

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

March 18, 1986

Director of Nuclear Reactor Regulation  
Attention: Mr. B. J. Youngblood, Project Director  
PWR Project Directorate No. 4  
Division of Pressurized Water Reactors (PWR)  
Licensing A  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Youngblood:

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

Enclosed is a listing of outstanding TVA licensing items which have been submitted concerning the Watts Bar Nuclear Plant. This listing is provided to you and the Project Manager in order to resolve these technical issues in a timely fashion so that they will not become critical path items. It is also intended to develop a mutual agreement on the outstanding items remaining in the licensing of Watts Bar. We intend to provide updated lists to you approximately each month.

If there are any questions, please get in touch with K. P. Parr at FTS 858-2681.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*J. A. Romer*  
R. L. Gridley  
Manager of Licensing

Enclosure

cc: U.S. Nuclear Regulatory Commission (Enclosure)  
Region II  
Attention: Dr. J. Nelson Grace, Regional Administrator  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

8603250287 860318  
PDR ADOCK 05000390  
A PDR

WATTS BAR NUCLEAR PLANT  
OUTSTANDING LICENSING ITEMS

I. NRC/NRR Items  
B) Outstanding Licensing Issues

<u>Item</u>	<u>Status</u>	<u>Reference</u>	<u>Needed by</u>
1. NUREG 0737 - item II.F.1 - Continuous iodine and particulate sampling	TVA has verbal NRC approval. NRC will condition license. Awaiting SER suppl. #5.	L44 850426 808	ASAP
2. Chlorine detectors	NRC verbal approval. Awaiting SER suppl. #5. NRC has deleted from tech specs	To NRC 5/25/85 L44 850426 800	ASAP
3. Communication systems testing	Verbal closure from NRC. Awaiting SER suppl. #5.	To NRC 3/18/85	ASAP
4. D. G. Crankcase explosion protection	Verbal closure from NRC. Awaiting SER suppl. #5.	L44 850318 804 L44 850215 807	ASAP
5. Preop SU/Test	Verbal NRC closure. Awaiting suppl. #5.	L44 850327 812 L44 850415 811 L44 850531 807 L44 850820 803	ASAP
6. H <sub>2</sub> ignitor testing	Verbal approval from NRC. Awaiting SER suppl. #5.	L44 850214 800 L44 850409 808	ASAP
7. NUREG 0737 - item II.F.2 Inadequate core cooling (10 CFR Part 21 on incore thermocouples)	Verbal closure from NRC. Awaiting SER suppl. #5.	To NRC 9/19/85 L44 850321 806	ASAP
8. ADGU submittal (Amend 57)	Submitted 12/9/85. Currently under review. Amend 57 submitted 1/31/86	L44 850216 805 L44 851105 462 L44 851119 811 L44 860131 800	TBD
9. Criticality Monitor Exemption	Requested via tech specs and draft license comments - currently under NRC review.	L44 850801 803	ASAP

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10. Natural Circulation Testing	NRC agreed to exemption in 4/10/85 meeting. Awaiting next draft license.	L44 850926 802 L44 851016 805	ASAP
11. Draft Operating License TVA comments on NRC 5-20-85 draft	Submitted to NRC 8/1/85. Currently under review.	L44 850801 803	ASAP
12. Welding - establish quality of field weld and resolve programatic problems	- program plan submitted 1/17/86.		ASAP
13. Technical Specification Certification	TVA submitted latest certifications on 12/13/85. Currently under NRC review. (see attached listing)	L44 851213 807 L44 860128 804	ASAP
14. Unit 2 shield bldg stack rad monitors	TVA has verbal NRC approval. Awaiting SER suppl. #5.	L44 850426 808 L44 850822 805	ASAP
15. FPS-2 Intrusion Detection System	Letter of intent has been sent to commit to spacial system - will discontinue monthly submittals. Submitted 1/21/86.	L44 860121 807	TBD
16. RCCA rod withdrawal reanalysis (uncontrolled rod withdrawal in mode 4)	Previous submittals. Request for addl info and/or commitment on hold. Licensing has requested telecon with NRC concerning this issue.	L44 850409 808 L44 850621 807	TBD

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17. Seismic qualification (Additional information on in-situ testing of main control panel)	Under NRC review. Submitted 1/30/86. Should satisfy draft license condition 2.c.(4)	L44 860130 813	ASAP
18. D/G Piping classification ANSI B31.9 vs. ASME section III	Verbal NRC closure. Awaiting SER supplement #5.	L44 850418 809 L44 850830 804	ASAP
19. SPDS isolation devices and <u>W</u> AR relays	All test results provided to NRC. Awaiting NRC review.	L44 851016 805 L44 850905 807	TBD
20. Appendix R (Fire Protection)	Awaiting SER suppl #5.		ASAP
21. ECCS reanalysis. NRC request for small break LOCA reanalysis and FSAR update	TVA provided justification for existing sensitivity analysis on 1/22/86.	L44 850621 807 L44 851224 646 L44 860122 807	ASAP
22. Use of Higher Variable Damping Values and an Alternate Peak Broadening Tech in Seismic Pipe Analysis	Submitted 7/17/85. Currently under NRC review. Response to Novak to Parris dated 1/28/85	To NRC 10/9/84 L44 850717 801	TBD
23. Use of T <sub>SAT</sub> indication in the ACR to infer T <sub>COLD</sub>	Submitted 9/26/85. Currently under NRC review	L44 850328 806 L44 850801 817 L44 850926 802	ASAP
24. TVA SER review in response to RII 390/85-33	SER review identified 29 items requiring NRC action - submitted 8/30/85		TBD
25. SPDS NUREG 0737 Item I.D.2	Submitted to NRC 6/25/85	A27 830415 015 L44 850625 802	TBD

- Provided implementation  
plan (V+V program)

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<u>Item</u>	<u>Status</u>	<u>Reference</u>	<u>Needed by</u>
26. Generic Letter 83-28 (Salem ATWS events)			
- Item 5.0 (4.2.3 and 4.2.4)	Submitted to NRC 2/10/86	L44 860210 808	TBD
27. PSP Revision 14	Submitted 1/30/86 Awaiting SER supplement	L44 860130 808	TBD
28. MSLB inside containment analysis	Submitted 6/18/85 Awaiting NRC approval	L44 850618 807	TBD

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B) Outstanding Licensing IssuesCERTIFICATION TECH. SPEC. CHANGES

<u>Page</u>	<u>Description</u>	<u>Reference</u>
3/4 1-9.	Natural Circulation Waiver	4/9/85 RHS to NRC
3/4 3	LTOP	6/21/85 JAD to NRC
3/4 3-12	Renumber Section 3	12/13/85 JWH to NRC
3/4 3-14	Add Note 15 on operational testing	1/28/86 RLG to NRC
3/4 3-15	Add Note 15 on operational testing	1/28/86 RLG to NRC
3/4 3-34	AFW pump testing	12/13/85 JWH to NRC
3/4 3-40	Notes on response time	12/13/85 JWH to NRC
3/4 3-42	Add Note 5 on operational testing	1/28/86 RLG to NRC
3/4 3-44	Add Note 5 on operational testing	1/28/86 RLG to NRC
3/4 3-45	Criticality monitor exemption	7/15/85 JAD to NRC
3/4 3-46	Criticality monitor exemption	7/15/85 JAD to NRC
3/4 3-49	Criticality monitor exemption	7/15/85 JAD to NRC
3/4 3-56	Seismic monitor ranges	9/24/85 JAD to NRC
3/4 3-73	Add P-6 notes	7/15/85 JAD to NRC
3/4 3-83,84	Fire detectors	12/13/85 JWH to NRC
3/4 3-87	Notes on explosive gas mixture	12/13/85 JWH to NRC
3/4 4-3	Notes on gaseous effluent monitors	12/13/85 JWH to NRC
3/4 4-9	Mode 4 RCPs running	4/9/85 RHS to NRC
3/4 4-11	Correct pressurizer heater test	7/15/85 JAD to NRC
3/4 4-20	Correct PORV test	7/15/85 JAD to NRC
3/4 4-22	PIV leakage	4/9/85 RHS to NRC
3/4 4-36	PIV leakage	4/9/85 RHS to NRC
3/4 4-38	LTOP	6/21/85 JAD to NRC
3/4 5-8	LTOP	6/21/85 JAD to NRC
	ECCS CCP flow value	4/9/85 RHS to NRC



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		Revision date <u>2/14/86</u>	

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3/4 5-9	LTOP	6/21/85 JAD to NRC
3/4 5-10	LTOP	6/21/85 JAD to NRC
3/4 6-14	Revise annulus in leakage	7/15/85 JAD to NRC
3/4 8-4	Correct DG inspections	7/15/85 JAD to NRC
3/4 8-15	Vital inverter power supply	6/21/85 JAD to NRC
3/4 8-16	Vital inverter power supply	6/21/85 JAD to NRC
3/4 8-17	Vital inverter power supply	6/21/85 JAD to NRC
3/4 8-38,41,43,66	Penetration protective devices	12/13/85 JWH to NRC
3/4 8-68	Thermal overload bypasses	6/21/85 JAD to NRC
3/4 8-71	Thermal overload bypasses	6/21/85 JAD to NRC
3/4 8-72	Thermal overload bypasses	6/21/85 JAD to NRC
3/4 8-73	Delete valves from SR	7/15/85 JAD to NRC
B3/4 1-2	LTOP	6/21/85 JAD to NRC
B3/4 4-5	PIV leakage	4/9/85 RHS to NRC
B3/4 4-15	LTOP	6/21/85 JAD to NRC
B3/4 5-2	LTOP	6/21/85 JAD to NRC
5-2	Revised Figure 5.1-1	8/22/85 JAD to NRC

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3/4 8-17	Vital inverter power supply	6/21/85 JAD to NRC
3/4 8-38, 41, 43, 66	Penetration protective devices	12/13/85 JWH to NRC
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5-2	Revised Figure 5.1-1	8/22/85 JAD to NRC