

October 27, 2016

Mr. Daniel Stout, Senior Manager
Small Modular Reactors
Tennessee Valley Authority
1101 Market Street
LP 1G-C
Chattanooga, TN 37402

SUBJECT: PLAN FOR DOCUMENT AUDIT OF TENNESSEE VALLEY AUTHORITY'S
SUPPLEMENTAL INFORMATION TO SUPPORT THE EARLY SITE PERMIT
ENVIRONMENTAL REPORT

Dear Mr. Stout:

On May 12, 2016, Tennessee Valley Authority (TVA) submitted to the U.S. Nuclear Regulatory Commission (NRC), an application for an Early Site Permit (ESP) for the Clinch River Nuclear (CRN) site in Oak Ridge, TN. Based on interactions with the NRC staff during the acceptance review, TVA determined to provide additional information to supplement its application. By letter dated August 11, 2016, TVA notified the NRC that it intended to provide supplemental information and provided a schedule for its proposed submittals. By letter dated August 19, 2016 (ADAMS Accession No. ML16225A667), the NRC acknowledged TVA's intention and determined that the NRC would complete its acceptance review of the ESP application after the aforementioned submittals had been made. As part of this process, the NRC will audit TVA's proposed updated siting study and engage with TVA concerning matters related to siting study revisions to measure progress toward quality and completeness. This audit will provide the staff with an understanding of TVA's updates and revisions and will inform the staff's preparations for the review once all the information has been submitted.

The enclosed plan provides information supporting the NRC staff's planned activities. Ms. Tamsen Dozier and Ms. Patricia Vokoun, Project Managers in the Office of New Reactors, Environmental Projects Branch, are the points of contact for issues associated with this document audit. Ms. Dozier may be reached at 301-415-2272, or tamsen.dozier@nrc.gov and Ms. Vokoun may be reached at 301-415-3740, or patricia.vokoun@nrc.gov.

Sincerely,

/RA/

Dr. Allen Fetter, Acting Branch Chief
Environmental Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Project No. 785

Enclosure: As stated

October 27, 2016

Mr. Daniel Stout, Senior Manager
Small Modular Reactors
Tennessee Valley Authority
1101 Market Street
LP 1G-C
Chattanooga, TN 37402

SUBJECT: PLAN FOR PRE-APPLICATION AUDIT TO ASSESS DEVELOPMENT OF
SUPPLEMENTAL INFORMATION RELATED TO TENNESSEE VALLEY
AUTHORITY'S CLINCH RIVER EARLY SITE PERMIT APPLICATION

Dear Mr. Stout:

On May 12, 2016, Tennessee Valley Authority (TVA) submitted to the U.S. Nuclear Regulatory Commission (NRC), an application for an Early Site Permit (ESP) for the Clinch River Nuclear (CRN) site in Oak Ridge, TN. Based on interactions with the NRC staff during the acceptance review, TVA determined to provide additional information to supplement its application. By letter dated August 11, 2016, TVA notified the NRC that it intended to provide supplemental information and provided a schedule for its proposed submittals. By letter dated August 19, 2016 (ADAMS Accession No. ML16225A667), the NRC acknowledged TVA's intention and determined that the NRC would complete its acceptance review of the ESP application after the aforementioned submittals had been made. As part of this process, the NRC will audit TVA's proposed updated siting study and engage with TVA concerning matters related to siting study revisions to measure progress toward quality and completeness. This audit will provide the staff with an understanding of TVA's updates and revisions and will inform the staff's preparations for the review once all the information has been submitted.

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ADAMS Accession No: ML16285A388

*via-e-mail

NRO-002

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Date	10/19/16	10/25/16	10/27/16	10/27/16

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PLAN FOR PRE-APPLICATION AUDIT TO ASSESS DEVELOPMENT OF SUPPLEMENTAL INFORMATION RELATED TO TENNESSEE VALLEY AUTHORITY'S CLINCH RIVER EARLY SITE PERMIT APPLICATION

Background

On May 12, 2016, Tennessee Valley Authority (TVA) submitted to the U.S. Nuclear Regulatory Commission (NRC), an application for an Early Site Permit (ESP) for the Clinch River Nuclear (CRN) site in Oak Ridge, TN. Based on interactions with the NRC staff during the acceptance review, TVA determined to provide additional information to supplement its application. By letter dated August 11, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16224B143), TVA notified the NRC that it intended to provide supplemental information and provided a schedule for its proposed submittals. By letter dated August 19, 2016 (ADAMS Accession No. ML16225A667), the NRC acknowledged TVA's intention and determined that the NRC would complete its acceptance review of the ESP application after the aforementioned submittals had been made. The submittals are anticipated no later than December 15, 2016. The ESP application remains tendered but not docketed and the NRC will complete its acceptance review of the application when the supplemental information is received.

Part of the information TVA intends to submit to support its ESP application, is a revised siting study that describes the process used to identify and evaluate potential alternative locations for the CRN ESP. The NRC staff and TVA have determined an audit is appropriate so that staff may measure TVA's progress in developing an updated siting study as outlined in TVA's August 11 letter. This audit will provide the NRC staff with an understanding of TVA's updates and revisions before planning and assigning resources to the acceptance review of the supplemental information, currently planned to begin in late December. Observations from the audit will be used by TVA to finalize the siting study, and any related supplemental information submittals, as well as assisting the NRC staff with its preparations for the review once all the information has been submitted. The observations from this audit do not predetermine whether the application will be docketed.

The NRC staff and TVA have agreed that the document audit will be conducted on two occasions. One meeting is planned during the week of November 1, 2016 and a potential second meeting is planned during the week of November 14, 2016.

Scope of Document Audit

This audit will focus on the NRC staff's reading of TVA's updated siting study and related information submittals that TVA is preparing according to issues outlined in their August 11 letter. The staff intends to identify any remaining information gaps or other concerns that could pose challenges during the staff's ESP review. The staff will examine the material keeping in mind the requirements set forth in NUREG-1555 "Standard Review Plans for Environmental Reviews for Nuclear Power Plants: Environmental Standard Review Plan" (ESRP) and in Interim Staff Guidance (ISG)-26, "Environmental Issues Associated with New Reactors" and ISG-27, "Specific Environmental Guidance for Light Water Small Modular Reactor Reviews." The staff will also draw from experiences gained in previous reviews.

Team Assignments

Potential participants and their related review areas are listed below.

Name	Area of Responsibility
Tamsen Dozier, NRC	Environmental Project Manager
Patricia Vokoun, NRC	Environmental Project Manager
Kimberly Leigh, PNNL (by phone)	Deputy Team Lead
Andrew Kugler, NRC	Alternative Sites Evaluation
Katherine Cort, PNNL (by phone)	Alternative Sites Evaluation
Daniel Mussatti	Socioeconomics, Environmental Justice
Peyton Doub	Terrestrial Ecology, Land Use

Schedule and Logistics

The audit will take place at Excel Services, 11921 Rockville Pike, Rockville, Maryland.

TVA contact: Peter Hastings, 704-918-1972 (pshastings@tva.gov)

NRC contacts: Tamsen Dozier, 301-415-2272 (tamsen.dozier@nrc.gov)
Patricia Vokoun, 301-415-3470 (patricia.vokoun@nrc.gov)

Due to the limited participants for this audit, the logistics will remain flexible to allow both TVA and the staff to adjust according to other activities and factors such as meetings on other proposed information submittals. Below is a tentative schedule.

Wednesday, November 2, 2016

9:00 a.m.	Introductions, discussion of objectives, distribution of materials
9:15 a.m.	Review and discussions of revised siting study
10:45 a.m.	Review and discussions of information related to the evaluations at selected alternative sites
12:00 noon	Plans for follow up meeting
12:30 p.m.	Close

Thursday, November 17, 2016 (Tentative date)

9:00 a.m.	Introductions, summary of discussion from Nov 2 meeting and objectives for Nov 17 meeting; distribution of materials
9:15 a.m.	Review and discussions of additional revisions to siting study or related proposed information submittals
11:00 noon	Wrap-Up Discussion
11:30 p.m.	Close

Observations from Document Audit

The NRC staff observations including any identified technical concerns or major information gaps will be provided to TVA in a publicly-available summary report. The NRC staff expects TVA will implement the staff's observations concerning remaining docketing issues while finalizing their proposed supplemental information submittals.