



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

March 16, 2023

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

FROM: Omid Tabatabai, Senior 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 MARCH 2, 2023, HYBRID OBSERVATION PUBLIC  
MEETING WITH NUSCALE POWER ON ITS EMERGENCY  
ACTIONS LEVEL SCHEME METHODOLOGY

The U.S. Nuclear Regulatory Commission (NRC) staff held a hybrid observation public meeting with NuScale Power, LLC (NuScale) on March 2, 2023. NuScale's stated that the purpose for this meeting was to present its emergency action level (EAL) methodology with an assumed site boundary plume exposure emergency planning zone (EPZ), for "future NuScale US460 licensees, such as Carbon Free Power Project (CFPP), to meet the applicable regulatory requirements regarding emergency plans."

The public meeting notice was posted on the NRC public website on January 31, 2023, and can be accessed on Agencywide Documents Access and Management System (ADAMS) Accession No. ML23031A117. NuScale's non-proprietary presentation slides for this public meeting can be found under ML23051A036.

During the open portion of the presentation, NuScale stated that although the current guidance documents on developing EAL methodologies such as Nuclear Energy Institute (NEI) 99-01, "Methodology for Development of Emergency Action Levels," or NEI 07-01, "Methodology for Development of Emergency Action Levels Advanced Passive Light Water Reactors," are not applicable to small modular reactors, NuScale used these guidance documents to the extent possible in developing its methodology. NuScale further stated that its plans to submit a licensing topical report to the NRC to obtain NRC approval of the methodology.

During the closed portion of the meeting, NuScale presented additional details regarding considerations it took for developing the methodology, as well as the guidance documents it used to address those considerations. The staff discussed the limitations on using NEI 99-01 or NEI 07-01 as a model for a NuScale-specific EAL scheme.

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The NRC staff also stated that there could be several successful formatting and submittal options that NuScale could consider when submitting an EAL scheme methodology topical report for NRC review and approval. The staff inquired if NuScale had considered using the process that NEI had used to submit its NEI 99-01 and NEI 07-01 methodologies guidance documents for NRC endorsements. The NRC staff also reminded NuScale that the staff may not be able to complete a timely review of a topical report that referenced SECY-22-0001, "Final Rule: Emergency Preparedness for Small Modular Reactors and Other New Technologies," because it has not yet been approved by the Commission. NuScale commented that the topical report is not reliant on the proposed rule, however, when the rule is issued the methodology in topical report will meet the intent of the rule.

At the conclusion of the meeting, the NRC and NuScale staff agreed to coordinate on a submittal format and to schedule a presubmittal readiness assessment, or a page-turn, of the topical report as these activities would give the staff important and early insights to the topical report, before it is formally submitted. It was also stated that additional benefits of a readiness assessment, or a page-turn, could be that it would allow the staff to observe the level of detail that NuScale plans to include in the topical report to identify any significant gaps in the required information.

Docket No. 99902052

Enclosure:  
List of Attendees

cc w/enclosure: CFPP Listserv

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DATED: MARCH 16, 2023

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NAME	OTabatabai	SGreen*	OTabatabai*
DATE	03/14/23	03/14/23	03/16/23

**OFFICIAL RECORD COPY**

## Meeting Attendees

<b>Name</b>	<b>Organization</b>
Omid Tabatabai	U.S. Nuclear Regulatory Commission (NRC)
Michael Dudek	NRC
Brian Smith	NRC
Prosanta Chowdhury	NRC
Ken Mott	NRC
Ed Robinson	NRC
Jesse Quichocho	NRC
Michael McCoppin	NRC
Ray Hoffman	NRC
Don Johnson	NRC
Todd Smith	NRC
Michael Norris	NRC
Charles Murray	NRC
Brian Green	NRC
John Volkoff	NuScale
Kyra Perkins	NuScale
Beth Dalick	NuScale
Susan Baughn	NuScale
Kevin Deyette	NuScale
Bob Sanford	NuScale
Matthew Featherston	NuScale
Gary Becker	NuScale
Jeremiah Doyle	NuScale
Erwin Laureano	NuScale
Matt Featherston	NuScale
Sarah Bristol	NuScale
Doug Bowman	NuScale
Tamela Cohen	NuScale
Paul Gionta	NuScale
Lindsey Vance	NuScale
Ron Markovich	CMCG
Don Bosnic	Xcel Energy Nuclear Services
Eric Woods	Fluor
Ken Rach	MPR
Peter Kissinger	Xcel Energy Nuclear Services
Scott Head	CFPP
Bates, Melissa	Department of Energy (DOE)
Fields, Sarah	Uranium Watch

Enclosure