

May 17, 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 - MAY 12, 1993 ROUTINE CONFERENCE ON
LICENSING STATUS (TAC NOS. M72494 AND M72495)
Reference: Meeting notice by P. S. Tam, April 26, 1993

On May 12, 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 inspections. The discussion was based on the latest licensing status as published in the Watts Bar Safety Evaluation Report Supplement 11 (NUREG-0847, Supp. 11). 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 11) 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. Schedular information for inspections was provided by Region II personnel, taking into account TVA's completion schedule ("waterfall chart") for various activities.

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:as <i>PST</i>	FHebdon <i>H</i>
DATE	5/17/93	5/17/93	5/17/93

DOCUMENT NAME: SUMMARY

Memo 4

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DEF 11

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ENCLOSURE 1

LIST OF PARTICIPANTS

ROUTINE LICENSING STATUS MEETING

May 12, 1993

Name

Organization

Sarah Eranki	TVA Watts Bar Site Licensing
Fred Hebdon	NRC/NRR/PDII-4
Becky Mays	TVA Watts Bar Site Licensing
Paul Pace	TVA Watts Bar Site Licensing
George Pannell	TVA Watts Bar Site Licensing
Tom Porter	TVA Watts Bar Site Licensing
Peter Tam	NRC/NRR/PDII-4
Glenn Walton	NRC Region II

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		[48]	TS	2	RN	WATTS BAR 1 - CORRECTIVE ACTION PROGRAM: Q - LIST.	(05/22/89)	(08/16/90)	(11/07/90C)	(07/31/93T)	(09/30/93T)	Submittal to modify scope by 5/93. (Top 3)
M63591		[25]	TS	2	RN	WATTS BAR 1 - SPECIAL PROGRAM: EQUIPMENT QUALIFICATION OPEN ISSUE 4	(04/30/91)	(05/01/92)	(02/17/93C)	(09/30/93T)	(07/31/93T)	Review target date open. Region 11 leads 75 and 100% insp.
M63597		[55]	TS	3	RN	"WATTS BAR 1 - CONTAINMENT ISOLATION REVIEW"	(10/20/88)	(03/15/89)	(05/12/89C)	(07/31/93T)	(07/31/93T)	Need TVA info. on protection against thermal expansion.
M63632		[36]	TS	2	RN	"WATTS BAR 1 - MSLB OUTSIDE CONTAINMENT (SECT 3.11.3.3)"	(05/04/90)	(06/04/90)	(11/30/92C)	(06/15/93T)	(--/--/--)	Under review by LeGave, target 5/30/93.
M63648		[15]	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)	(03/01/93C)	(09/30/93T)	(08/30/93T)	Need response to 5/5/93 RAI. (Top 1 and 2)
M63649		[99]	TS	2	RN	WATTS BAR 1 - POWER SYSTEM CONCERNS, CONF. 28-35, LIC. COND. 13,17	(02/06/85)	(06/20/91)	(06/18/92C)	(08/30/93T)	(--/--/--)	Expect FSAR Chap. 8 be fully updated by Amendment 75 (6/93).
M63655		[48]	TS	2	RN	WATTS BAR 1 - SPECIAL PROGRAM: CONTROL ROOM DESIGN REVIEW	(05/22/89)	(04/28/89)	(10/24/90C)	(12/31/93T)	(08/31/93T)	Program review complete, SSER 6. Audit HEDs 12/93.
M63656		[3]	TS	3	RN	WATTS BAR 1 - EMERGENCY PLANNING LIC. COND. 27	(02/12/93)	(--/--/--)	(--/--/--)	(12/30/93T)	(11/30/93T)	2/12/93 submittal under review.
M63657		[34]	TS	2	RN	"WATTS BAR 1 - PHYSICAL SECURITY PLAN (SECT 13.6)"	(07/24/90)	(--/--/--)	(03/26/93C)	(09/30/93T)	(11/30/93T)	Revision of PSP by 7/93, per meeting of 4/27.
M68624	A022	[13]	TS	2	LN	"WATTS BAR 1 - IMPLEMENTATION OF THE STATION BLACKOUT RULE, 10CFR50.63"	(04/22/92)	(--/--/--)	(04/28/93C)	(05/31/93T)	(01/31/94T)	SE issued 3/18/93. TVA may implement by fuel load.
M71923		[48]	TS	2	RN	"WATTS BAR 1 CORRECTIVE ACTION PROGRAM (CAP) FOR QA RECORDS"	(05/22/89)	(04/10/91)	(02/04/93C)	(07/31/93T)	(09/30/93T)	TVA to submit info. re. material traceability by 5/93.
M72693	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.
M73723	F072	[46]	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 12/93.
M74488	B111	[8]	TS	3	RN	"WATTS BAR 1 - INDIVIDUAL PLANT EVALUATIONS (GL 88-20)"	(09/01/92)	(--/--/--)	(--/--/--)	(03/31/94T)	(03/31/94T)	Revision by 12/93; NRC review continuing.
M74801	A025	[0]	TS	3	RN	"WATTS BAR 1 - ACCEPTABLE IST PROGRAMS (GL 89-04)"	(--/--/--)	(--/--/--)	(--/--/--)	(09/30/93T)	(--/--/--)	Per GI 89-04. Relief requests by 10/93.
M76742		[41]	TS	2	RN	WATTS BAR 1 - TECHNICAL SPECIFICATION REVIEW	(12/29/89)	(04/02/93)	(04/30/93C)	(09/30/93T)	(--/--/--)	Response to "proof and review" under review.
M76881		[0]	TS	3	RN	WATTS BAR 1 - INSERVICE INSPECTION (LICENSE CONDITION 4)	(--/--/--)	(--/--/--)	(--/--/--)	(04/30/94T)	(--/--/--)	Submittal by 10/93.
M76972		[41]	TS	2	RN	WATTS BAR UNIT 1 - QUALITY ASSURANCE PROGRAM (SER SECTION 17.0)	(12/07/89)	(--/--/--)	(--/--/--)	(06/30/93T)	(--/--/--)	Response to SSER 5 to be in Q-List CAP revision.
M76974		[25]	TS	2	RN	WATTS BAR UNIT 1 - SPECIAL PROGRAM : MECHANICAL EQUIPMENT QUALIFICATION	(04/30/91)	(04/09/92)	(02/17/93C)	(07/31/93T)	(12/31/93T)	MEQ status in EQ RAI response of 2/17/93 (TAC M63591).
M77222		[34]	TS	2	RN	WATTS BAR UNIT 1 - SEVERE ACCIDENT MITIGATION DESIGN ALTERNATIVES (SAMDA) IN THE FES	(07/30/90)	(01/29/91)	(02/11/93C)	(09/30/93T)	(--/--/--)	Submittal by 5/93; review proceeds upon receipt of submittal
M77543		[100]	TS	2	RN	WATTS BAR 1 - PROCEDURE TO ESTIMATE CORE DAMAGE, (SECTION 9.3.2)	(01/31/85)	(--/--/--)	(06/30/93T)	(08/30/93T)	(--/--/--)	SSER 5. TVA submittal by 7/93, also address SER p. 9-18 req.
M77553		[9]	TS	2	RN	WATTS BAR 1 - OFFSITE DOSE CALCULATION MANUAL (ODQM)	(08/27/92)	(--/--/--)	(--/--/--)	(08/31/93T)	(--/--/--)	A. Massey is reviewer. Target date 7/15/93.
M77560		[104]	TS	3	RN	WATTS BAR 1 - HEAVY LOADS (LICENSE CONDITION 39)	(09/24/84)	(--/--/--)	(05/30/93T)	(08/31/93T)	(--/--/--)	TVA submittal by 5/93; last write-up in SSER 3, Section 9.1

Enclosure 2

Report Date 05/17/93

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
M77569		[1]	TS	2	RN	WATTS BAR 1 - STEAM GENERATOR TUBE	(04/13/93)	(--/--/--)	(--/--/--)	(07/31/93T)	(--/--/--)	TVA submittal of 4/13/93 under review, target 6/93.
M79692		[28]	TS	2	RN	WATTS BAR 1 - PIPE BREAK SPECTRA USED AS RESULT OF LLB APPROVAL	(01/29/91)	(03/25/93)	(05/30/93T)	(06/30/93T)	(--/--/--)	Under review by ECGB and SCSB; response to RAI by 5/93.
M79717		[28]	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)	(06/30/93T)	(--/--/--)	Outstanding Issue 19 e to remain open after SSER 11.
M79718		[25]	TS	2	RN	WATTS BAR 1 - MECHANICAL SYSTEMS CONCERNS ORIGINATING FROM FSAR AMEND. 64, OPEN ISSUE 20	(04/18/91)	(11/20/92)	(04/15/93C)	(06/15/93T)	(--/--/--)	Response of 4/15/93 (on OI 20(a)) under review.
M79992		[26]	TS	2	RN	WATTS BAR 1 - SAFETY AND RELIEF VALVE TESTING (TMI I.D.1)	(03/21/91)	(04/15/93)	(10/31/93T)	(12/31/93T)	(12/31/93T)	Response to 4/15/93 RAI by 10/93.
M80152		[31]	TS	3	RN	WATTS BAR 1 - CONTAINMENT EFFECTS DUE TO REMOVAL OF BORON INJECTION TANK	(10/18/90)	(--/--/--)	(01/21/92C)	(06/30/93T)	(--/--/--)	Review being transferred to Cont. & Sev. Accid. Branch.
M81063		[15]	TS	2	RN	WATTS BAR 1 - USE OF EAGLE 21 PROCESS PROTECTION SYSTEM	(02/26/92)	(--/--/--)	(10/26/92C)	(07/31/93T)	(--/--/--)	More submittals? RAI being written.
M81887		[9]	TS	2	RN	WATTS BAR UNIT 1 - USE OF VANTAGE - 5H FUEL DESIGN	(08/24/92)	(--/--/--)	(--/--/--)	(07/31/93T)	(--/--/--)	Under review; plan to have conference call.
M82644		[16]	TS	2	RN	WATTS BAR 1 - FSAR AMENDMENT 69.	(01/21/92)	(07/14/92)	(04/02/93C)	(05/15/93L)	(--/--/--NA)	4/28/93 telecon; TVA may submit final amendment on Chap.14.
M83202		[13]	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.
M83525	B120	[10]	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.
M83693	B118	[17]	PM	3	RR	WATTS BAR 1 - IPEEE FOR EXTERNAL EVENTS (GL 88-20) SUPPLEMENT 4	(12/20/91)	(--/--/--)	(--/--/--)	(12/31/95T)	(--/--/--)	Letter issued to approve 5/22/95 submittal date.
M84234		[9]	TS	2	RN	WATTS BAR 1 - FSAR AMENDMENT 71.	(08/05/92)	(--/--/--)	(03/16/93C)	(05/31/93T)	(--/--/--)	Under review.
M84249		[10]	TS	2	RN	WATTS BAR 1 - CONTROL ROD DRIVE MECHANISM SEISMIC QUALIFICATION.	(07/30/92)	(--/--/--)	(--/--/--)	(06/30/93T)	(--/--/--)	TVA submittal per 5/5/93 conference call by 5/93.
M84429		[9]	TS	2	RN	WATTS BAR 1 - SOLID RAD. WASTE PROCESS CONTROL PROGRAM.	(08/27/92)	(02/16/93)	(06/30/93T)	(07/31/93T)	(--/--/--)	Response to 2/16/93 RAI by 6/93.
M84733		[7]	TS	2	RN	WATTS BAR UNIT 1 - REVISED PRESSURE CALCULATION DUE TO MSLB OUTSIDE CONTAINMENT.	(10/13/92)	(--/--/--)	(--/--/--)	(07/31/93T)	(--/--/--)	Awaiting completion of TVA calculation by 6/30/93.
M85037		[6]	TS	2	RN	WATTS BAR 1 - FSAR AMENDMENT 72 REVIEW.	(11/30/92)	(--/--/--)	(--/--/--)	(07/31/93T)	(--/--/--)	Response to Pedersen's comments on Chap. 12 by Amend. 84.
M85460	B122	[0]	TS	2	RR	WATTS BAR 1 - RESPONSE TO NRC B90-01, SUPPL. 1, LOSS OF FUELOIL IN ROSEMOUNT TRANSMITTERS (FOLLOWUP MPA X001)	(--/--/--)	(--/--/--)	(--/--/--)	(12/31/94T)	(--/--/--)	TVA response by 8/93.
M85488		[4]	TS	2	RN	WATTS BAR 1 - SMALL-BREAK LOCA REANALYSIS	(01/09/93)	(--/--/--)	(--/--/--)	(05/31/93T)	(--/--/--)	SE coming; TVA to submit final FSAR changes.
M85622	L208	[1]	TS	1	RR	WATTS BAR 1 - THERMO LAG (GL 92-08)	(04/16/93)	(--/--/--)	(--/--/--)	(06/30/93T)	(--/--/--)	4/16/93 submittal under review.
M85712		[4]	TS	2	RN	WATTS BAR 1 - APPENDIX G EXEMPTIONS SER REVISION.	(01/28/93)	(--/--/--)	(--/--/--)	(06/30/93T)	(--/--/--)	Revise 1982 SER and review 1/28/93 submittal.
M85774		[2]	TS	2	RN	WATTS BAR UNIT 1 - FSAR AMENDMENT 73.	(03/30/93)	(02/22/93)	(--/--/--)	(07/31/93T)	(--/--/--)	3/30/93 response to RAI under review.
M85802		[2]	TS	2	RN	WATTS BAR 1 - UPFLOW MODIFICATION.	(03/08/93)	(--/--/--)	(--/--/--)	(07/31/93T)	(--/--/--)	Under review by T. Huang of SRXB, target 7/9/93.
M86037		[45]	PM	2	LR	WATTS BAR 1 - RELIEFS TO ASME CODE FROM 1986 - 1989	(04/01/93)	(--/--/--)	(--/--/--)	(05/31/93T)	(--/--/--)	Certain old requests found not addressed by NRC.
M86069		[2]	TS	2	RN	WATTS BAR UNIT 1 - ECCS EVALUATION MODEL CHANGES PER 10CFR 50.46	(03/17/93)	(--/--/--)	(--/--/--)	(05/31/93T)	(--/--/--)	TVA to discuss with staff schedule for LBLOCA reanalysis.

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
M86286		[1]	TS	2	LR	WATTS BAR UNIT 1 - RELIEF FROM ASME	(04/16/93)	(--/--/--)	(--/--/--)	(08/31/93T)	(--/--/--)	Considering re-evaluating SEs in IR 89-04, 90-02, 90-04.
M86347		[1]	TS	1	RN	WATTS BAR UNIT 1 - NEED TO REPERFORM HYDROSTATIC TEST OF RCS	(04/16/93)	(--/--/--)	(--/--/--)	(06/30/93T)	(--/--/--)	Under review with target of 6/15/93
R00514		[48]	TS	2	RN	"WATTS BAR UNIT 1: CORRECTIVE ACTION PROGRAM (CAP) PLAN FOR SEISMIC ANALYSIS" AND CIVIL CALC. PROGRAM	(05/22/89)	(01/26/93)	(04/08/93C)	(05/31/93T)	(05/31/93T)	7/27/92 and 4/8/93 submittals under review.
***** Not Scheduled Actions *****												
M40309		[50]	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.

Distribution

Enclosure 1

Docket File
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Enclosures 1 and 2

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