



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

July 25, 2025

Scott Hunnewell
Vice President, New Nuclear Program
Tennessee Valley Authority
1101 Market Street
Chattanooga, TN 37402

SUBJECT: CLINCH RIVER NUCLEAR SITE, UNIT 1, CONSTRUCTION PERMIT
APPLICATION REVIEW SCHEDULE AND RESOURCE ESTIMATE
(CAC/DOCKET/EPID(S): 001912/050-000615/L-2025-CPS-0001 [through 0017];
L-2025-PMP-0006; & L-2025-LNE-0000)

Dear Mr. Hunnewell:

This letter provides a summary of the review schedule and resource estimate for the detailed review of the Clinch River Nuclear Site (CRNS), Unit 1, construction permit (CP) application (Agencywide Documents Access and Management System (ADAMS) Accession Nos. ML25118A209 and ML25140A062). By letter dated July 9, 2025, the U.S. Nuclear Regulatory Commission (NRC) staff sent Tennessee Valley Authority (TVA) a letter accepting the CRNS CP application for detailed review (ML25182A151). A notice of the acceptance for docketing was published in the Federal Register on July 15, 2025 (90 FR 31709). The tables below provide key milestones for both the safety review and the environmental review.

Safety Review Milestones	Estimated Completion Dates
Draft Safety Evaluation ¹	February 2026
Advance Safety Evaluation Report ²	October 2026
Final Safety Evaluation Report	November 2026

Notes:

1. Safety Evaluation sections drafted and information gaps identified.
2. Advanced Safety Evaluation Report without open items.

Environmental Review Milestones	Estimated Completion Dates
Draft Supplemental Environmental Impact Statement	December 2025
Final Supplemental Environmental Impact Statement	April 2026

The schedule reflects the NRC staff's best estimate of the level of effort needed for its review and the NRC staff's understanding of TVA's deployment timeline for CRNS Unit 1. The schedule was developed, in part, considering: (1) the complexity of the technical and regulatory issues associated with the design; (2) the completeness and quality of the application; (3) the effectiveness of pre-application, readiness review, and acceptance review engagements; and (4) the availability of the NRC staff's resources and prioritization with concurrent workload. This

schedule does not include the hearing process, which follows the completion of the safety evaluation and environmental review.

The schedule is also based, in part, on TVA's commitment to provide timely responses to requests for additional information. The applicant is also expected to provide support determined necessary by the NRC staff in a timely and organized manner during technical audits. To achieve this schedule, the NRC staff intends to engage TVA frequently during the application review to assess progress and address emerging technical issues. Delays in the NRC staff's receipt of necessary information could result in changes to the review schedule. In the event that potential delays arise in its support of the schedule, the NRC requests that TVA inform the NRC staff in writing, as early as possible.

Based on pre-application activities and the information provided in TVA's CNRS, Unit 1 CP application submittal, the NRC staff estimates that it will need approximately 25,000 staff hours and \$1.4 million in contractor support to complete the safety and environmental reviews of the application. Hearing activities are not included in this resource estimate.

If you have any questions, please contact Allen Fetter at 301-415-8556 or via email at allen.fetter@nrc.gov; and Stacy Joseph at 301-415-3256 or via email at stacy.joseph@nrc.gov.

Sincerely,

/RA/

Allen Fetter, Senior Project Manager
New Reactor Licensing and Infrastructure Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

Project No./Docket No.: 99902056/05000615

cc: GovDelivery

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