



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

January 24, 2023

Mr. Anthony J. Schoedel, Manager  
Advanced Reactors Licensing Engineering  
Westinghouse Electric Company  
1000 Westinghouse Drive  
Cranberry Township, PA 16066

**SUBJECT: WESTINGHOUSE ELECTRIC COMPANY - U.S. NUCLEAR REGULATORY  
COMMISSION FEEDBACK REGARDING EVINCI™ WHITE PAPERS WAVE 4**

Dear Mr. Schoedel:

By letter dated September 28, 2022 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML22271A613), Westinghouse Electric Company (Westinghouse), submitted for the U.S. Nuclear Regulatory Commission (NRC) staff's review, four white papers:

- EVR-PGD-GL-002, "Phenomena Identification and Ranking Table Development Process"
- EVR-RXS-TL-001, "Integral Effects and Transient Testing"
- EVR-PGD-GL-004, "Refueling and Decommissioning"
- EVR-PLD-GL-002, "Seismic Methodology"

These white papers describe proposed aspects of the eVinci micro-reactor for which Westinghouse desires to have pre-application interactions. The NRC staff was asked to perform a review of these papers and provide written feedback on each paper. The NRC staff completed its review of the white papers and has found no major deficiencies for this stage of the pre-application process. The enclosures to this letter provide the NRC staff's detailed feedback and observations for Westinghouse to consider.

Enclosures 1, 2, 3, and 4 to this letter contain proprietary information. When separated from the enclosures this document is DECONTROLLED.

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A. Schoedel

- 2 -

If you have questions regarding this matter, please contact Donna Williams at (301) 415-1322 or via email at [Donna.Williams@nrc.gov](mailto:Donna.Williams@nrc.gov).

Sincerely,



Signed by Jessup, William  
on 01/24/23

William Jessup, Chief  
Advanced Reactor Licensing Branch 1  
Division of Advanced Reactors and Non-Power  
Production and Utilization Facilities  
Office of Nuclear Reactor Regulation

Project No.: 999902079

Enclosures:

1. NRC Feedback Regarding EVR-PGD-GL-002, "Phenomena Identification and Ranking Table Development Process"
2. NRC Feedback Regarding. EVR-RXS-TL-001, "Integral Effects and Transient Testing"
3. NRC Feedback Regarding EVR-PGD-GL-004, "Refueling and Decommissioning"
4. NRC Feedback Regarding EVR-PLD-GL-002, "Seismic Methodology"

Cc: schoedaj@westinghouse.com

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- 3 -

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COMMISSION FEEDBACK REGARDING EVINCI WHITE PAPERS WAVE 4  
DATED: JANUARY 24, 2023

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**ADAMS Accession Nos.:**

**Pkg: ML23006A261**

**Letter: ML23006A260**

**Enclosure 1: ML23006A275**

**Enclosure 2: ML23006A276**

**Enclosure 3: ML23006A278**

**Enclosure 4: ML23006A279**

**NRR-106**

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