



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

August 13, 2021

Mr. James Barstow
Vice President, Nuclear Regulatory
Affairs and Support Services
Tennessee Valley Authority
1101 Market Street, LP 4A-C
Chattanooga, TN 37402-2801

SUBJECT: WATTS BAR NUCLEAR PLANT, UNIT 2 – REGULATORY AUDIT SUMMARY
RELATED TO REQUEST TO REVISE TECHNICAL SPECIFICATIONS TO
CHANGE THE STEAM GENERATOR WATER LEVEL (EPID L-2021-LLA-0032)

Dear Mr. Barstow:

By letter to the U.S. Nuclear Regulatory Commission (NRC) dated March 2, 2021, Tennessee Valley Authority (TVA) submitted a license amendment request that would amend the Watts Bar, Unit 2 Technical Specifications (TS) to change the steam generator (SG) water level requirement in Watts Bar, Unit 2 TS Limiting Condition for Operation (LCO) 3.4.7.b, "RCS Loops - MODE 5, Loops Filled," and Surveillance Requirements (SR) 3.4.5.2, "RCS Loops - MODE 3," SR 3.4.6.3, "RCS Loops - MODE 4," and SR 3.4.7.2 from greater than or equal to (\geq) 6 percent (%) to \geq 32%. The proposed change is needed to support the Watts Bar, Unit 2 Replacement SG (RSG) project.

To enhance the review of TVA's request, the NRC staff conducted an audit of supporting documents on June 3, 2021. The staff audited the requested documents to confirm certain information relied upon in the license amendment request. A summary of the regulatory audit is enclosed.

The NRC staff did not identify any significant issues during the audit. The staff also identified there is no additional information needed to complete the review of the subject license amendment request.

Sincerely,

/RA/

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

Docket No. 50-391

Enclosure:
Regulatory Audit Summary

cc: Listserv



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REGULATORY AUDIT SUMMARY RELATED TO LICENSE AMENDMENT REQUEST
TO REVISE TECHNICAL SPECIFICATIONS TO
CHANGE THE STEAM GENERATOR WATER LEVEL
TENNESSEE VALLEY AUTHORITY
WATTS BAR NUCLEAR PLANT, UNIT 2
DOCKET NO. 50-391

1.0 BACKGROUND

A regulatory audit is a planned license or regulation-related activity that includes the examination and evaluation of docketed and non-docketed information. The audit was conducted with the intent to gain understanding, to verify information, and to identify information that will require docketing to support the basis of a licensing or regulatory decision.

By letter dated March 2, 2021, Tennessee Valley Authority (TVA) submitted a license amendment request that would amend the Watts Bar, Unit 2 Technical Specifications (TS) to change the steam generator (SG) water level requirement in Watts Bar, Unit 2 TS Limiting Condition for Operation (LCO) 3.4.7.b, "RCS [Reactor Coolant System] Loops - MODE 5, Loops Filled" and Surveillance Requirements (SR) 3.4.5.2, "RCS Loops - MODE 3," SR 3.4.6.3, "RCS Loops - MODE 4," and SR 3.4.7.2, "RCS Loops – MODE 5, Loops Filled," from greater than or equal to (\geq) 6 percent (%) to \geq 32%. The proposed change is needed to support the Watts Bar, Unit 2 Replacement SG (RSG) project.

The U.S. Nuclear Regulatory Commission (NRC) staff performed a preliminary review of the licensing amendment request (LAR) and determined that a regulatory audit would assist in the timely completion of the review. The regulatory audit was performed consistent with NRC Office of Nuclear Reactor Regulation Office Instruction LIC-111, Revision 1, "Regulatory Audits," dated October 31, 2019 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML19226A274).

2.0 AUDIT ACTIVITIES AND RESULTS

The NRC staff conducted a regulatory audit that consisted of a remote audit on June 3, 2021. The audit plan was provided to TVA on May 24, 2021 (ADAMS Accession No. ML21144A074). The list of documents uploaded by the licensee in response to the NRC staff's request and examined by the audit team is provided in Section 4.0 below.

The remote audit was conducted using an online portal and teleconferencing capabilities. The purpose of the audit was to (1) examine several analyses or documents referenced in the LAR but not provided as part of the LAR, and (2) identify any information that would be required from

the licensee to be provided on the docket for the NRC to render a staff finding to support the safety evaluation.

The NRC staff examined the documents identified in Section 4.0 below and held an audit call with members of TVA on June 3, 2021, regarding the LAR under review.

At the conclusion of the audit, the NRC staff determined that additional information would not be needed in order for the staff to complete the review of the LAR.

3.0 AUDIT PARTICIPANTS

NRC

R. Beaton
N. Carte
M. Mahoney

TVA

R. Wells
G. Williams

4.0 DOCUMENTS PROVIDED IN ELECTRONIC READING ROOM

Westinghouse Calculation CN-SCS-16-12, Revision 2, "Watts Bar Unit 2 RSG [Replacement Steam Generator] Narrow Range Level Uncertainty for EOP [Emergency Operating Procedure] Applications and Technical Specifications Level Surveillances."

Westinghouse LTR-SCS-21-42, Revision 0, Attachment 1, "Watts Bar Unit 2: Bases for the Technical Specification Surveillance Limit for Steam Generator Level," May 28, 2021, Attachment to WAT-D-12773.

TVA Drawing 20010E01, Sheet 1 of 3, Revision 2, "General Arrangement TVA – Watts Bar 2 RSG."

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 SUMMARY RELATED TO REQUEST TO REVISE TECHNICAL
 SPECIFICATIONS TO CHANGE THE STEAM GENERATOR WATER
 LEVEL (EPID L-2021-LLA-0032) DATED: AUGUST 13, 2021

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ADAMS Accession No. ML21217A222

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