



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

May 19, 2020

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

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

SUBJECT: SUMMARY OF THE MAY 14, 2020, CATEGORY 1 PUBLIC
TELECONFERENCE WITH NUSCALE POWER, LLC TO
DISCUSS NUSCALE'S GENERAL DESIGN CRITERIA 33
EXEMPTION - REACTOR COOLANT MAKEUP OF THE DESIGN
CERTIFICATION APPLICATION

On May 14, 2020, representatives from the U.S. Nuclear Regulatory Commission (NRC) and NuScale Power, LLC (NuScale), held a Category 1 public teleconference meeting to discuss NuScale's General Design Criteria (GDC) 33 Exemption (Reactor Coolant Makeup of the NuScale Design Certification Application). Participants included personnel from the NRC, NuScale, and one member of the public.

The public meeting notice can be found in the Agencywide Documents Access and Management Systems (ADAMS) under Accession No. ML20134J037. This meeting notice was also posted on the NRC public website located at <https://www.nrc.gov/reactors/new-reactors/design-cert/nuscale/documents.html>.

The Meeting Agenda and List of Attendees can be found in Enclosures 1 and 2 respectively.

On May 14, 2020, NRC staff held a public meeting with NuScale to understand their position associated with an observed conflict in the scope of break sizes considered in their Chapter 15 accident analysis with respect to very small breaks and leaks that are being reviewed as part of NuScale recent Design Certification Application changes.

CONTACT: Bruce Baval, NRR/DNRL
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NRC staff discussed how NuScale's revised licensing approach does not appear to align with their GDC 33 exemption which states that their emergency core cooling system mitigates all break sizes. As a result of the public meeting, NuScale agreed to engage in additional discussions to develop a path forward. The staff will engage with NuScale further on this topic and will continue to evaluate the impact that this complex design change will have on the overall review schedule.

At the end of the teleconference, NRC staff solicited the public for input. The one member of the public on the bridge line responded and asked staff to summarize the GDC 33 exemption issue. The NRR technical branch chief summarized the issue to the satisfaction of the public participant.

Docket No. 52-048

Enclosures:

1. Meeting Agenda
2. List of Participants

cc w/encls.: DC NuScale Power, LLC Listserv

SUBJECT: SUMMARY OF THE MAY 14, 2020, CATEGORY 1 PUBLIC TELECONFERENCE
WITH NUSCALE POWER, LLC TO DISCUSS NUSCALE'S GENERAL DESIGN
CRITERIA 33 EXEMPTION - REACTOR COOLANT MAKEUP OF THE DESIGN
CERTIFICATION APPLICATION DATED
DATED: MAY 19, 2020

DISTRIBUTION:

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ADAMS Accession No.: ML20140A189***via e-mail****NRR-106**

OFFICE	NRR/DNRL/NRLB: PM	NRR/DNRL/NRLB: LA	NRR/DNRL/NRLB: PM
NAME	BBavol	SGreen*	BBavol*
DATE	5/19/2020	5/19/2020	5/19/2020

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U.S. NUCLEAR REGULATORY COMMISSION
CATEGORY 1 PUBLIC TELECONFERENCE WITH NUSCALE POWER, LLC TO DISCUSS
NUSCALE'S GENERAL DESIGN CRITERIA 33 EXEMPTION - REACTOR COOLANT
MAKEUP DISTRIBUTION OF THE DESIGN CERTIFICATION APPLICATION

Meeting Agenda

May 14, 2020

1:00 p.m. – 2:30 p.m.

<u>Time</u>	<u>Topic</u>
1:00 p.m. – 1:15 p.m.	Welcome and Introductions
1:15 p.m. – 1:40 p.m.	Technical discussion
1:40 p.m. – 1:50 p.m.	Public – Questions and Comments
1:50 p.m. – 2:30 p.m.	Closed Portion
2:30 p.m.	Adjourn

U.S. NUCLEAR REGULATORY COMMISSION
CATEGORY 1 PUBLIC TELECONFERENCE WITH NUSCALE POWER, LLC TO DISCUSS
NUSCALE'S GENERAL DESIGN CRITERIA 33 EXEMPTION - REACTOR COOLANT
MAKEUP DISTRIBUTION OF THE DESIGN CERTIFICATION APPLICATION

List of Attendees

May 14, 2020

<u>NAME</u>	<u>AFFILIATION</u>
Marieliz Johnson	U.S. Nuclear Regulatory Commission (NRC)
Rebecca Patton	NRC
Michael Dudek	NRC
Bruce Bovol	NRC
Joshua Borromeo	NRC
Alex Siwy	NRC
Ryan Nolan	NRC
Shanlai Lu	NRC
Gregory Cranston	NRC
Anna Bradford	NRC
Mike Snodderly	NRC
Carl Thurston	NRC
Gary Becker	NuScale Power, LLC (NuScale)
Tom Bergman	NuScale
Adam Brigantic	NuScale
Ben Bristol	NuScale
Sarah Bristol	NuScale
Morris Byram	NuScale
Taylor Coddington	NuScale
Elisa Fairbanks	NuScale
Robert Gamble	NuScale
Karl Gross	NuScale
Paul Infanger	NuScale
Andy Lingenfelter	NuScale
Bryan Marty	NuScale
Mike Melton	NuScale
Rebecca Norris	NuScale
Steven Pope	NuScale
Matthew Presson	NuScale
Zack Rad	NuScale
Ross Snuggerud	NuScale
Tim Tovar	NuScale
Sarah Fields	Public (Uranium Watch)