



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

June 27, 2022

LICENSEE: Tennessee Valley Authority

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

SUBJECT: SUMMARY OF JUNE 9, 2022, MEETING WITH TENNESSEE VALLEY AUTHORITY REGARDING A PROPOSED LICENSE AMENDMENT REQUEST RELATED TO LOW TEMPERATURE OVERPRESSURE SYSTEM AND COLD OVERPRESSURE MITIGATION SYSTEM FOR SEQUOYAH AND WATTS BAR NUCLEAR PLANTS (EPID L-2022-LRM-0040)

On June 9, 2022, the U.S. Nuclear Regulatory Commission (NRC) staff conducted an observation meeting with representatives of the Tennessee Valley Authority (TVA). The purpose of the meeting was to discuss TVA's proposed license amendment request related to the low temperature overpressure system at Sequoyah Nuclear Plant (Sequoyah), Units 1 and 2, and the cold overpressure mitigation system at Watts Bar Nuclear Plant (Watts Bar), Units 1 and 2.

The meeting notice and agenda, dated May 19, 2022, are available at Agencywide Documents Access and Management System (ADAMS) Accession No. ML22139A021. TVA's presentation slides for the meeting are available in ADAMS (ML22157A413). A list of participants is enclosed.

TVA stated that it plans to request an amendment to the operating licenses for Sequoyah, Units 1 and 2, and Watts Bar, Units 1 and 2, to revise Technical Specification 3.4.12, "Low Temperature Overpressure Protection (LTOP) System," and Technical Specification 3.4.12, "Cold Overpressure Mitigation System (COMS)," respectively. The proposed amendments will add a note to the respective technical specifications to allow the operation of one safety injection pump (SIP) capable of injecting into the reactor coolant system (RCS) during Modes 5 or 6 with the pressurizer manway cover removed. The reasons for the request are to provide flexibility in critical path scheduling during outages and to enable specialized outage resources to be released from the outage project more rapidly since outage resources are often shared between the two plants.

TVA explained that to preclude the need for a redesign of the LTOP/COMS, which would require reanalysis and possibly a change in setpoints for the power-operated relief valves (PORVs), the RCS can be vented to the containment atmosphere via the pressurizer manway for the duration that the SIP will be capable of injecting into the RCS. TVA performed an analysis to demonstrate that the pressurizer manway opening is capable of relieving the mass input transient of the charging pump and SIP. TVA concluded that the proposal to operate the safety injection pump during the applicable modes for LTOP/COMS will not require a redesign of the systems nor the PORV setpoints.

TVA plans to submit the license amendment request by July 21, 2022, and will request approval by July 2023.

No regulatory decisions were made at this meeting.

Please direct any inquiries to me at 301-415-1627 or by e-mail to Kimberly.Green@nrc.gov.

/RA/

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Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-327 and 50-328
50-390 and 50-391

Enclosure:
List of Participants

cc: Listserv

LIST OF PARTICIPANTS

JUNE 9, 2022, PUBLIC MEETING WITH TENNESSEE VALLEY AUTHORITY
REGARDING SEQUOYAH NUCLEAR PLANT AND WATTS BAR NUCLEAR PLANT
PROPOSED LICENSE AMENDMENT REQUEST FOR LOW TEMPERATURE
OVERPRESSURE SYSTEM AND COLD OVERPRESSURE MITIGATION SYSTEM

<u>Name</u>	<u>Affiliation</u>
Kim Green	U.S. Nuclear Regulatory Commission (NRC)
Perry Buckberg	NRC
Santosh Bhatt	NRC
Steve Smith	NRC
Andy Taylor	Tennessee Valley Authority (TVA)
Dean Baker	TVA
Mike Bruchey	TVA
Chris Carey	TVA
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Kasey Decker	TVA
Shawna Hughes	TVA
Dave Porter	TVA
Earl Ridgell	TVA
Russ Wells	TVA
Gordon Williams	TVA

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RELATED TO LOW TEMPERATURE OVERPRESSURE SYSTEM AND COLD
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NUCLEAR PLANTS (EPID L-2022-LRM-0040) DATED JUNE 27, 2022

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***by email**

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DATE	06/16/2022	06/27/2022	06/27/2022	06/27/2022

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