

May 5, 2015

MEMORANDUM FOR: Jennifer Dixon-Herrity, Chief
Environmental Projects Branch
Division of New Reactor Licensing
Office of New Reactors

FROM: Tamsen Dozier, Environmental Project Manager **/RA/**
Environmental Projects Branch
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SUMMARY OF FEBRUARY 24, 2015, PUBLIC MEETING TO
DISCUSS THE DESCRIPTION OF THE PURPOSE AND NEED FOR
THE CLINCH RIVER EARLY SITE PERMIT IN THE ANTICIPATED
APPLICATION

On February 24, 2015, representatives of the Tennessee Valley Authority (TVA) met in Rockville, MD with the Nuclear Regulatory Commission (NRC) staff (including their contract staff at Pacific Northwest National Laboratory) and with staff of the US Army Corps of Engineers (USACE). The purpose of the meeting was to discuss the description of the purpose and need for the Clinch River Early Site Permit (ESP) which will be included in their anticipated ESP application. Meeting attendees are listed in the enclosure. Presentation materials used by TVA can be found in the Agencywide Documents Access and Management System (ADAMS) under accession number ML15051A239.

TVA provided an overview of the objectives for the Clinch River Small Modular Reactor (SMR) project and the proposed action for the NRC. There was a brief review of guidance that is applicable to environmental reviews of SMRs. TVA presented their approach to those sections of the environmental report which include discussions that will be unique for SMRs and specifically related to the purpose and need of the project and/or the proposed action

TVA informed NRC that the ESP application would not include a need for power analysis, energy alternatives or SAMDAs, which are all optional at the ESP stage. TVA also presented an overview of their Chapter 9 alternatives discussions including the no-action alternative section and the section that addresses the selection of alternatives sites. They discussed the alternatives analysis that is required by the USACE, who will be cooperating with the NRC on the environmental impact statement (EIS).

After TV concluded their presentation, NRC staff posed several questions. Referencing slides 5 through 7, the staff stated that it is trying to envision what the completed purpose and need statement in Chapter 1 would look like. The staff inquired as to whether TVA had reviewed the published draft EIS that was issued last year for the PSEG site. The NRC staff will write the purpose and need for the NRC's action; but it will be informed by TVA's stated objectives for their project. The methodology used by TVA to select its proposed site should be based on the purpose and need, which will come from the project objectives.

TVA explained that the siting study will explain how the site selection process is linked to the purpose and need.

There was a discussion about the need to understand how the combined license (COL) will relate to the ESP. The ESP would not result in power production, but the COL would. Part of what the NRC staff reviews for the ESP is informed by TVA's plan for the COL application. TVA stated that they will look at whether there is a need to strengthen that discussion in the environmental report.

The role of the USACE in the review was briefly discussed. The USACE explained that they will need information regarding the potential footprint. They will also present the objectives for their own Federal action in the EIS.

The staff inquired as to the Melton Hill Dam bypass alternative. TVA explained how dam operations may require a bypass (for one of the potential designs) so that temperature limits in the river would be met. Such a pass prevents the creation of a stagnant pool when there is no flow through the dam.

The NRC staff expressed that an examination of the siting study would be helpful. Discussions will continue as to staff availability for the next readiness assessment visit.

Members of the public who monitored the meeting by telephone posed questions to the NRC staff. One member of the public asked whether the local citizens have been asked to provide information about the area to the NRC. The NRC staff explained that there is not yet an application in front of the agency. The current discussions are intended to provide the NRC staff with information needed for planning the review when the application is submitted.

Other public concerns were expressed about the need for planning to address the waste generated by the plant and the fact that SMRs have not yet been reviewed by the agency.

Members of the public asked to be put on the agency's mailing list to receive information concerning the preapplication activities and any future review should the application be submitted.

Project No.: PROJ0785

Enclosure:
As stated

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ADAMS ACCESSION No.: ML15119A325

OFFICE	PM: NRO/DNRL/EPB	LA: NRO/DNRL/EPB	BC: NRO/DNRL/EPB
NAME	TDozier	MBrown	JDixon-Herrity
DATE	5/04/2015	4/30/2015	5/5/2015

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List of Attendees
Clinch River – Purpose and Need Description for Environmental Review
February 24, 2015

<u>Name</u>	<u>Affiliation</u>
Jack Cushing	NRC
Jennifer Dixon-Herrity	NRC
Tamsen Dozier	NRC
Mark Notich	NRC
Andy Kugler	NRC
Joe Williams	NRC
Omid Tabatabai	NRC (via phone)
Bruce McDowell	Pacific Northwest National Laboratory (via phone)
Kimberly Leigh	Pacific Northwest National Laboratory (via phone)
Tom Anderson	Pacific Northwest National Laboratory (via phone)
Mark McIntosh	USACE (via phone)
Jeff Perry	TVA
Peter Hastings	TVA
Eugene Cobey	TVA
Steve Pope	Nuscale Power
Lisa Matis	Tetrattech (phone)
Evelyn Rogers	AE Com (phone)
Bobbie Hurley	AE Com (phone)
Marvin Lewis	Public (phone)
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Enclosure

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(Revised 04/29/2015)

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(Revised 04/29/2015)

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