



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

September 19, 2024

MEMORANDUM TO: Stephen Philpott, Acting Chief  
Advanced Reactor Licensing Branch 2  
Division of Advanced Reactors and Non-Power  
Production and Utilization Facilities  
Office of Nuclear Reactor Regulation

FROM: Patrick Boyle, Project Manager *Patrick L Boyle* Signed by Boyle, Patrick  
Advanced Reactor Licensing Branch 2 on 09/19/24  
Division of Advanced Reactors and Non-Power  
Production and Utilization Facilities  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE JULY 15, 2024, PARTIALLY CLOSED PRE-SUBMITTAL MEETING WITH WESTINGHOUSE ELECTRIC CO., REGARDING THE "WESTINGHOUSE'S EVINCI FUEL DESIGN METHODOLOGY TOPICAL REPORT" (EPID NO.: L-2021-LRM-0076)

**Meeting Information:**

Applicant: Westinghouse Electric Co. (WEC)  
Docket/Project No.(s): 99902079

Public Meeting Notice Agencywide Documents Access and Management System (ADAMS)  
Accession No.: [ML24179A306](#)

Applicant Presentation Slides ADAMS Accession No.: [ML24194A025](#).

Meeting Attendees:

Enclosure 1: public portion list of meeting attendees  
Enclosure 2: closed portion list of meeting attendees.

CONTACT: Michelle Vega Rodriguez,  
NRR/DANU/UAL2  
(301) 415-1170

Enclosure 3 to this memorandum contains proprietary information. When separated from the Enclosure(s), this memo is DECONTROLLED.

**Meeting Summary:**

The U.S. Nuclear Regulatory Commission (NRC) staff conducted the meeting in accordance with NRC Management Directive 3.5, "Attendance at NRC Staff-Sponsored Meetings" (ADAMS Accession No. [ML21180A271](#)). The main points of discussion during the meeting included:

- Purpose and Review Request
  - WEC provided the NRC staff an overview of their planned eVinci Tristructural Isotropic (TRISO) Fuel Design Methodology topical report (TR).
  - This TR will request NRC review and approval for WEC's TRISO fuel design methodology for the eVinci™ microreactor core under normal operation, anticipated operational occurrences (AOOs), and design basis accidents (DBAs).
- eVinci™ Microreactor Design Overview
  - A list of high-level design specifications was displayed.
- eVinci™ Microreactor Deployment Model Overview
  - A high-level diagram of the holistic process that WEC is contemplating.
- eVinci™ Microreactor NRC Pre-Application Engagement to Date
  - WEC has submitted 31 white papers and 5 TRs to date.
- Overview of the Westinghouse TRISO Fuel Design Methodology TR
  - Westinghouse provided a high-level description of all the sections of the topical report which included regulations, guidance, fuel design, analysis tools, technical specifications framework, and conclusions. The TR will be submitted in July 2024.
- Discussion of the topical report (EVR-LIC-RL-003-P/NP, Revision 0, "Westinghouse TRISO Fuel Design Methodology Topical Report") submittal schedule requested NRC review timeline, and TR review process Best Practices.

At the conclusion of the open portion of the meeting, the public was invited to make comments or ask questions of the NRC staff. No comments or questions from members of the public were received.

No regulatory decisions were made as a result of this meeting.

During the closed portion of the meeting, WEC and the NRC staff continued discussions regarding proprietary aspects of the proposed TR.

Project No. 99902079

Enclosure: As stated

cc: Westinghouse eVinci via GovDelivery  
[schoedaj@westinghouse.com](mailto:schoedaj@westinghouse.com)

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**ADAMS Accession No.: ML24240A044**

**NRR-106**

OFFICE	NRR/DANU/UAL2/PM	NRR/DANU/UAL2/BC	NRR/DANU/UAL2/PM
NAME	MVegaRodriguez	SPhilpott	PBoyle
DATE	08/27/2024	09/18/2024	09/19/2024

**OFFICIAL RECORD COPY**



**LIST OF MEETING ATTENDEES  
FOR THE JULY 15, 2024, PARTIALLY CLOSED MEETING WITH WESTINGHOUSE  
ELECTRIC CO., "WESTINGHOUSE'S EVINCI FUEL DESIGN METHODOLOGY TOPICAL  
REPORT" PRE-SUBMITTAL**

**JULY 15, 2024**

<b>Name</b>	<b>Organization</b>
Andrew Barto	U.S. Nuclear Regulatory Commission (NRC)
Ayesha Athar	NRC
Benjamin Parks	NRC
Billy Gleaves	NRC
Dan Beacon	NRC
Daniel Forsyth	NRC
Darrell Dunn	NRC
James Downs	NRC
Juan Lopez	NRC
Michelle Vega Rodriguez	NRC
Neil Sheehan	NRC
Patrick Boyle	NRC
Robert Mikouchi-Lopez	NRC
Sam Bina	NRC
Vince Voltaggio	NRC
Amanda Spalding	Westinghouse Electric Co. (WEC)
Andrea Sterdis	WEC
Anthony Schoedel	WEC
Aysenur Toptan	WEC
Darren Skitt	WEC
Eric Oesterle	WEC
Liping Cao	WEC
Parvez Khambatta	WEC
Patrick Kopfle	WEC
Sara Norton	WEC
Vefa Kucukboyaci	WEC
Yun Long	WEC
Leigh Lloveras	The Breakthrough Institute
Spencer Toohill	The Breakthrough Institute
Dominik Muszynski	Unknown



**LIST OF MEETING ATTENDEES  
FOR THE JULY 15, 2024, CLOSED PORTION MEETING WITH WESTINGHOUSE ELECTRIC  
CO., "WESTINGHOUSE'S EVINCI FUEL DESIGN METHODOLOGY TOPICAL REPORT"  
PRE-SUBMITTAL**

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