

## **U.S. Nuclear Regulatory Commission Public Meeting Summary**

**Title:** Notice of Forthcoming Meeting between the U.S. Nuclear Regulatory Commission (NRC) and Tennessee Valley Authority (TVA) to Discuss Clarification of Figures in Sections 2.5.2 and 2.5.3 in Part 2, Site Safety Analysis Report (SSAR) of TVA's Early Site Permit Application

**Meeting Identifier:** 20170185, Agencywide Document Access Management System (ADAMS) Accession No. ML17041A326

**Date of Meeting:** Monday, February 21, 2017

**Location:** Two White Flint North (TWFN) and via teleconference

**Type of Meeting:** Category 1

### **Purpose of the Meeting:**

To discuss clarification of figures with the following Sections in Part 2 Site Safety Analysis Report (SSAR) of Tennessee Valley Authority's (TVA) early site permit application for the Clinch River Nuclear Site: 2.5.1 and 2.5.3. The specific figure details were outlined in an attachment to the meeting notice under "Related Documents" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML17046A505) and were as follows:

1. Discussion of the location of Douglas Lake Reservoir sites from Vaughn et al 2010 and Hatcher et al 2010 with respect to the site vicinity (25 mi) maps, such as Figure 2.5.1-27.
2. Discussion of the numbers in parentheses (Figure 2.5.1-65, sheet 1 of 2. CNL-16-162).
3. Discussion of boreholes projected onto either cross section A or B (Figure 2.5.1-65, sheet 2 of 2. CNL-16-162).
4. Discussion to distinguish field reconnaissance stops versus sinkhole locations (Figure 2.5.3-19, CNL-16-162).

### **Summary of Meeting**

The meeting started with brief introductions and identification of the callers, and an NRC overview of the meeting purpose and how the meeting discussion would be documented.

For discussion topic 1, NRC staff stated that an expanded site vicinity map with a 25 mile radius boundary that also includes the Douglas Lake Reservoir sites and part of the East Tennessee Seismic Zone would aid the technical review by showing site vicinity with respect to these features. The NRC staff noted that if the northwest quadrant of Figure 2.5.2-26 in the SSAR could be cropped and then expanded to a full size figure with a 25 mile radius circle added.

For discussion topic 2, TVA stated that the numbers in parentheses in Figure 2.5.1-65, sheet 1 of 2. CNL-16-162 represent the thickness of the shear fracture zone in a given borehole. TVA also stated that the numbers are also shown in SSAR table (2.5.1-17)

For discussion topic 3, the NRC staff asked for clarification regarding the projection of boreholes onto cross sections A and B (in Figure 2.5.1-65, sheet 2 of 2. CNL-16-162). TVA stated that a subset selection of boreholes that encountered the shear zone was projected onto the cross sections.

For discussion topic 4, TVA stated that the circles in Figure 2.5.3-19, CNL-16-162 represent field reconnaissance stops, not sinkhole locations.

After these discussions, the public was given the opportunity comment and ask questions. No questions asked.

### **Action Items/Next Steps**

TVA stated that it plans to provide a new figure on the docket that includes a 25 mile site vicinity radius circle, the East Tennessee Seismic Zone and the Douglas Lake Reservoir.

Docket No.: 52-047

Enclosure:  
List of Participants

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in Part 2, Site Safety Analysis Report of Tennessee Valley Authority's  
Early Site Permit Application for the Clinch River Nuclear Site**

**List of Participants**

<b>Name</b>	<b>Affiliation</b>
Alice Stieve	NRC
Allen Fetter	NRC
David Heeszal	NRC
John Holcomb	TVA
Kelvin Montague	TVA
Wally Justice	TVA
Ray Schiele	TVA
Kevin Casey	TVA
Spencer Klein	TVA
Jeff Perry	TVA
John Thomas	TVA
Matt Huebner	Lettis (TVA contractor)
Kimberly Lamote	Bechtel (TVA contractor)
Rebecca Carr	Bechtel (TVA contractor)
Alice Carson	Bechtel (TVA contractor)
Tim Cahill	Bechtel (TVA contractor)
Basant Dilodare	Bechtel (TVA contractor)
Brian Paddock*	No affiliation provided
Sara Barczak*	Southern Alliance for Clean Energy
Sarah Fields*	Uranium Watch
Bill Galyean*	NUSCALE POWER

\*Public Participant(s)

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