



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

August 17, 2023

MEMORANDUM TO: Michelle W. Hayes, Chief
Licensing and Regulatory Infrastructure Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

FROM: Jordan D. Glisan, Project Manager */RA/*
Licensing and Regulatory Infrastructure Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF U.S. NUCLEAR REGULATORY COMMISSION
AND TENNESSEE VALLEY AUTHORITY PUBLIC MEETING TO
DISCUSS PRE-APPLICATION CONFIRMATORY CORE
BORING LOCATIONS FOR THE CLINCH RIVER NUCLEAR
SITE

On May 2, 2023, an Observation Public Meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and Tennessee Valley Authority (TVA) concerning the potential confirmatory core boring locations to support a construction permit application. TVA submitted presentation slides for the open session (ML23118A003) which included the following topics:

- Structural and seismic analyses inputs;
- Regulatory Guide 1.132, Appendix D and LTR NEDO-33914 requirements;
- Background and overview of existing core boring investigations; and
- Overview of proposed confirmatory core boring locations.

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The NRC issued the public meeting notice (Agencywide Documents Access Management System (ADAMS) Accession No. ML23108A331) on April 18, 2023, and posted it on the NRC public website.

Enclosed are the meeting agenda (Enclosure 1), list of participants for the meeting (Enclosure 2), and a summary of the meeting (Enclosure 3).

Docket No. 99902056

Enclosures:

1. Meeting Agenda
2. List of Attendees
3. Meeting Summary

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 TENNESSEE VALLEY AUTHORITY PUBLIC MEETING TO DISCUSS PRE-
 APPLICATION CONFIRMATORY CORE BORING LOCATIONS FOR THE
 CLINCH RIVER NUCLEAR SITE
 DATED: AUGUST 17, 2023

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***via email**

NRR-106

OFFICE	NRR/DNRL/NLI B/PM	NRR/DNRL/NLI B/LA	NRR/DNRL/N LIB/PM	NRR/DNRL/NLI B/BC	NRR/DNRL/NL IB/PM
NAME	JGlisan*	SGreen*	AFetter*	MHayes	JGilsan
DATE	05/10/2023	06/07/23	05/18/2023	08/7/2023	08/17/2023

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U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF THE MAY 2, 2023,
OBSERVATION PUBLIC MEETING TO DISCUSS PRE-APPLICATION CONFIRMATORY
CORE BORING LOCATIONS FOR THE CLINCH RIVER NUCLEAR SITE

Meeting Agenda

Time	Topic	Speaker
10:00 am – 10:20 pm	Opening Remarks and TVA Presentation	NRC/TVA
10:20 am – 10:35 am	NRC-TVA Discussion	NRC/TVA
10:35 am – 10:45 am	Public Comments	
10:45 am	Closing Remarks	NRC

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List of Attendees

Name	Organization
Allen Fetter	NRC
Jordan Glisan	NRC
Barbara Hayes	NRC
Joe Giacinto	NRC
Zuhan Xi	NRC
Ray Schiele	TVA
Kelvin Montague	TVA
Kevin Casey	TVA
David Daigle	TVA
Philip John	TVA
Stephen Kimura	TVA
Dennis Petrarca	TVA
Owen Scott	TVA
Michele Moorrees	TVA
Tony Jackson	TVA
Adrienne Hudson	TVA
Walter Justice	TVA
Greg Boerschig	Public
Dakota Huddleston	Public
Cagri Cinkilic	Public
Doug Raszewski	Public
Rolando Benitez	Public
Wei Li	Public

**U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF THE MAY 2, 2023,
OBSERVATION PUBLIC MEETING TO DISCUSS PRE-APPLICATION CONFIRMATORY
CORE BORING LOCATIONS FOR THE CLINCH RIVER NUCLEAR SITE**

Meeting Summary

The meeting began at 10:00 a.m. with the U.S. Nuclear Regulatory Commission (NRC) staff opening remarks and introduction of attendees. Tennessee Valley Authority (TVA) gave a presentation (ML23118A003) regarding their strategy for performing structural and seismic analyses based on existing subsurface investigation, coincident with performing confirmatory subsurface investigations. The purpose of the meeting was to discuss this strategy to support their expected construction permit application. The presentation summarized the existing core bore data and identified the proposed locations of their confirmatory core bore data and locations. TVA noted that detailed discussion regarding the analyses was not included in the presentation.

In the presentation, TVA shared that Section 3.1.2 of ASCE/SEI 4-16 is being implemented for the design of the reactor building and that the core borings will meet Appendix D of Regulatory Guide (RG) 1.132, Geologic and Geotechnical Site Characterization Investigations for Nuclear Power Plants (ML21298A054) and licensing topical report NEDO-33914-A (ML22168A010), which is more restrictive than the RG. The presentation included an overview and elevation view of existing core bore locations and the site locations of the confirmatory core bore locations.

Following the technical presentation, TVA responded to NRC staff questions and clarifications. NRC staff asked TVA if fracture and bedding lines are being considered in the analysis models to which TVA responded with yes. TVA then acknowledged a comment from NRC staff that TVA will need a lot of data considering the 3D analysis versus a 1 or 2D model. There were no questions or comments from members of the public. The meeting adjourned at 10:50 am.