--)	(07/31/93T)	(12/31/93T)	MEQ submittal in EQ RAI response, 2/93.
367132	[ 89]	TS	2	RN	WATTS BAR 1 - TMI II.F.2, ON INADEQUATE CORE COOLING INSTRUMENTATION, L.I.C. COND. 3	(09/19/85)	(08/16/90)	(01/24/92C)	(08/31/93T)	(07/31/93T)	SSER10 accepts 1/24/92 submittal. TVA impl. ltr. by 7/93.

Enclosure 2

Page	2		Report Date		02/02/93		Condensed Project Manager Report					
skID	MPA Num	Age (Mon)	Rev Mth	Pri	Actyp	Title	Appl Date	RAI Issued	RAI Response	Licensing Action Complete	Licensee Impl.	Comments
7222		[ 31]	TS	2	RN	WATTS BAR UNIT 1 - SEVERE ACCIDENT	(07/30/90)	(01/29/91)	(--/--/--)	(09/30/93T)	(--/--/--)	Response to 1/29/91 RAI by 3/93.
7543		[ 97]	TS	2	RN	WATTS BAR 1 - PROCEDURE TO ESTIMATE CORE DAMAGE, (SECTION 9.3.2)	(01/31/85)	(--/--/--)	(01/31/93L)	(06/30/93T)	(--/--/--)	SSER 5. TVA submittal by 3/93, also address SER p. 9-18 req.
7553		[ 6]	TS	2	RN	WATTS BAR 1 - OFFSITE DOSE CALCULATION MANUAL (ODOM)	(08/27/92)	(--/--/--)	(--/--/--)	(03/31/93T)	(--/--/--)	A. Massey is reviewer. Target date 3/93.
7560		[101]	TS	3	RN	WATTS BAR 1 - HEAVY LOADS (LICENSE CONDITION 39)	(09/24/84)	(--/--/--)	(02/28/93T)	(06/30/93T)	(--/--/--)	TVA submittal by 2/93.
7569		[ 95]	TS	2	RN	WATTS BAR 1 - STEAM GENERATOR TUBE RUPTURE ANALYSIS PER WCAP - 11698	(03/31/85)	(--/--/--)	(--/--/--)	(06/30/93T)	(--/--/--)	See SSER 5, 15.6.3. TVA submittal by 4/93.
7896	A021	[ 32]	TS	2	LL	WATTS BAR 1 PRESSURIZED THERMAL SHOCK, 10 CFR 50.61	(06/26/90)	(--/--/--)	(01/14/93C)	(02/28/93T)	(--/--/--)	Additional info. of 1/14/93 under review.
9692		[ 25]	TS	2	RN	WATTS BAR 1 - PIPE BREAK SPECTRA USED AS RESULT OF LLB APPROVAL	(01/29/91)	(--/--/--)	(09/20/91C)	(03/31/93T)	(--/--/--)	Under review by Fair and DAngelo. SE by 12/92.
9717		[ 25]	PM	2	RN	WATTS BAR 1 - SEISMIC DESIGN CONCERNS ORIGINATING FROM FSAR AMEND 64 OPEN ISSUE 19	(01/04/91)	(08/22/91)	(04/06/92C)	(03/31/93T)	(--/--/--)	Outstanding Issue 19 to be resolved in SSER 11, 3/93.
9718		[ 22]	TS	2	RN	WATTS BAR 1 - MECHANICAL SYSTEMS CONCERNS ORIGINATING FROM FSAR AMEND. 64, OPEN ISSUE 20	(04/18/91)	(11/20/92)	(01/11/93C)	(02/28/93T)	(--/--/--)	Response to 11/20/92 RAI (on OI 20(a)) under review.
9992		[ 23]	TS	2	RN	WATTS BAR 1 - SAFETY AND RELIEF VALVE TESTING (TMI II.D.1)	(03/21/91)	(10/10/91)	(12/26/92C)	(03/31/93T)	(03/31/93T)	Response of 12/26/92 under review.
0152		[ 28]	TS	3	RN	WATTS BAR 1 - CONTAINMENT EFFECTS DUE TO REMOVAL OF BORON INJECTION TANK	(10/18/90)	(--/--/--)	(01/21/92C)	(03/31/93T)	(--/--/--)	Pages in Amend. 69 still under review by Lefave.
0663		[ 12]	TS	2	RN	WATTS BAR 1 - USE OF EAGLE 21 PROCESS PROTECTION SYSTEM	(02/26/92)	(--/--/--)	(10/26/92C)	(04/30/93T)	(--/--/--)	Both 10/26/92 and 11/5/92 under review. Target 3/93 (Top 5).
0887		[ 6]	TS	2	RN	WATTS BAR UNIT 1 - USE OF VANTAGE - 5H FUEL DESIGN	(08/24/92)	(--/--/--)	(--/--/--)	(02/28/93T)	(--/--/--)	Under review by S.L. Wu, target 1/93.
0932		[ 17]	TS	2	RN	WATTS BAR 1 - FIFTH DIESEL GENERATOR NON-ELECTRICAL ISSUES	(09/24/91)	(--/--/--)	(12/21/92C)	(05/31/93T)	(--/--/--)	SSER 10. Reviewing 12/21 ltr. re. tornado air intake damage.
0964		[ 13]	TS	2	RN	WATTS BAR 1 - FSAR AMENDMENT 69.	(01/21/92)	(07/14/92)	(01/13/93C)	(03/31/93T)	(--/--/--NA)	1/13/93 response to RAI under review, target 3/31/93.
0978		[ 12]	TS	2	LL	WATTS BAR 1 - ALTERNATIVE TO ASME III, SUBSECTION NC/ND PARA7153	(02/25/92)	(--/--/--)	(12/02/92C)	(02/28/93T)	(--/--/--)	Safety evaluation under concurrence, approve request.
09202		[ 10]	PM	2	RO	WATTS BAR 1 - DOCUMENTATION OF STAFF ACTIVITIES RELATED TO QTC	(04/30/92)	(--/--/--)	(--/--/--)	(12/30/93T)	(--/--/--)	NRR staff activities only, no TVA involvement.
09525	B120	[ 7]	TS	3	RR	WATTS BAR 1 - GENERIC LETTER 92-01 REACTOR VESSEL STRUCTURAL INTEGRITY.	(07/07/92)	(--/--/--)	(--/--/--)	(12/31/93T)	(12/31/93T)	Under review; will contact TVA if staff sees problems.
09693	B118	[ 14]	PM	3	RR	WATTS BAR 1 - IPEEE FOR EXTERNAL EVENTS (GL 88-20) SUPPLEMENT 4	(12/20/91)	(--/--/--)	(--/--/--)	(12/31/95T)	(--/--/--)	11/2/92 letter to extend date, 6/94 to 5/95 under review.
09837		[ 8]	TS	2	RN	WATTS BAR 1-APPLICATION OF LEAK-BEFORE-BREAK TO PRESSURIZER SURGE LINE.	(06/22/92)	(--/--/--)	(--/--/--)	(03/31/93T)	(--/--/--)	Awaiting TVA suppl./revised information per 1/27/93 telecon.
09234		[ 6]	TS	2	RN	WATTS BAR 1 - FSAR AMENDMENT 71.	(08/05/92)	(--/--/--)	(--/--/--)	(03/31/93T)	(--/--/--)	Under review; need telecon with T. Huang on Chap. 4 and 15.
09249		[ 7]	TS	2	RN	WATTS BAR 1 - CONTROL ROD DRIVE MECHANISM SEISMIC QUALIFICATION.	(07/30/92)	(--/--/--)	(--/--/--)	(03/31/93T)	(--/--/--)	Need info on "scram deflection test" on P 4.2-34 of FSAR.
09367		[ 5]	TS	2	RO	WATTS BAR 1 - FIVE STAR PRODUCTS - REQUEST FOR INFORMATION.	(09/01/92)	(--/--/--)	(--/--/--)	(02/28/93T)	(--/--/--)	Awaiting management instruction to close.
09429		[ 6]	TS	2	RN	WATTS BAR 1 - SOLID RAD. WASTE PROCESS CONTROL PROGRAM.	(08/27/92)	(--/--/--)	(--/--/--)	(02/28/93T)	(--/--/--)	Reviewer Chandrasekaran preparing RAI/position.

Report Date 02/02/93

Condensed Project Manager Report

KID	MPA Num	Age (Mon)	Rev Mth	Pri	Actyp	Title	Appl Date	RAI Issued	RAI Response	Licensing Action Complete	Licensee Impl.	Comments
733	[ 4]	TS	2	RN	RN	WATTS BAR UNIT 1 - REVISED PRESSURE	(10/13/92)	(--/--/--)	(--/--/--)	(07/31/93T)	(--/--/--)	Lefave is reviewer. Additional info. by 6/93, per 10/13 ltr.
776	[ 4]	TS	2	RN	RN	WATTS BAR UNIT 1 - UPDATED INFORMATION ON REACTOR VESSEL HIGH POINT VENT.	(10/02/92)	(--/--/--)	(--/--/--)	(03/31/93T)	(--/--/--)	TVA additional info. per 1/19/93 telecon by 2/93.
037	[ 3]	TS	2	RN	RN	WATTS BAR 1 - FSAR AMENDMENT 72 REVIEW.	(11/30/92)	(--/--/--)	(--/--/--)	(05/31/93T)	(--/--/--)	Under review by 9 technical branches.
488	[ 1]	TS	2	RN	RN	WATTS BAR 1 - SMALL-BREAK LOCA REANALYSIS	(01/09/93)	(--/--/--)	(--/--/--)	(04/30/93T)	(--/--/--)	Sarita Brewer, reviewer. Target 3/31/93.
514	[ 45]	TS	2	RN	RN	WATTS BAR UNIT 1: CORRECTIVE ACTION PROGRAM (CAP) PLAN FOR SEISMIC ANALYSIS AND CIVIL CALC. PROGRAM	(05/22/89)	(01/26/93)	(07/27/92C)	(02/28/93T)	(01/31/93L)	See stability analysis for ERCW barrier, per 1/26/93 letter.
***** Not Scheduled Actions *****												
309	[ 47]	TS	2	DZ	DZ	WATTS BAR 1 - PROJECT MANAGEMENT ADMINISTRATION	(03/15/89)	(--/--/--)	(--/--/--)	(--/--/--)	(--/--/--)	
374	[ 0]	TS	3	DZ	DZ	WATTS BAR 1 LICENSEE PERFORMANCE EVALUATION	(--/--/--)	(--/--/--)	(--/--/--)	(--/--/--)	(--/--/--)	Ongoing NRR work only, no TVA action needed.
494	[ 0]	PM	2	DZ	DZ	WATTS BAR 1 - HEADQUARTERS FOCAL POINT FOR INFORMATION AND COMMUNICATIONS	(--/--/--)	(--/--/--)	(--/--/--)	(--/--/--)	(--/--/--)	Ongoing NRR work only, no TVA action needed.
513	[ 0]	PM	3	DZ	DZ	WATTS BAR 1 - SALP REPORT PREPARATION AND MEETING ATTENDANCE	(--/--/--)	(--/--/--)	(--/--/--)	(--/--/--)	(--/--/--)	Ongoing NRR work only, no TVA action needed.