



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

February 19, 2024

MEMORANDUM TO: Mahmoud Jardaneh, Chief
New Reactor Licensing Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

FROM: River J. Rohrman, Project Manager */RA/*
New Reactor Licensing Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF
THE JANUARY 22, 2025, OBSERVATION PUBLIC MEETING ON
THE STATUS OF NUSCALE'S US460 STANDARD DESIGN
APPROVAL APPLICATION

The U.S. Nuclear Regulatory Commission (NRC) held an observation public meeting on January 22, 2025, to discuss topics related to NuScale Power, LLC's (NuScale) US460 Standard Design Approval Application (SDAA) available in the NRC's Agencywide Documents Access and Management Systems (ADAMS) Package Accession No. ML23306A033. This meeting was part of a periodic NRC and NuScale management engagement to discuss the status of the application, technical topics of interest, project processes and workflows. The meeting consisted of open and closed portions.

During the open portion of the meeting, the NRC staff gave an overview of the status of its review of the NuScale application. The staff also discussed the progress of the ongoing audit for Phase A of the safety review and noted completion of the following SDAA review phases:

- Phase A (Advanced Safety Evaluation Report (ASER) without open items) - Chapters 2, 3 (except 3.7, 3.8, and 3.9.2), 7, 8, 9, 10, 11, 12, 13, 14, 16, 17 (except 17.4), 18, 19 and LOCA TR.
- Phase B (ASER review (technical editing), Management concurrence) - Chapters 2, 3 (except 3.7, 3.8, and 3.9.2), 7, 8, 9, 10, 11, 12, 13, 14, 16, 17 (except 17.4), 18, 19, and LOCA TR.
- Phase C (ACRS Review of ASER) - Chapters 2, 3 (except 3.7, 3.8, 3.9.2), 7, 8, 9, 10, 11, 12, 13, 14, 16, 17 (except 17.4), 18, and LOCA TR.

CONTACT: River J. Rohrman, NRR/DNRL

Getachew Tesfaye, NRR/DNRL
301-415-8013

The staff also discussed the status of the High Impact Technical Issues (HITIs) and noted that all the HITIs have been resolved and closed.

The staff also presented the statuses of the eight Licensing Topical Reports (LTRs) submitted in the pre-application phase and the four LTRs submitted with the SDAA. The review of all eight of the LTRs submitted in the pre-application phase are completed. The staff notes that at NuScale's request, the review of TR-131981, "Methodology for the Determination of the Onset of Density Wave Oscillations" is put on hold and no longer tied to the scope of the US460 SDAA. The three remaining LTRs that were submitted at same time as the SDAA are being reviewed concurrently with the SDAA's safety review. The presentation material for the open portion of the meeting can be found in ML25014A012 (nonproprietary).

The closed portion of the meeting was held to discuss proprietary items.

The January 22, 2025, public meeting notice was posted on the NRC public website, and can be found under ML25014A054. The enclosure to this summary provides a list of the meeting participants.

Docket Nos. 99902078 and 05200050

Enclosure:
List of Attendees

cc w/encl.: NuScale Power, LLC Listserv

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF THE
 JANUARY 22, 2025, OBSERVATION PUBLIC MEETING ON THE STATUS OF
 NUSCALE'S US460 STANDARD DESIGN APPROVAL APPLICATION
 DATED: FEBRUARY 19, 2024

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ADAMS Accession No.:
Pkg: ML25028A175
Memo: ML25028A176
Action Items: ML25038A040 (Proprietary)
Slides: ML25014A012
Slides: ML25013A268 (Proprietary)
Meeting Notice: ML25014A054

***via email**

NRR-106

OFFICE	NRR/DNRL/NRLB: PM	NRR/DNRL/NLIB: LA	NRR/DNRL/NRLB: PM
NAME	RRohrman	SGreen	GTesfaye
DATE	10/28/2025	01/28/2025	02/05/2025
OFFICE	NRR/DNRL/NRLB: BC		
NAME	MJardaneh		
DATE	02/10/2025		

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**U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF THE JANUARY 22, 2025,
OBSERVATION PUBLIC MEETING ON THE STATUS OF NUSCALE’S US460 STANDARD
DESIGN APPROVAL APPLICATION**

LIST OF ATTENDEES

January 22, 2025

Name	Organization
Eric Benner	U.S. Nuclear Regulatory Commission (NRC)
Greg Bowman	NRC
Mahmoud Jardaneh	NRC
Michele Sampson	NRC
Getachew Tesfaye	NRC
Vic Cusumano	NRC
Tania Martinez Navedo	NRC
Samuel Lee	NRC
Meena Khanna	NRC
Theresa Clark	NRC
Ricky Vivanco	NRC
Tommy Hayden	NRC
Stacy Joseph	NRC
Alina Schiller	NRC
River Rohrman	NRC
Prosanta Chowdhury	NRC
Rebecca Patton	NRC
Carrie Fosaaen	NuScale Power, LLC’s (NuScale)
Mark Shaver	NuScale
Gary Becker	NuScale
Tom Griffith	NuScale
Robert Gamble	NuScale
J. J. Arthur	NuScale
Tim Polich	RoPower