



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

March 3, 2021

LICENSEE: Tennessee Valley Authority

FACILITY: Watts Bar Nuclear Plant, Unit 2

SUBJECT: SUMMARY OF FEBRUARY 11, 2021, MEETING WITH TENNESSEE VALLEY AUTHORITY RELATED TO A PLANNED LICENSE AMENDMENT REQUEST FOR WATTS BAR NUCLEAR PLANT, UNIT 2, TO APPLY A TEMPERATURE ADJUSTED STEAM GENERATOR TUBE FLAW GROWTH RATE METHODOLOGY (EPID L-2021-LRM-0012)

On February 11, 2021, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of the Tennessee Valley Authority (TVA, the licensee) and Westinghouse Electric Company (Westinghouse) via teleconference. The purpose of the meeting was to discuss a planned license amendment request for Watts Bar Nuclear Plant (Watts Bar), Unit 2, to apply a temperature adjusted steam generator tube flow growth rate methodology. The planned amendment would allow the licensee to postpone steam generator tube examinations by approximately 27 days to avoid removing Watts Bar, Unit 2, from the electrical grid during anticipated peak electrical demand (September 2021 versus August 2021). The meeting notice and agenda, dated January 28, 2021, are available in the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML21032A259. A list of attendees is provided as an enclosure.

The licensee presented information (ADAMS Accession No. ML21041A155) on the planned content, timing, and necessity of the amendment request. Specifically, the planned amendment would revise the Watts Bar Nuclear Plant Updated Final Safety Analysis Report (UFSAR) to allow the use of a temperature adjusted growth rate methodology for Watts Bar, Unit 2, steam generator tube flaw indications, as well as provide the accompanying analysis from Westinghouse to support the change. The licensee stated that the timing of the submittal and requested approval of the planned amendment would facilitate outage and inspection planning activities at the facility, as well as electrical supply reporting to the North American Electrical Reliability Corporation.

The NRC staff queried the licensee on the planned content and necessity for the amendment. The licensee responded that the UFSAR change would consist of applying a reduced reactor coolant system hot leg temperature as an input to steam generator tube flaw growth methodology. The licensee also stated that the proposed change was screened through its existing change processes and the licensee determined that prior NRC approval was required to implement the methodology. The NRC staff queried whether analyses were performed to demonstrate that no existing safety analyses would be affected by the change. The licensee responded that the planned amendment was not seeking a change to their existing safety analyses, and that a margin analysis was performed to confirm that existing design and licensing bases events/accidents would be unaffected due to operation at a reduced reactor coolant system hot leg temperature. The NRC staff suggested that the licensee include a

statement addressing the results of the margin analysis within the planned amendment. The licensee responded that they planned to include such a statement within the planned amendment.

Members of the public were in attendance. Public Meeting Feedback was not received.

Please direct any inquiries to me at 301-415-0272, or Lucas.Haeg@nrc.gov.

/RA/

Lucas Haeg, Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-391

Enclosure: List of Attendees

cc w/ enclosure: Listserv

LIST OF ATTENDEES

FEBRUARY 11, 2021, MEETING WITH TENNESSEE VALLEY AUTHORITY
AND WESTINGHOUSE RELATED TO A PLANNED LICENSE AMENDMENT REQUEST FOR
WATTS BAR NUCLEAR PLANT, UNIT 2, TO APPLY A TEMPERATURE ADJUSTED STEAM
GENERATOR TUBE FLAW GROWTH RATE METHODOLOGY

Nuclear Regulatory Commission

Kimberly Green
Lucas Haeg
Summer Sun
Steven Bloom
Victor Cusumano
Paul Klein
Gregory Makar
Undine Shoop
Andrew Johnson
Mathew Burton
Clint Ashley
Alexander Butcavage

Tennessee Valley Authority

Kimberly Hulvey
Bryan Mack
Anne Robinson-Givens
Jeremy Mayo
Jonathan Pope
Ronald Rogers
Gordon Williams
Jesse Baron
Christopher Carey
Tammy Sears
Robert Grower

Licensee Contractor (Westinghouse)

James Smith
Gary Whiteman
Michael Bradley
Bradley Carpenter
John Fisher
Nathan Lang

Members of the Public

Robert Montgomery
Ed Love

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AUTHORITY RELATED TO A PLANNED LICENSE AMENDMENT REQUEST
FOR WATTS BAR NUCLEAR PLANT, UNIT 2, TO APPLY A TEMPERATURE
ADJUSTED STEAM GENERATOR TUBE FLAW GROWTH RATE
METHODOLOGY (EPID L-2021-LRM-0012) DATED MARCH 3, 2021

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ADAMS Accession Nos.:

ML21060B097 (Package)

ML21032A259 (Meeting Notice)

ML21060B053 (Meeting Summary)

ML21041A155 (Handouts)

OFFICE	NRR/DORL/LPL2-2/PM	NRR/DORL/LPL2-2/LA	NRR/DNRL/NCSSG/BC
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DATE	02/24/2021	03/01/2021	03/01/2021
OFFICE	NRR/DORL/LPL2-2/BC	NRR/DORL/LPL2-2/PM	NRR/DORL/LPL2-2/PM
NAME	UShoop	KGreen	LHaeg
DATE	03/02/2021	03/02/2021	03/03/2021

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