

## ClinchRiverESPHFNPEm Resource

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**From:** Fetter, Allen  
**Sent:** Monday, March 06, 2017 2:14 PM  
**To:** Keith, Felicia  
**Subject:** Emailing: NRC-TVA Public Meeting\_20170221\_Summary\_665S.docx, NRC-TVA Public Meeting\_20170221\_Summary.docx  
**Attachments:** NRC-TVA Public Meeting\_20170221\_Summary\_665S.docx; NRC-TVA Public Meeting\_20170221\_Summary.docx

Good Afternoon Felicia,

Please add the attached public meeting summary into ADAMS.

Thanks,  
Allen

Your message is ready to be sent with the following file or link attachments:

NRC-TVA Public Meeting\_20170221\_Summary\_665S.docx  
NRC-TVA Public Meeting\_20170221\_Summary.docx

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

**Hearing Identifier:** ClinchRiver\_ESP\_HF\_NonPublic  
**Email Number:** 123

**Mail Envelope Properties** (Allen.Fetter@nrc.gov20170306141400)

**Subject:** Emailing: NRC-TVA Public Meeting\_20170221\_Summary\_665S.docx, NRC-TVA Public Meeting\_20170221\_Summary.docx  
**Sent Date:** 3/6/2017 2:14:09 PM  
**Received Date:** 3/6/2017 2:14:00 PM  
**From:** Fetter, Allen

**Created By:** Allen.Fetter@nrc.gov

**Recipients:**  
"Keith, Felicia" <Felicia.Keith@nrc.gov>  
Tracking Status: None

**Post Office:**

Files	Size	Date & Time
MESSAGE	496	3/6/2017 2:14:00 PM
NRC-TVA Public Meeting_20170221_Summary_665S.docx		24013
NRC-TVA Public Meeting_20170221_Summary.docx	30968	

**Options**  
**Priority:** Standard  
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<b>ADAMS DOCUMENT SUBMISSION</b>									
Originated By Allen Fetter	Telephone 301-415- 8556	Mail Stop T-6 D38	LAN ID AHF	Date 03/06/2017					
_____ <i>Document No.</i>									
Document Title or Accession No., Letter (Response) – NRC-TVA Public Meeting (20170221) Summary, Clinch River ESP application									
<div style="display: flex; justify-content: space-between;"> <div style="width: 5%;"> <input checked="" type="checkbox"/> </div> <div style="width: 95%; color: red;">             Is this a brief title that can be changed by DPC according to template instruction?           </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 5%;"> <input type="checkbox"/> </div> <div style="width: 95%; color: red;">             Is this an exact title formatted according to template instructions that should not be changed by DPC?           </div> </div>									
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Special Instructions: <span style="background-color: yellow;">Docket Number: 52-047</span>									
Submitted by:	Telephone	Mail Stop	LAN ID	Date Submitted to DPC					

TO: Joseph E. Donoghue, Chief  
Licensing Branch 3  
Division of New Reactor Licensing  
Office of New Reactors

FROM: Allen Fetter, Senior Project Manager  
Licensing Branch 3  
Division of New Reactor Licensing  
Office of New Reactors

SUBJECT: SUMMARY OF MEETING BETWEEN THE U.S. NUCLEAR REGULATORY  
COMMISSION AND TENNESSEE VALLEY AUTHORITY TO DISCUSS  
CLARIFICATION OF FIGURES IN SECTIONS 2.5.1 AND 2.5.3 IN PART 2, SITE  
SAFETY ANALYSIS REPORT OF TENNESSEE VALLEY AUTHORITY'S  
EARLY SITE PERMIT APPLICATION FOR THE CLINCH RIVER NUCLEAR  
SITE

**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), 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. ML17xxxxxx) 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.

CONTACT: Allen Fetter, NRC/NRO/DNRL  
301-415-8556

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. 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.

**Summary of Meeting between the U.S. Nuclear Regulatory Commission and  
Tennessee Valley Authority to Discuss Clarification of Figures in Sections 2.5.1 and 2.5.3  
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)

Enclosure

SUBJECT: SUMMARY OF MEETING BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND TENNESSEE VALLEY AUTHORITY TO DISCUSS CLARIFICATION OF FIGURES IN SECTIONS 2.5.1 AND 2.5.3 IN PART 2, SITE SAFETY ANALYSIS REPORT OF TENNESSEE VALLEY AUTHORITY'S EARLY SITE PERMIT APPLICATION FOR THE CLINCH RIVER NUCLEAR SITE

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<b>NAME</b>	AFetter	SGreen	AFetter
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