



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

June 18, 2025

MEMORANDUM TO: Michael Wentzel, Chief
Advanced Reactor Policy Branch
Division of Advanced Reactors and Non-power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

FROM: Angelica Gheen, Senior Project Manager /RA/
Advanced Reactor Policy Branch
Division of Advanced Reactors and Non-power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE MAY 22, 2025, PUBLIC MEETING WITH
REPRESENTATIVES FROM INDUSTRY, "MEETING ON NEI 24-
11 (REV 0), "FIRE BRIGADE STAFFING ANALYSIS FOR
ADVANCED REACTOR TECHNOLOGIES" (EPID NO. L-2025-
NFG-0005)

Meeting Information:

Public Meeting Notice Agencywide Documents Access and Management System (ADAMS)
Accession No. [ML25122A185](#)

On May 22, 2025, the U.S. Nuclear Regulatory Commission (NRC) staff held a virtual information public meeting with representatives of the Nuclear Energy Institute (NEI) and other members of the nuclear industry. The purpose of the meeting was for the NRC staff and industry representatives to discuss NRC staff feedback on NEI's proposed guidance for a regulatory and technical approach for a risk-informed, performance-based evaluation of the adequacy of fire response for the advanced reactor fleet. Specifically, the NRC staff and industry representatives discussed questions and clarifications associated with the technical report, NEI 24-11, "Fire Brigade Staffing Analysis for Advanced Reactor Technologies," Revision 0 ([ML25098A281](#)).

The notice for this public meeting was posted on the NRC public website on May 02, 2025 (ML25122A185).

Meeting Attendees: See the enclosure for a list of meeting attendees.

CONTACT: Angelica Gheen, NRR/DANU
301-415-1178

Meeting Summary:

This public meeting between NRC staff and representatives of the industry was to discuss the NRC feedback on the NEI's proposed guidance for a regulatory and technical approach for a risk-informed, performance-based evaluation of the adequacy of fire response for the advanced reactor fleet. Specifically, the NRC staff discussed questions and clarifications regarding NEI 24-11, "Fire Brigade Staffing Analysis for Advanced Reactor Technologies," Revision 0 (ML25098A281). NRC staff provided comments and discussion topics prior to the meeting in "Initial NRC staff comments on NEI 24-11 "Fire Brigade Staffing Analysis for Advanced Reactor Technology" for public meeting on May 22, 2025" ([ML25136A373](#)).

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" ([ML21180A271](#)). The main points of discussion during the meeting included:

- The NRC staff opened the meeting with a brief discussion on the purpose of the meeting and meeting logistics.
- NEI representatives offered opening remarks providing a brief overview of their goals for the meeting.
- NEI representatives presented "5.22.2025 NEI 24-11 Public Meeting, NEI Slides" ([ML25148A423](#)) which provided:
 - An overview of the purpose of technical report NEI 24-11 "Fire Brigade Staffing Analysis for Advanced Reactor Technology"
 - Description of changes from last revision
 - A review of NRC provided comments
- NEI provided a review of the comments and discussion topics provided in "Initial NRC staff comments on NEI 24-11 "Fire Brigade Staffing Analysis for Advanced Reactor Technology" for public meeting on May 22, 2025" (ML25136A373).
 - NEI gave a summary of their initial thoughts with participant discussion after each comment presented.
 - Key points of discussion included:
 - Consideration of creating separate flow charts for each option.
 - Applicability of an identical process to microreactors and larger (up to 300 MWe), which have different hazards.
 - Access to, and experience with, specialized equipment for offsite responders at sites with special hazards, such as sodium.
- NEI recommended having a second public meeting, approximately in mid-July, once NRC comments had been incorporated, but prior to the publication of NEI-24-11, Revision 1.
 - Revision and completion of NEI-24-11, Revision 1 is expected by the end of August.
- NEI inquired about an interim approval or confidence measure prior to a Regulatory Guide endorsement.
 - NRC was amenable to issuing an interim letter approving the use of the final methodology which would be finalized in an endorsement via Regulatory Guide revision.

The NRC and NEI agreed that the meeting was productive and looked forward to further discussions on the topic.

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

Enclosure: Attendance List

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JBeaton,OCHCO

AGheen,NRR

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OFFICE	NRR/DANU/UARP/PM	NRR/DANU/UARP/BC	NRR/DANU/UARP/PM
NAME	AGheen	MWentzel	AGheen
DATE	06/18/2025	06/18/2025	06/18/2025

OFFICIAL RECORD COPY

ATTENDANCE LIST¹

<u>Name</u>	<u>Organization</u>
Jennifer Beaton	U.S. Nuclear Regulatory Commission (NRC)
Thinh Dinh	NRC
Angelica Gheen	NRC
Kenneth Hamburger	NRC
Duane Hardesty	NRC
Naeem Iqbal	NRC
Adam Lee	NRC
Nick Melly	NRC
Charles Moulton	NRC
Jeff Rady	NRC
Jay Robinson	NRC
Reinaldo Rodriguez	NRC
Shilp Vasavada	NRC
Sari Alkhatib	Public
Jana Bergman	Public
Blake R. Baxter	Public
Doug Bowman	Public
James Brittain	Public
Chris Courtenay	Public
Clinton Debroy	Public
Michael Empey	Public
Ryan Fayewicz	Public
Josh Foss	Public
Jordan Green	Public
Addison Hall	Public
Kurt Harris	Public
Adina K LaFrance	Public
Keller	Public
Elizabeth Kleinsorg	Public
Erwin Laureano	Public
Donald Lewis	Public

¹ Attendance list based on Microsoft Teams Participant list. This list does not include individuals that connected via phone.

<u>Name</u>	<u>Organization</u>
Paul Loza	Public
Margaret M. MacDonell	Public
Kyle Morrison	Public
Public Observer	Public
Trace Orf	Public
Christopher P. Maxwell	Public
Andy Ratchford	Public
Robert Sandford	Public
Martin Schjoll	Public
Peter Shaw	Public
Michael Stanley	Public
Daniel W. Timmons	Public
Lester Towell	Public
David Wallace	Public
Jamie Wieschhaus	Public
Stew YUEN	Public