



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

August 15, 2024

LICENSEE: Tennessee Valley Authority

FACILITY: Sequoyah Nuclear Plant, Units 1 and 2

SUBJECT: SUMMARY OF JULY 16, 2024, PUBLIC PRE-APPLICATION MEETING WITH TENNESSEE VALLEY AUTHORITY REGARDING A FUTURE SEQUOYAH NUCLEAR PLANT LICENSE AMENDMENT REQUEST RELATED TO CONTAINMENT PENETRATIONS AND FUEL HANDLING ACCIDENT ANALYSIS (EPID L-2024-LRM-0079)

On July 16, 2024, the U.S. Nuclear Regulatory Commission (NRC) staff held a virtual public meeting with representatives from Tennessee Valley Authority (TVA). The purpose of the meeting was to discuss the licensee's plans to submit a license amendment request (LAR) applicable to Sequoyah Nuclear Plant, Units 1 and 2 (Sequoyah), to revise Technical Specification (TS) 3.3.6, "Containment Ventilation Isolation Instrumentation," delete TS 3.9.4, "Containment Penetrations," and to revise the Fuel Handling Accident (FHA) dose analysis. The meeting notice and agenda, dated June 25, 2024, are available in the NRC's Agencywide Documents Access and Management System (ADAMS) under Accession No. ML24178A311. A list of attendees is provided in the enclosure.

During the meeting, the licensee presented information (ML24191A064) regarding the proposed TS changes and the revised FHA dose analysis which does not credit containment penetration closures related to TSs 3.3.6 and 3.9.4. The proposed TS changes are expected to result in a more efficient outage schedule. The licensee also discussed which inputs and assumptions from the FHA dose analysis are expected to change which will include the FHA fuel decay time being reduced from 100 hours to 70 hours.

Below is a summary of the key comments and discussions:

1. Since revised FHA dose analysis will utilize Regulatory Guide (RG) 1.183, Rev. 0, "Alternative Radiological Source Terms for Evaluating Design Basis Accidents at Nuclear Power Reactors," the revised FHA dose analysis should comply with RG 1.183, Rev. 0, footnote 11, regarding the applicability of the non-loss of coolant accident release fractions stated in the RG.
2. An FHA and new FHA input parameter comparison table, similar to the effective comparison table in the 2022 Vogtle Electric Generating Plant LAR (ML22181B066) (begins on page 216), would help the NRC staff perform a more efficient review.
3. An explanation of how the FHA minimum decay time may change to 70 hours with no change to TS 3.9.8, "Decay Time" would help the NRC staff perform a more efficient review.
4. The decay time countdown begins when the reactor becomes subcritical - Mode 3.

5. Consider information from the February 2024 and March 2024 FHA analyses related pre-submittal meeting summaries (ML24057A379 and ML24082A253).

The NRC staff did not make any regulatory decisions or commitments at the meeting. There were no members of the public in attendance.

Please direct any inquiries to me at 301-415-1383 or by e-mail to [Perry.Buckberg@nrc.gov](mailto:Perry.Buckberg@nrc.gov).

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Perry H. Buckberg, Senior Project Manager  
Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-327 and 50-328

Enclosure:  
List of Attendees

cc: Listserv

LIST OF ATTENDEES

JULY 16, 2024, VIRTUAL PUBLIC MEETING

WITH TENNESSEE VALLEY AUTHORITY, ET AL.

SEQUOYAH NUCLEAR PLANT, UNITS 1 AND 2

PRE-APPLICATION MEETING REGARDING

TECHNICAL SPECIFICATION 3.3.6, 3.9.4, AND THE FUEL HANDLING ACCIDENT

ANALYSIS

**U.S. Nuclear Regulatory Commission**

Perry Buckberg -  
Elena Herrera Torres -  
Michael Mazaika, Anthony Torres -  
Hang Vu -  
David Rahn -  
John Parillo, Sean Meighan, Elijah Dickson -  
Hany Wagage, Justin Donohoe -  
Joseph Messina -  
Ravi Grover -

**Branch**

NRR<sup>1</sup>/DORL<sup>2</sup>/LPLII-2<sup>3</sup>  
NRR/DORL/LPL<sup>4</sup>  
NRR/DEX<sup>5</sup>/EXHB<sup>6</sup>  
NRR/DEX/EICB<sup>7</sup>  
NRR/DEX/ELTB<sup>8</sup>  
NRR/DRA<sup>9</sup>/ARCB<sup>10</sup>  
NRR/DSS<sup>11</sup>/SCPB<sup>12</sup>  
NRR/DSS/SFNB<sup>13</sup>  
NRR/DSS/STSB<sup>14</sup>

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**Tennessee Valley Authority**

Andrew Taylor  
Jesse Baron  
Chris Carey  
Paul Parashak  
Doug Pollock  
Andrew McNeil  
Mimi King-Patterson  
Russel Wells

**Constellation Nuclear**

Lisa Simpson

**Engineering Planning and Management, Inc.**

Vicken Khatchadourian

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<sup>1</sup> Office of Nuclear Reactor Regulation

<sup>2</sup> Division of Operating Reactor Licensing

<sup>3</sup> Plant Licensing Branch II-2

<sup>4</sup> Plant Licensing Branch I

<sup>5</sup> Division of Engineering

<sup>6</sup> External Hazards Branch

<sup>7</sup> Instrumentation & Controls Branch

<sup>8</sup> Long-Term Operations and Modernization Branch

<sup>9</sup> Division of Risk Assessment

<sup>10</sup> Radiation Protection and Consequence Branch

<sup>11</sup> Division of Safety Systems

<sup>12</sup> Containment and Plant Systems Branch

<sup>13</sup> Nuclear Methods and Fuel Analysis Branch

<sup>14</sup> Technical Specifications Branch

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**ADAMS Accession Nos.:**  
**ML24218A221 (Package)**  
**ML24218A218 (Summary)**  
**ML24178A311 (Meeting Notice)**  
**ML24191A064 (Meeting Slides)**

OFFICE	NRR/DORL/LPL2-2/PM	NRR/DORL/LPL2-2/LA	NRR/DRA/ARCB/BC	NRR/DEX/EXHB/BC
NAME	PBuckberg	ABaxter	KHsueh	BHayes (NTiruneh for)
DATE	08/05/2024	08/07/2024	08/14/2024	08/12/2024
OFFICE	NRR/DEX/EICB/BC	NRR/DSS/SFNB/BC	NRR/DSS/SCP/BC	NRR/DSS/STSB/BC
NAME	FSacko	SKrepel	MValentin	SMehta
DATE	08/14/2024	08/09/2024	08/09/2024	08/09/2024
OFFICE	NRR/DORL/LPL2-2/BC	NRR/DORL/LPL2-2/PM		
NAME	DWrona	PBuckberg		
DATE	08/14/2024	08/15/2024		

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