



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

September 27, 2024

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

FROM: Ricky A. Vivanco, 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 JULY 17, 2024, 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 July 17, 2024, 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 the NuScale application review. The staff discussed the progress of the ongoing audit for Phase A of the safety review. The staff noted completion of the following SDAA review phases:

- Phase A (Advanced Safety Evaluation Report (ASER) without open items) - Chapters 2, 7, 9, 10, 11, 12, 13, 17 (except 17.4), and 18.
- Phase B (ASER review (technical editing), Legal and Management concurrence) - Chapters 2, 10, 11, 13, and 17 (except 17.4).
- Phase C (ACRS Review of ASER) - Chapters 2, 10, 11, 13, and 17 (except 17.4).

CONTACT: Ricky A. Vivanco, NRR/DNRL
301-415-0021

Getachew Tesfaye, NRR/DNRL
301-415-8013

The staff also discussed the status of the High Impact Technical Issues (HITIs). The staff noted that the main issues associated with the following HITI have been resolved and removed from the list:

- HITI-9: Upper-to-lower RPV flange bolted joint shear loading those results from differential thermal expansion

The staff identified the following HITI which have been added to the list:

- HITI-10: LOCA Break at CVCS/CIV Connection

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 four 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 ML24194A090 (nonproprietary).

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

The public meeting notice dated July 17th, 2024, was posted on the NRC public website, and can be found under ML24199A095. 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 JULY 17, 2024, OBSERVATION PUBLIC MEETING ON THE STATUS OF NUSCALE'S US460 STANDARD DESIGN APPROVAL APPLICATION
 DATED: SEPTEMBER 27, 2024

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ADAMS Accession No.:

Pkg: ML24242A127

Memo: ML24242A128

Action Items: ML24242A128 (Proprietary)

Slides: ML24194A090

Slides: ML24194A089 (Proprietary)

Meeting Notice: ML24199A095

***via email**

NRR-106

OFFICE	NRR/DNRL/NRLB: PM	NRR/DNRL/NLIB: LA	NRR/DNRL/NRLB: PM
NAME	RVivanco	SGreen	GTesfaye
DATE	8/28/24	08/29/24	09/25/24
OFFICE	NRR/DNRL/NRLB: BC		
NAME	MJardaneh		
DATE	09/27/24		

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**U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF THE JULY 17, 2024,
OBSERVATION PUBLIC MEETING ON THE STATUS OF NUSCALE'S US460 STANDARD
DESIGN APPROVAL APPLICATION**

LIST OF ATTENDEES

July 17, 2024

Name	Organization
Andrea Kock	U.S. Nuclear Regulatory Commission (NRC)
Rob Taylor	NRC
Mahmoud Jardaneh	NRC
Getachew Tesfaye	NRC
Brian Smith	NRC
Getachew Tesfaye	NRC
Tania Martinez Navedo	NRC
Samuel Lee	NRC
Joe Colaccino	NRC
Meena Khanna	NRC
Theresa Clark	NRC
Ricky Vivanco	NRC
Tommy Hayden	NRC
Greg Cranston	NRC
Stacy Joseph	NRC
Dennis Galvin	NRC
Alina Schiller	NRC
River Rohrman	NRC
Prosanta Chowdhury	NRC
Thomas Griffith	NRC
Omar Lopez-Santiago	NRC
Rebecca Patton	NRC
Ryan Nolan	NRC
Carrie Fosaaen	NuScale
Mark Shaver	NuScale
Tom Griffith	NuScale
Robert Gamble	NuScale
Gary Becker	NuScale