

ClinchRiverESPHFNPEm Resource

From: Fetter, Allen
Sent: Friday, February 17, 2017 2:36 PM
To: Schiele, Raymond Joseph; pshastings (pshastings@tva.gov)
Cc: Stout, Daniel Paul; Sutton, Mallecia
Subject: Draft NRC-TVA Public Meeting_20170213_Summary.docx
Attachments: NRC-TVA Public Meeting_20170213_Summary.docx

Attached is the draft meeting summary of the 2/13/17 public meeting. Please take a look to ensure that we have a common understanding/agreement regarding the interaction and next steps before it gets memorialized in ADAMS. Track-changes are fine. We can also discuss during our status call on Tuesday afternoon.

Hearing Identifier: ClinchRiver_ESP_HF_NonPublic
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U.S. Nuclear Regulatory Commission Public Meeting Summary

Title: Notice of Forthcoming Meeting between the U.S. NRC and Tennessee Valley Authority to Discuss Topics Associated With Sections 2.1, 2.2, and 2.3 in Part 2, Site Safety Analysis Report (SSAR) of TVA's Early Site Permit Application

Meeting Identifier: 20170123, ADAMS accession number: ML17031A338

Date of Meeting: Monday, February 13, 2017

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

Type of Meeting: Category 1

Purpose of the Meeting:

To discuss topics associated with the following sections in Part 2 (SSAR) of TVA's early site permit application for the Clinch River Nuclear Site: 2.1 - Geography and Demography, 2.2 - Nearby Industrial, Transportation and Military Facilities, and 2.3 - Meteorology. The specific discussion topics were outlined in an attachment to the meeting notice under "Related Documents" (ADAMS accession number ML17040A271) and were as follows:

1. Discussion of, and approach to reconciling, the inconsistencies between the respective descriptions and depictions of the Exclusion Area Boundary (EAB) in the SSAR; Chapter 2 Subsection 2.1.1.2 and Figure 2.1-5 verses Subsection 2.3.4 and Figure 2.3.4-1.
2. Discussion of approach and rationale described in the SSAR, Chapter 2, Subsection 2.2.3.1.3.2 for screening out potential overexposures (at the CRN power block) to the hazardous chemicals anhydrous ammonia and chlorine during their road transport for control room habitability. A technical and historical perspective on getting finality on control room habitability at the at the ESP stage verses the COL stage will be clarified.

Another topic related to the application review was identified for discussion (ADAMS accession number ML17041A344). An NRC technical reviewer was to give accurate feedback to TVA on which native files to submit to the docket based on the MACCS I/O files in the electronic reading room.

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.

On discussion topic 1, TVA noted that the property boundary EAB in Figure 2.1-5 is the actual EAB, whereas the ellipsoid EAB depicted in Figure 2.3.4-1 represents an analytical boundary. TVA plans to review the text and figures and provide markups of the text that make the distinctions clearer. NRC brought up another potential inconsistency regarding population distributions identified in Section 2.5 in the Environmental Report (Part 3 of the application) and

sectors defined in the SSAR (NE direction, outside EAB, but within sector), in ER Sections 2.5.1.1 (Table 2.5.1-2), and SSAR Section 2.1.2.2 (Table 2.1-2).

For discussion topic 2, NRC stated that it was not possible to get finality at the ESP stage on control room habitability based on the probability calculations used to screen out overexposures to chlorine and anhydrous ammonia at the proposed power block location. NRC noted that this type of issue has been resolved historically (e.g., PSEG ESP) by writing up a permit condition for the COL stage. TVA agreed that it would follow a similar path to that taken by PSEG for its ESP.

NRC also gave specific feedback to TVA on which native files MACCS I/O to submit to the docket that are currently in the electronic reading room. The staff did not need TVA to send data library or other files which are part of the MACCS code transmittal package, the staff already possess these files. The specific files the staff needs are those necessary to run the code in the same manner as did TVA. Namely, TVA to provide in native format the source term and plume segment files, the site and meteorology files, each MACCS module file used with the respective source term files, and the associated output files for run verification by the staff.

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 supplemental information to clarify sections in the application related to the EAB, population sectors and proposed permit conditions, and will submit the MACCS I/O files discussed on the docket.

NRC participants: Seshagari (Rao) Tammara, Allen Fetter, Mallecia Sutton, Joe Donoghue, Patricia Vokoun, Donald Palmrose

TVA attendees: Alex Young, Dan Stout, John Holcomb, Kelvin Mantague, Stuart Doss, Ray Schiele, Kevin Casey, Roger Scott, Jeff Perry, John Thomas

Public participant: Ralph Hutchison (Oak Ridge Environmental Peace Alliance)