



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

July 20, 2022

MEMORANDUM TO: Michael I. Dudek, Chief
New Reactor Licensing Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

FROM: Alina Schiller, Project Manager */RA/*
New Reactor Licensing Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF A PUBLIC MEETING WITH NUSCALE POWER,
LLC, ON JUNE 23, 2022

The U.S. Nuclear Regulatory Commission (NRC) staff conducted an observation public teleconference meeting with NuScale Power, LLC (NuScale), on June 23, 2022. The purpose of the meeting was to discuss two topics: (1) an update on probabilistic risk assessment changes since NuScale's design certification application and (2) NuScale's high-level overview of risk-informed approach to risk categorization in the standard design approval application using the proposed risk-significance determination licensing topical report.

The meeting notice can be found in the Agencywide Documents Access and Management System (ADAMS) Accession No. ML22171A007. The meeting notice was also posted on the NRC public website.

CONTACT: Alina Schiller, NRR/DNRL
301-415-8177

Enclosed are the meeting agenda (Enclosure 1), list of attendees (Enclosure 2), summary of the open session (Enclosure 3), and summary of the closed, proprietary session (Enclosure 4). The documents referenced during the discussion can be found under ADAMS accession nos. given below.

NuScale's presentation material for June 23, 2022, public meeting (open session)	ML22167A130
NuScale's submittal of the accepted version of the "Risk Significance Determination," Revision 0, licensing topical report	ML16284A016
NuScale's presentation material for June 23, 2022, public meeting (closed session)	ML22167A135 (non-public)

Docket No. 99902078

Enclosures:

1. Meeting Agenda
2. List of Attendees
3. Summary of Open Session
4. Summary of Closed, Proprietary Session

cc w/encl.: NuScale Power LLC Listserv

SUBJECT: SUMMARY OF A PUBLIC MEETING WITH NUSCALE POWER, LLC,
ON JUNE 23, 2022, DATED: JULY 20, 2022

DISTRIBUTION:

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ADAMS Accession Nos.:**PKG: ML22195A049****PUBLIC: ML22175A092****PROP: ML22195A050 (Enclosure 4: Proprietary Summary) *via email NRR-106**

OFFICE	DNRL/NRLB: PM	DNRL/NRLB: LA	DNRL/NRLB: PM
NAME	ASchiller	SGreen	GTesfaye
DATE	6/24/2022	7/13/2022	7/12/2022
OFFICE	DNRL/NRLB: BC	DNRL/NRLB: PM	
NAME	MDudek	ASchiller	
DATE	7/20/2022	7/20/2022	

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U.S. NUCLEAR REGULATORY COMMISSION

**OBSERVATION PUBLIC TELECONFERENCE WITH NUSCALE POWER, LLC (NUSCALE)
ON PRE-APPLICATION ACTIVITIES FOR NUSCALE STANDARD DESIGN APPROVAL**

AGENDA FOR PUBLIC MEETING

June 23, 2022

11:00 a.m. – 1:00 p.m. EST

<u>OPEN</u>		
Time	Topic	Led By
11:00 a.m. EST	Introduction	NRC
11:05 a.m. EST	Discussion of Identified Topics	NRC/NuScale
11:25 a.m. EST	Opportunity for Public Comment	Public/NRC
11:30 a.m. EST	Open Portion Concludes	
<u>CLOSED</u>		
11:30 a.m. EST	Discussion of Identified Topics	NRC/NuScale
1:00 p.m. EST	Adjourn	

U.S. NUCLEAR REGULATORY COMMISSION
OBSERVATION PUBLIC TELECONFERENCE WITH NUSCALE POWER, LLC, (NUSCALE)
ON PRE-APPLICATION ACTIVITIES FOR NUSCALE STANDARD DESIGN APPROVAL

PUBLIC MEETING

June 23, 2022
List of Attendees

Name	Organization
Getachew Tesfaye	NRC
Brian Smith	
Mike Franovich	
Meena Khanna	
Marie Pohida	
Shilp Vasavada	
Alissa Neuhausen	
Anne-Marie Grady	
Alina Schiller	
Bruce Bovol	
Steven Alferink	
De Wu	
Keith Tetter	
Ricky Vivanco	
Sunwoo Park	
Carrie Fosaaen	NuScale
Jeremiah Doyle	
Liz English	
Mark Shaver	
Cindy Williams	
Sarah Bristol	
Stan Scoma	
Doug Bowman	
Jim Curry	
Nathan Wahlgren	
Pat Leary	
Brandon Haley	
Emily Crowell	
Howard Brodt	
Kyra Perkins	
Jeffrey Zhou	
Etienne Mullin	
Andy Lingenfelter	
Bill Galyean	
Tom Elicson	
Melissa Bates	US Department of Energy

Note: All participated via teleconference.

Enclosure 2

U.S. NUCLEAR REGULATORY COMMISSION

**OBSERVATION PUBLIC TELECONFERENCE WITH NUSCALE POWER, LLC (NUSCALE)
ON PRE-APPLICATION ACTIVITIES FOR NUSCALE STANDARD DESIGN APPROVAL**

MEETING SUMMARY OF OPEN SESSION

June 23, 2022

On June 23, 2022, the U.S. Nuclear Regulatory Commission (NRC) staff conducted an observation public teleconference meeting with NuScale Power, LLC (NuScale), to discuss: (1) an update on probabilistic risk assessment (PRA) changes since NuScale's design certification application (DCA), and (2) NuScale's high-level overview of risk-informed approach to risk categorization in the standard design approval application (SDAA) using the proposed licensing topical report on risk-significance determination.

The public meeting commenced with opening remarks and an introduction of participants as well as external stakeholders.

NuScale began its presentation on PRA updates and implementation of risk significance determination (ML22167A130) by thanking and acknowledging the Department of Energy for their support and funding of the forthcoming SDAA.

NuScale stated that the purpose of the meeting was to discuss the changes and updates to the PRA since the DCA that reflect the changes to the SDAA design that NuScale had discussed with the NRC staff in a public meeting on June 15, 2022 (ML22161B020 (nonproprietary), ML22161B021 (proprietary)), as well as other PRA updates and a high-level overview of its risk-informed approach to risk categorization in SDAA based on the proposed "Risk Significant Determination" licensing DCA topical report (ML16284A016).

NuScale highlighted that the impacts on the PRA and risk results of the design changes discussed in the presentation slides are preliminary and are based (in-part) on engineering judgement. NuScale noted that preliminary quantitative PRA evaluations had been performed, but these evaluations are based on the cumulative impact of all the design changes from the DCA design to the SDA design. NuScale stated it is currently largely focused on the full power internal events model.

At the conclusion of the open session of the meeting, there was an opportunity for the public to provide comments and ask questions. There were no comments or questions from the public.

After the public session of the meeting, the NRC staff continued discussion with NuScale during a closed meeting to discuss proprietary information related to the two topics.