



NUCLEAR REGULATORY COMMISSION

[Docket No. 50-615; NRC-2024-0146]

Tennessee Valley Authority; Clinch River Nuclear Unit 1; Construction Permit and Record of Decision

AGENCY: Nuclear Regulatory Commission.

ACTION: Notice; issuance.

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC or the Commission) is providing notice of the issuance of Construction Permit (CP) No. CPAR-2 to Tennessee Valley Authority (TVA) for the Clinch River Nuclear Unit 1 reactor facility and the associated record of decision (ROD).

DATES: The Construction Permit No. CPAR-2 was issued on September 28, 2026.

ADDRESSES: Please refer to Docket ID NRC-2024-0146 when contacting the NRC about the availability of information for this action. You may obtain publicly available information related to this action by any of the following methods:

- **Federal Rulemaking Website:** Go to <https://www.regulations.gov> and search for Docket ID NRC-2024-0146. Address questions about Docket IDs in Regulations.gov to Bridget Curran; telephone: 301-415-1003; email: Bridget.Curran@nrc.gov. For technical questions, contact the individual(s) listed in the “For Further Information Contact” section of this document.

- **NRC’s Agencywide Documents Access and Management System**

(ADAMS): You may obtain publicly available documents online in the ADAMS Public Documents collection at <https://www.nrc.gov/reading-rm/adams.html>. To begin the search, select “Begin ADAMS Public Search.” For problems with ADAMS, please contact the NRC’s Public Document Room (PDR) reference staff at 1-800-397-4209, at 301-415-4737, or by email to PDR.Resource@nrc.gov. For the convenience of the

reader, instructions about obtaining materials referenced in this document are provided in the “Availability of Documents” section.

- **NRC’s PDR:** The PDR, where you may examine and order copies of publicly available documents, is open by appointment. To make an appointment to visit the PDR, please send an email to PDR.Resource@nrc.gov or call 1-800-397-4209 or 301-415-4737, between 8 a.m. and 4 p.m. eastern time (ET), Monday through Friday, except Federal holidays.

FOR FURTHER INFORMATION CONTACT: Ricky Vivanco, Office of Advanced Reactors, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001; telephone: 301-415-0021; email: Ricky.Vivanco@nrc.gov.

SUPPLEMENTARY INFORMATION:

I. Introduction

Under section 2.106 of title 10 of the *Code of Federal Regulations* (10 CFR), “Notice of issuance,” the NRC is providing notice of the issuance of CP No. CPAR-2 to TVA and issuance of the ROD under 10 CFR 51.102, “Requirement to provide a record of decision; preparation.” The CP, which is immediately effective, authorizes TVA to construct a power reactor facility in Roane County, Tennessee, as described in the CP application. With respect to the CP application filed by TVA, the NRC found that the applicable standards and requirements of the Atomic Energy Act of 1954, as amended, and the Commission’s regulations have been met. The NRC found that any required notifications to other agencies or bodies have been duly made and that, among other things, there is reasonable assurance that the activities authorized by the permit will be conducted in compliance with the rules and regulations of the Commission, that safety questions will be satisfactorily resolved by the completion of construction, and that, taking into consideration siting criteria, the proposed facility can be constructed and operated at the proposed location without undue risk to public health and safety, subject to the conditions listed in the CP. Furthermore, the NRC found that the licensee, TVA, is technically and financially qualified to construct the facility, and that issuance of the CP

will not be inimical to the common defense and security or to the health and safety of the public. The NRC further found that the conditions in the early site permit (ESP-006), with the exception of those listed in the CP, had been met. Finally, the NRC found that issuance of the CP was in accordance with subpart A, “National Environmental Policy Act – Regulations Implementing Section 102(2),” of 10 CFR part 51, “Environmental Protection Regulations for Domestic Licensing and Related Regulatory Functions,” and that all applicable requirements had been satisfied.

Accordingly, the immediately effective CP was issued on September 28, 2026.

II. Further Information

The NRC staff prepared a Safety Evaluation (SE) and Supplemental Environmental Impact Statement (SEIS) which document the staff’s evaluation of the CP application and its findings. The NRC staff also prepared the ROD that incorporates by reference the materials contained in the SEIS. In accordance with 10 CFR 2.390, “Public inspections, exemptions, requests for withholding,” of the NRC’s “Agency Rules of Practice and Procedure,” details with respect to this action, including the SE, SEIS, the ROD, and accompanying documentation included in the CP package, are available online in the ADAMS Public Documents collection at <https://www.nrc.gov/reading-rm/adams.html>. From this site, persons can access the NRC’s ADAMS, which provides text and image files of NRC’s public documents.

III. Availability of Documents

The documents identified in the following table are available to interested persons through ADAMS.

Document Description	ADAMS Accession No.
Construction Permit No. CPAR-2, dated September 28, 2026	ML26243A056
Record of Decision, dated September 28, 2026	ML26245A346
Safety Evaluation Related to the Tennessee Valley Authority Construction Permit Application for Clinch River Nuclear Unit 1, dated June 24, 2026	ML26168A505
Supplement to NUREG-2226, “Supplemental Environmental Impact Statement for a Construction Permit at the Clinch River Nuclear Site,” dated April 1, 2026	ML26035A285

TVA Construction Permit Application Documentation, dated April 2026	ML26119A628 (Package)
Tennessee Valley Authority, Clinch River Nuclear Site, Early Site Permit No. ESP-006, dated December 19, 2019	ML19352D868

Authority: 42 U.S.C. 2011 *et seq.*

Dated: October 1, 2026.

For the Nuclear Regulatory Commission.

Jeremy Bowen,
Director,
Office of Advanced Reactors.

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