

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

November 1, 1983

Director of Nuclear Reactor Regulation
Attention: Ms. E. Adensam, Chief
Licensing Branch No. 4
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Ms. Adensam:

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

Enclosed is information concerning various TVA commitments and Safety Evaluation Report (SER) items required before receipt of an operating license for Watts Bar Nuclear Plant. Enclosure 1 provides status on certain items related to fire protection, and Enclosure 2 contains information on miscellaneous commitments.

If you have any questions concerning this matter, please get in touch with D. P. Ormsby at FTS 858-2682.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills

L. M. Mills, Manager
Nuclear Licensing

Sworn to and subscribed before me
this 1st day of November 1983

Paulette H. White

Notary Public

My Commission Expires 9-5-84

Enclosures (2)

cc: U.S. Nuclear Regulatory Commission (Enclosures)
Region II

Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

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ENCLOSURE 1

WATT'S BAR NUCLEAR PLANT UNITS 1 AND 2
FIRE PROTECTION

<u>SER Section</u>	<u>Item</u>	<u>Status</u>
9.5.1.2	TVA commitment to relocate two (one primary and one secondary) fire pump relays.	Unit 1 - Complete Unit 2 - Open
9.5.1.2	By letter dated 9/9/80 from L. M. Mills to A. Schwencer, TVA agreed to provide supervised alarm circuits for loss-of-line power and motor-running condition for each of the fire pumps and alarm and annunciation in the Main Control Room	Unit 1 - Complete Unit 2 - Complete
9.5.1.3	By letter from L. M. Mills to A. Schwencer dated September 9, 1980, TVA committed to provide fire dampers in the ventilation ducts when the ducts penetrate the fire barriers.	Unit 1 - Complete Unit 2 - Complete
9.5.1.3	By letter from L. M. Mills to E. Adensam dated August 28, 1981, TVA committed to ensure documentation of the approved rating for the fire door assemblies between the electrical board rooms in the diesel generator building.	Unit 1 - Complete Unit 2 - Complete
9.5.1.4	As specified in a letter from L. M. Mills to A. Schwencer dated September 9, 1980 and clarified by letter from L. M. Mills to E. Adensam dated August 28, 1981 and by letter from D. S. Kammer to E. Adensam dated June 26, 1983, TVA committed to the following: fixed, self-contained lighting consisting of fluorescent or sealed beam units with an individual eight-hour maximum battery power supply will be provided in areas that must be manned for safe shutdown and for access and egress routes to and from all fire areas containing equipment required for safe shutdown.	Unit 1 - Complete Unit 2 - Complete
9.5.1.5	By letter dated August 28, 1981 from L. M. Mills to E. Adensam, TVA committed to provide additional hose stations at the upper elevation of the intake pumping station.	Unit 1 - Complete Unit 2 - Complete

ENCLOSURE 1

WATT'S BAR NUCLEAR PLANT UNITS 1 AND 2
FIRE PROTECTION

<u>SER Section</u>	<u>Item</u>	<u>Status</u>
9.5.1.5	By letter dated August 28, 1981 from L. M. Mills to E. Adensam, TVA committed to install 4-inch high curbs at each entrance doorway to the auxiliary instrument room.	Unit 1 - Complete Unit 2 - Complete
9.5.1.5	By letter dated July 9, 1982 from L. M. Mills to E. Adensam, TVA committed to modify the fire protection spray shields in the oil containment and collection system for the reactor coolant pumps in accordance with 10 CFR 50, Appendix R.	Unit 1 - Complete Unit 2 - Open
9.5.1.5	The SER specifies that TVA will provide automatic sprinkler coverage under the mezzanine for all five component cooling water pumps.	Unit 1 - Complete Unit 2 - Open
9.5.1.5	By letter dated 9/9/80 from L. M. Mills to A. Schwencer, TVA specified that all exposed cables within the control building cable spreading room will be coated with a fire retardant material.	Unit 1 - Complete Unit 2 - Complete
9.5.1.5	By letter dated 8/28/81 from L. M. Mills to E. Adensam, TVA agreed that all exposed cables within the reactor building annulus will be coated with a fire retardant mastic material.	Unit 1 - Complete Unit 2 - Complete
9.5.1.5	By letter dated 8/28/81 from L. M. Mills to E. Adensam, TVA agreed that all exposed cables in the auxiliary building at elevation 713.0 will be coated with a fire retardant mastic material.	Unit 1 - Complete Unit 2 - Complete
9.5.1.5	By letter dated 8/28/81 from L. M. Mills to E. Adensam, TVA agreed to install wire mesh screens on dampers in the auxiliary control instrument rooms.	Unit 1 - Complete Unit 2 - Complete
9.5.1.5	The SER states that TVA is required to provide a one hour fire-rated barrier to separate the train A CCW pumps, so that the barrier will extend approximately 3 feet above the highest point of each pump.	Unit 1 - Complete Unit 2 - Open

ENCLOSURE 2

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
MISCELLANEOUS COMMITMENTS

<u>SER Section</u>	<u>Item</u>	<u>Status</u>
3.9.3.3	By letter dated 7/22/83, TVA committed to change the internals of the Crosby HB-BP-86 6M6 safety valves from water to steam.	Unit 1 - Complete Unit 2 - Open
7.4.2	By letter dated 10/27/81 from L. M. Mills to E. Adensam, TVA agreed that steam generator level indicators will be installed on the auxiliary control panel.	Unit 1 - Complete Unit 2 - Open
8.3.3.6	The SER restates an FSAR commitment that a redundant reactor coolant pump circuit breaker will be installed in series with the existing circuit breaker.	Unit 1 - Complete Unit 2 - Open
9.2.2	By letter dated 10/28/81 from L. M. Mills to E. Adensam, TVA committed to relocate the thermal barrier booster pumps, in the Component Coolant System, above the probable maximum flood level (el. 738.1). This is specified in the SER as confirmatory item 37.	Unit 1 - Complete Unit 2 - Open
9.5.6	TVA committed in response to NRC question 040.100 to install a regenerative (dual-power) desiccant-type air dryer with a coalescing pre-filter and particulate after-filter in the diesel generator starting air system.	Unit 1 - Complete Unit 2 - Open
11.3	In response to NRC question 321.14, TVA committed to install an oxygen analyzer in the waste gas treatment system to sample waste gases at the discharge of the compressor between the compressor and its discharge valve.	Unit 1 - Complete Unit 2 - Open
11.7.2	By letter dated 9/14/81 from L. M. Mills to E. Adensam, TVA committed to incorporate a second pressure boundary on approximately 20 vents and drains found on pump suction lines and pump casings of systems carrying radioactive fluid.	Unit 1 - Complete Unit 2 - Open

ENCLOSURE 2

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
MISCELLANEOUS COMMITMENTS

<u>SER Section</u>	<u>Item</u>	<u>Status</u>
Chapter 14	By letter dated 11/16/81 from L. M. Mills to E. Adensam, TVA committed to revise FSAR table 14.2-1 to reflect changes in preoperational tests TVA-27B, TVA-43A, and TVA-43B.	Unit 1 - Complete Unit 2 - Complete
Appendix C	By letter dated 1/27/82 from L. M. Mills to E. Adensam, TVA committed to install a permanent hydrogen mitigation system.	Unit 1 - Complete Unit 2 - Complete
NRC Question Q31.128	In response to this question, TVA agreed to provide additional heat tracing and insulation on the refueling water storage tank, feedwater flow, and mainsteam pressure instrumentation.	Unit 1 - Complete Unit 2 - Complete