

## ClinchRiverESPHFNPEm Resource

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**From:** Edmondson, Carla <cedmondson@tva.gov>  
**Sent:** Wednesday, July 05, 2017 10:56 AM  
**To:** Ordaz, Vonna; Akstulewicz, Frank; Donoghue, Joseph; Vokoun, Patricia; Dozier, Tamsen; Mark.M.McIntosh@usace.army.mil  
**Subject:** [External\_Sender] TVA CRN Supplemental Information Regarding SSAR 2.5  
**Attachments:** L44 170703 001 CRN SMR SSAR Seismic Response Letter Only.pdf

Subject document has been transmitted to the NRC ML17186A113

TVA CRN Supplemental Information Regarding SSAR 2.5

If your preference is to receive a hard copy via UPS, please let me know, otherwise, I will submit via email.

Thanks

Carla Edmondson  
*Executive Management Assistant to Joe Shea*  
*Vice President of Nuclear Regulatory Affairs & Support Services*  
*Tennessee Valley Authority*  
*423-751-2638*

**Hearing Identifier:** ClinchRiver\_ESP\_HF\_NonPublic  
**Email Number:** 374

**Mail Envelope Properties** (7D5D7C9A93A2F1418E8AF559D2DAFAF099A9234B)

**Subject:** [External\_Sender] TVA CRN Supplemental Information Regarding SSAR 2.5  
**Sent Date:** 7/5/2017 10:56:29 AM  
**Received Date:** 7/5/2017 10:56:44 AM  
**From:** Edmondson, Carla

**Created By:** cedmondson@tva.gov

**Recipients:**

"Ordaz, Vonna" <Vonna.Ordaz@nrc.gov>  
Tracking Status: None  
"Akstulewicz, Frank" <Frank.Akstulewicz@nrc.gov>  
Tracking Status: None  
"Donoghue, Joseph" <Joseph.Donoghue@nrc.gov>  
Tracking Status: None  
"Vokoun, Patricia" <Patricia.Vokoun@nrc.gov>  
Tracking Status: None  
"Dozier, Tamsen" <Tamsen.Dozier@nrc.gov>  
Tracking Status: None  
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Tracking Status: None

**Post Office:** TVACHAXCH2.main.tva.gov

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MESSAGE	418	7/5/2017 10:56:44 AM	
L44 170703 001 CRN SMR SSAR Seismic Response Letter Only.pdf			207803

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Tennessee Valley Authority, 1101 Market Street, Chattanooga, TN 37402

CNL-17-082

July 3, 2017

10 CFR 52, Subpart A

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Clinch River Nuclear Site  
NRC Docket No. 52-047

Subject: Submittal of Supplemental Information Associated with Site Safety Analysis Report Section 2.5 in Support of the Clinch River Nuclear Site Early Site Permit Application

- References:
1. Letter from TVA to NRC, CNL-16-081, "Application for Early Site Permit for Clinch River Nuclear Site," dated May 12, 2016
  2. NRC Memorandum, "Audit Plan for Areas Covered in Section 2.5 of the Site Safety Analysis Report, Clinch River Nuclear Site Early Site Permit Application," issued April 19, 2017

By letter dated May 12, 2016 (Reference 1), Tennessee Valley Authority (TVA) submitted an application for an early site permit for the Clinch River Nuclear (CRN) Site in Oak Ridge, TN. Between May 8 and 9, 2017, the NRC conducted an audit of the geology, seismology, and geotechnical engineering information contained in the CRN Site Early Site Permit Application (ESPA) (Reference 2). During the face-to-face portion of the NRC audit held at the TVA offices in Knoxville, TN, and at the CRN Site, the NRC requested that TVA provide supplemental information associated with SSAR Section 2.5, "Geology, Seismology, and Geotechnical Engineering," to reflect the information that TVA provided during the NRC audit.

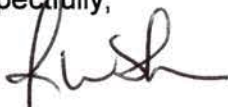
The enclosure to this letter provides supplemental information discussed during the NRC audit for geotechnical engineering (GE) information needs GE-01, GE-02, and GE-03. Attachments 1 and 2 of the enclosure provide copies of technical reports related to information needs GE-01 and GE-02. Attachment 3 of the enclosure provides SSAR markups for information needs GE-01, GE-02, and GE-03. The SSAR markups will be incorporated in a future revision of the early site permit application.

U.S. Nuclear Regulatory Commission  
CNL-17-082  
Page 2  
July 3, 2017

There are no new regulatory commitments associated with this submittal. If any additional information is needed, please contact Dan Stout at (423) 751-7642.

I declare under penalty of perjury that the foregoing is true and correct. Executed on this 3rd day of July 2017.

Respectfully,



J. W. Shea  
Vice President, Nuclear Regulatory Affairs & Support Services

Enclosure:

Supplemental Information Regarding Site Safety Analysis Report (SSAR) Section 2.5,  
"Geology, Seismology and Geotechnical Engineering"

cc (w/ Enclosure):

A. Fetter, Project Manager, Division of New Reactor Licensing, USNRC

cc (w/o Enclosure):

V. McCree, Executive Director of Operations, USNRC  
C. Haney, Regional Administrator, Region II, USNRC  
M. Johnson, Deputy Executive Director for Reactor and Preparedness Programs,  
USNRC  
V. Ordaz, Acting Director, Office of New Reactors, USNRC  
F. Akstulewicz, Director, Division of New Reactor Licensing, USNRC  
J. Donoghue, Acting Branch Chief, Division of New Reactor Licensing, USNRC  
M. Sutton, Project Manager, Division of New Reactor Licensing, USNRC  
P. Vokoun, Project Manager, Division of New Reactor Licensing, USNRC  
T. Dozier, Project Manager, Division of New Reactor Licensing, USNRC  
M. M. McIntosh, Regulatory Specialist, Eastern Regulatory Field Office,  
Nashville District, USACE