



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
WASHINGTON, D.C. 20555-0001

September 17, 2019

**LICENSEE:** Tennessee Valley Authority

**FACILITY:** Watts Bar Nuclear Plant, Units 1 and 2

**SUBJECT:** SUMMARY OF SEPTEMBER 5, 2019, CLOSED MEETING WITH TENNESSEE VALLEY AUTHORITY TO DISCUSS A PLANNED LICENSE AMENDMENT FOR WATTS BAR NUCLEAR PLANT, UNITS 1 AND 2 (EPID L-2019-LRM-0036)

On September 5, 2019, a closed meeting was held by teleconference between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of Tennessee Valley Authority (the licensee). This was a followup to the meeting held on July 1, 2019, to discuss a planned license amendment request (LAR) for the implementation of full spectrum loss-of-coolant accident (LOCA) analysis methodology and to more realistically model the post-LOCA behavior of tritium producing burnable absorber rods at Watts Bar Nuclear Plant, Units 1 and 2 (Watts Bar). The summary for the July 1, 2019, meeting dated August 15, 2019, is available in the NRC's Agencywide Documents Access and Management System (ADAMS) at Accession No. ML19218A228. Specifically, the purpose of this meeting on September 5, 2019, was for the licensee to provide an update on the status of a recently discovered coding error, and the impact on its planned LAR. The meeting notice and agenda for this meeting, dated August 26, 2019, are available at ADAMS Accession No. ML19238A230. A list of attendees is enclosed. This meeting was closed to the public due to the discussion of proprietary information.

During the meeting, the licensee stated that it had completed its assessment of the impact of a coding error on the planned LAR and determined that the nature of the coding error was not in the methodology itself, but in the application of the methodology. As part of its assessment, the licensee identified the design-basis events affected by the error. The licensee stated that it planned to apply a penalty to the peak cladding temperature for each of the impacted events. The licensee briefly explained the basis for its derivation of the appropriate penalties. Finally, the licensee stated that it intended to submit the license amendment request by the end of September 2019.

The NRC staff stated that a topic that may be examined in a review of the planned license amendment would be the effect of incorporating figures of merit for the tritium production rods into the existing statistical uncertainty methodology for the LOCA event.

No regulatory decisions were made at this meeting.

Please direct any inquiries to me at 301-415-6459 or [Michael.Wentzel@nrc.gov](mailto:Michael.Wentzel@nrc.gov).

**/RA/**

Michael J. Wentzel, Project Manager  
Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-390 and 50-391

Enclosure:  
List of Attendees

cc: Listserv

LIST OF ATTENDEES

SEPTEMBER 5, 2019, CLOSED MEETING WITH TENNESSEE VALLEY AUTHORITY

REGARDING A PLANNED LICENSE AMENDMENT REQUEST

FOR WATTS BAR NUCLEAR PLANT, UNITS 1 AND 2

<b>Name</b>	<b>Organization</b>
Reed Anzalone	U.S. Nuclear Regulatory Commission (NRC)
Robert Beaton	NRC
Josh Borromeo	NRC
Ravi Grover	NRC
John Lehning	NRC
Michael Wentzel	NRC
Carla Borrelli	Tennessee Valley Authority (TVA)
David Brown	TVA
Mark Burzynski	TVA
Chris Carey	TVA
Kasey Decker	TVA
Mike Howard	TVA
Russell Wells	TVA
Jeff Kobalak	Westinghouse
Marianne Rudakewiz	Westinghouse
Mike Shockling	Westinghouse
Robert Montgomery	Pacific Northwest National Laboratory
Bob Oelrich	Pacific Northwest National Laboratory

Enclosure

SUBJECT: SUMMARY OF SEPTEMBER 5, 2019, CLOSED MEETING WITH TENNESSEE VALLEY AUTHORITY TO DISCUSS A PLANNED LICENSE AMENDMENT FOR WATTS BAR NUCLEAR PLANT, UNITS 1 AND 2 (EPID L-2019-LRM-0036) DATED SEPTEMBER 17, 2019

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DATE	9/16/19	9/12/19	9/16/19	9/17/19

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