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

December 19, 2025

Mr. Anthony Schoedel, Director
eVinci™ Licensing & Regulatory Affairs
Westinghouse Electric Company, LLC.
51 Bridge Street
Pittsburgh, PA 15223

SUBJECT: WESTINGHOUSE ELECTRIC COMPANY, LLC. – FINAL SAFETY EVALUATION FOR REVISION 0 OF THE EVR-LIC-RL-003-P/NP, "TRISO FUEL DESIGN METHODOLOGY TOPICAL REPORT" (EPID: L-2024-TOP-0028)

Dear Mr. Schoedel:

By letter dated July 31, 2024 (Agencywide Documents Access and Management System, Accession Number, ML24214A277), Westinghouse Electric Company, LLC. (Westinghouse) submitted for the U.S. Nuclear Regulatory Commission (NRC) staff's review, Revision 0 of the EVR-LIC-RL-003-P/NP, "TRISO Fuel Design Methodology Topical Report."

The NRC staff's final safety evaluation (SE) for the topical report (TR) is enclosed. Enclosure 1 is the redacted version of the SE and will be made publicly available. Enclosure 2 contains proprietary information and access to this document will be controlled, consistent with the regulations in Title 10 of the *Code of Federal Regulations*, Section 2.390, "Public inspections, exemptions, requests for withholding."

The NRC staff has determined that Westinghouse provides an acceptable approach for TRISO fuel qualification, subject to the limitations and conditions discussed in the SE, by outlining a methodology that follows NUREG-2246, "Fuel Qualification for Advanced Reactors," and Regulatory Guide 1.203, "Transient and Accident Analysis Methods." Successful implementation of this methodology will rely on benchmarking and data validation; the completion of both are conditions that must be met for the TR to be referenced in future submittals. Accordingly, the NRC staff concludes that Westinghouse's TR can be used to support reactor licensing applications for permits, licenses, certifications, or approvals under 10 CFR Part 50, "Domestic Licensing of Production and Utilization Facilities," or 10 CFR Part 52, "Licenses, Certifications, and Approvals for Nuclear Power Plants."

Enclosure 2 to this letter contains proprietary information. When separated from the Enclosure 2, this letter is DECONTROLLED.

The NRC staff requests that Westinghouse submit an accepted proprietary and non-proprietary version of the TR within three months of receipt of this letter. The accepted version shall incorporate any revisions to the TR that resulted from the NRC staff's audit (ML25190A670) conducted as part of the TR review. It should also include this letter and the enclosed SE.

If you have any questions regarding this matter, please contact Lucieann Vechioli Feliciano at (301) 415-6035 or via email at Lucieann.VechioliFeliciano@nrc.gov.

Sincerely,

Signed by Neuhausen, Alissa
on 12/19/25

Alissa Neuhausen, Chief
Advanced Reactor Licensing Branch 2
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

Project No.: 99902079

Enclosures:
As stated

cc: Westinghouse eVinci GovDelivery
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SUBJECT: WESTINGHOUSE ELECTRIC COMPANY, LLC. – FINAL SAFETY EVALUATION FOR REVISION 0 OF THE TOPICAL REPORT EVR-LIC-RL-003-P/NP, TRISO FUEL DESIGN METHODOLOGY TOPICAL REPORT (EPID: L-2024-TOP-0028) DATED: DECEMBER 19, 2025

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