

April 14, 2025

Title: Public Meeting on Guidance Development for Accelerated Material Qualification

Date(s) and Time(s): May 06, 2025, 01:00 PM to 05:00 PM ET

Location: Hybrid, One White Flint North, 01F23
11555 Rockville Pike
Rockville, MD

Category: This is an Information Meeting with a Question and Answer Session. The purpose of this meeting is for the NRC staff to meet directly with individuals to discuss regulatory and technical issues. Attendees will have an opportunity to ask questions of the NRC staff or make comments about the issues discussed throughout the meeting; however, the NRC is not actively soliciting comments towards regulatory decisions at this meeting.

Purpose: In response to the ADVANCE Act and as described in Table 3 of the report "Advanced Methods of Manufacturing and Construction for Nuclear Energy Projects" (ML24292A171), NRC staff are acting to potentially develop guidance on accelerated material qualification. NRC staff are holding a public meeting from 1 PM – 5PM on May 6, 2025, with advanced reactor vendors and other stakeholders. The meeting's focus will be to hear from vendors on their activities related to accelerated qualification of materials via advanced manufacturing and traditional manufacturing for use in near-term and mid-term advanced reactors designs.
This is part of the agency's efforts to enable efficient safety and licensing reviews.
#ADVANCENRC

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Participants:	<u>NRC</u>	<u>External</u>
	Office of Nuclear Regulatory Research	Department of Energy
	Office of Nuclear Reactor Regulation	Industry Representatives

Teleconference:	<u>Bridge Number</u>	<u>Conference ID</u>	<u>Pass Code</u>
	(301) 576-2978	9409839#	

Webinar:	<u>URL</u>	<u>Meeting Number</u>	<u>Password</u>
	https://teams.microsoft.com/l/meetup-join/19%3ameeting_YTY1NzM3MjYtMjBiOC00MjM0LTg3ZjQtNjZmODAxODIiYmI5%40thread.v2/0?context=%7b%22Tid%22%3a%22e8d01475-c3b5-436a-a065-5def4c64f52e%22%2c%22Oid%22%3a%22e83ac476-9aaa-4ced-9676-4e90d6704713%22%7d	93 489 045 276	bc2EL6YB

Comments: The NRC's Policy Statement, "Enhancing Public Participation in NRC Meetings," effective March 19, 2021, applies to this meeting. The policy statement may be found on the NRC Web site, www.nrc.gov, and contains information regarding visitors and security.

In person seating may be limited and will be available on a first-come basis. Inform the NRC's meeting contact of your intention to attend by May 30th, 2025.

If you need a reasonable accommodation due to a disability to participate in this meeting or need meeting materials in another format (e.g. braille, large print), please email Reasonable_Accommodations.Resource@nrc.gov. Determinations on requests for reasonable accommodation will be made on a case-by-case basis and the agency may choose between which effective accommodations to provide. At least ten (10) days advance notice is recommended in order for a request to be processed and implemented if approved. However, every effort will be made to address any reasonable accommodations requests received with less notice.

If you have difficulty understanding and/or communicating in English, free language assistance or other aids and services may be available, upon request. Please email lepresources@nrc.gov. Determinations on requests will be made on a case-by-case basis. At least ten (10) days advance notice is recommended in order for a request to be processed and implemented if approved. However, every effort will be made to address any reasonable accommodations requests received with less notice.

PUBLIC MEETING AGENDA

Public Meeting on Guidance Development for Accelerated Material Qualification

May 06, 2025, 01:00 PM to 05:00 PM ET

Hybrid, One White Flint North, 01F23
11555 Rockville Pike
Rockville, MD

A tentative agenda is provided.

The agenda will be updated the day before the meeting, or earlier.

Time	Topic	Speaker
1:00 PM	Welcome and Introduction	NRC
1:05 PM	Opening Remarks	NRC
1:15 PM	AMMT's Perspectives on Accelerated Material Qualification for Advanced Reactors	DOE
1:30 PM	Accelerating the Deployment of Materials and Advanced Manufacturing Methods for Nuclear Applications	EPRI
1:45 PM	Material Qualification for the eVinci® Microreactor	Westinghouse
2:00 PM	Kairos Power: An Iterative Approach for Reactor Materials	Kairos
2:15 PM	Break	
2:30 PM	Aalo's Advanced Manufacturing and Qualification Approach for Intermediate Heat Exchangers	Aalo
2:45 PM	Metallic Materials Development for the Sodium Advanced Reactor	Terrapower
3:00 PM	Qualification of Metallic Materials for Kaleidos	Radiant Nuclear
3:15 PM	Discussion	Moderator: NRC Discussion Participants: DOE, EPRI, Industry Representatives
4:40 PM	Public Q&A	Public
4:50 PM	Closing Remarks	NRC

Presentations will be attached to the online public meeting notice once available.

Interested members of the public can participate in the question and answer session of this meeting in person, using Microsoft Teams, or by the brideline telephone number.

For additional details, please contact the NRC meeting contact listed on the NRC Public Meeting Schedule or call the NRC's toll-free number, 1-800-368-5642, and ask the operator to be connected to the meeting contact, Aditya Savara.

Because meetings are sometimes canceled or rescheduled as a result of unforeseen circumstances such as severe weather, confirm the meeting schedule by checking the Public Meeting Schedule or communicating with the meeting contact.

ADAMS Accession Number: ML25125A081

Office	RES
Name	Raj Iyengar
Date	04/14/2025

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Link to meeting details: <https://www.nrc.gov/pmns/mtg?do=details&Code=20250482>