



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

March 30, 2022

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

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

SUBJECT: SUMMARY OF THE FEBRUARY 22 AND 28, 2022, CLOSED
MEETINGS TO DISCUSS NUSCALE SUBCHANNEL TOPICAL
REPORT ACCEPTANCE REVIEW

The U.S. Nuclear Regulatory Commission (NRC) held a Closed Meeting on February 22 and 28, 2022, to discuss the NuScale Subchannel Topical Report (TR) acceptance review. The supplemental TR-108601, Revision 0, "Statistical Subchannel Analysis Methodology, Supplement 1, was provided by NuScale and supports TR-0915-17564-P-A, Revision 2," (SSAM). This TR supplement can be found in the NRC's Agencywide Documents Access and Management System (ADAMS) Accession Package No. ML21364A132.

Presentation slides from NuScale can be found in ADAMS under Accession No. ML22066A775.

Enclosed is the Meeting Agenda (Enclosure 1), List of Attendees (Enclosure 2), and the meeting overview (Enclosure 3).

Docket No. 99902052

Enclosures:

1. Meeting Agenda
2. As stated
3. Meeting Overview

CONTACT: Bruce M. Bovol, NRR/DNRL
301-415-6715

SUBJECT: SUMMARY OF THE FEBRUARY 22 AND 28, 2022, CLOSED MEETINGS TO DISCUSS NUSCALE SUBCHANNEL TOPICAL REPORT ACCEPTANCE REVIEW DATED: MARCH 30, 2022

DISTRIBUTION:

PUBLIC
NRLB R/F
BBavol, NRR
MDudek, NRR
RPatton, NRR
RNolan, NRR
ABarrett, NRR
R Vivanco, NRR
RidsOgcMailCenter
RidsAcrcMailCenter

ADAMS Accession No.: ML22088A239

***via e-mail**

NRR-106

OFFICE	NRR/DNRL/NRLB: PM	NRR/DNRL/NRLB: LA	NRR/DNRL/NRLB: PM
NAME	BBavol	SGreen*	BBavol*
DATE	03/29/2022	03/29/2022	03/30/2022

OFFICIAL RECORD COPY

U.S. NUCLEAR REGULATORY COMMISSION

**SUMMARY OF THE CLOSED MEETINGS TO DISCUSS NUSCALE SUBCHANNEL TOPICAL
REPORT ACCEPTANCE REVIEW**

MEETING AGENDA

FEBRUARY 22, 2022

<u>Time</u>	<u>Topic</u>
11:30 a.m. – 11:05 a.m.	Welcome and Introductions
11:05 a.m. – 12:25 p.m.	Opening Discussion (NRC/NuScale)
12:25 p.m. – 12:30 p.m.	Action Items - Adjourn

FEBRUARY 28, 2022

<u>Time</u>	<u>Topic</u>
11:00 a.m. – 11:05 a.m.	Welcome and Introductions
11:05 a.m. – 11:55 a.m.	Opening Discussion (NRC / NuScale)
11:55 a.m. – 12:00 noon	Action Items - Adjourn

U.S. NUCLEAR REGULATORY COMMISSION

**SUMMARY OF THE CLOSED MEETINGS TO DISCUSS NUSCALE SUBCHANNEL TOPICAL
REPORT ACCEPTANCE REVIEW**

LIST OF ATTENDEES

FEBRUARY 22, 2022

<u>Name</u>	<u>Organization</u>
Bruce Bavol	U.S. Nuclear Regulatory Commission (NRC)
Michael Dudek	NRC
Rebecca Patton	NRC
Getachew Tesfaye	NRC
Antonio Barrett	NRC
Ryan Nolan	NRC
Ricky Vivanco	NRC
Mark Shaver	NuScale
Rebecca Norris	NuScale
Kris Cummings	NuScale
Allyson Callaway	NuScale
Jeff Luitjens	NuScale

FEBRUARY 28, 2022

<u>Name</u>	<u>Organization</u>
Bruce Bavol	U.S. Nuclear Regulatory Commission (NRC)
Ryan Nolan	NRC
Getachew Tesfaye	NRC
Michael Dudek	NRC
Rebecca Patton	NRC
Timothy Drzewiecki	NRC
Antonio Barrett	NRC
Ricky Vivanco	NRC
Erick Ball	NRC
Kris Cummings	NuScale
Rebecca Norris	NuScale
Mark Shaver	NuScale
Carrie Fosaaen	NuScale
Ken Rooks	NuScale
Kenny Anderson	NuScale
Jeff Luitjens	NuScale
Allyson Callaway	NuScale
Andy Lingenfelter	NuScale

U.S. NUCLEAR REGULATORY COMMISSION

**SUMMARY OF THE FEBRUARY 22 AND 28, 2022, CLOSED MEETINGS TO DISCUSS
NUSCALE SUBCHANNEL TOPICAL REPORT ACCEPTANCE REVIEW**

The U.S. Nuclear Regulatory Commission (NRC) held a Closed Meeting on February 22 and 28, 2022, to discuss the NuScale Subchannel Topical Report acceptance review. The supplemental Topical Report (TR)-108601, Revision 0, "Statistical Subchannel Analysis Methodology, Supplement 1, was provided by NuScale and supports TR-0915-17564-P-A, Revision 2," (SSAM). This TR supplement can be found in the NRC's Agencywide Documents Access and Management System (ADAMS) Accession Package No. ML21364A132.

The submitted material (found in ADAMS under Accession No. ML22066A775) was provided by NuScale to the NRC staff during the February 28, 2022, closed meeting on the referenced TR supplement. The closed meeting discussions centered on the impact to critical heat flux (CHF) calculations associated with the nodalization change proposed in the SSAM. The NRC staff determined that the impact on the prediction of CHF, and associated impact on the development of the CHF correlations and their limits needed to be assessed in a subsequent request for supplemental information.