



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

July 8, 2022

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 (EPID NOS.: L-2022-LRO-0018, L-2022-LRO-0020, L-2022-
LRO-0023, L-2022-LRO-0021, L-2022-LRO-0019, AND L-2022-LRO-
0024)

Dear Mr. Schoedel:

By letter dated March 31, 2022 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML22090A127), Westinghouse Electric Company (Westinghouse), submitted for the U.S. Nuclear Regulatory Commission (NRC) staff's review, six white papers: EVR-LIC-G0-002, "Regulatory Analysis"; EVR-LIC-G0-003, "Deployment Model"; EVR-SEC-G0-001, "Safeguards Information Program Strategy"; EVR-PGD-GL-001, "Test and Analysis Process for Design and Development"; EVR-SAR-GL-003, "Functional Containment and Mechanistic Source Term"; and EVR-PLD-GL-001, "Composite Material Qualification and Testing." These six 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. The NRC staff completed its review of the six white papers and has found no major deficiencies for this stage of the pre-application process. The enclosures of this letter provide the NRC staff's detailed observations for Westinghouse to consider.

The Enclosures 1, 2, 3, 4, 5 and 6 to this letter contain proprietary information. When separated from Enclosures 1, 2, 3, 4, 5 and 6, this document is DECONTROLLED.

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

Sincerely,



Signed by Kennedy, William
on 07/08/22

William B. Kennedy, Acting Chief
Advanced Reactor Licensing Branch
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-LIC-G0-002, "Regulatory Analysis"
2. NRC Feedback Regarding EVR-LIC-G0-003, "Deployment Model"
3. NRC Feedback Regarding EVR-SEC-G0-001, "Safeguards Information Program Strategy"
4. NRC Feedback Regarding EVR-PGD-GL-001, "Test and Analysis Process for Design and Development"
5. NRC Feedback Regarding EVR-SAR-GL-003, "Functional Containment and Mechanistic Source Term"
6. NRC Feedback Regarding EVR-PLD-GL-001, "Composite Material Qualification and Testing"

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ADAMS Accession Nos.:

Pkg: ML22165A117

Letter: ML22165A116

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Enclosure 2: ML22165A170 (Proprietary)

Enclosure 3: ML22165A171 (Proprietary)

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