



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

April 26, 2018

MEMORANDUM TO: Samuel S. Lee, Chief  
Licensing Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

FROM: Omid Tabatabai, Senior Project Manager */RA/*  
Licensing Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

SUBJECT: SUMMARY OF THE APRIL 9, 2018, PUBLIC MEETING WITH  
NUSCALE POWER, LLC, TO DISCUSS THE U.S. NUCLEAR  
REGULATORY COMMISSION STAFF QUESTIONS RELATED  
TO THE NUSCALE'S DESIGN CERTIFICATION APPLICATION,  
TIER 2, CHAPTER 20, "MITIGATION OF BEYOND DESIGN  
BASIS EVENTS"

On April 9, 2018, representatives of the U.S. Nuclear Regulatory Commission (NRC) and NuScale Power, LLC (NuScale) held a public teleconference meeting to discuss the NRC staff's questions related to the information in NuScale's design certification application, Tier 2, Chapter 20, "Mitigation of Beyond Design Basis Events." Topics that were discussed during the meeting are available in the Agencywide Documents Access and Management System (ADAMS) under Accession No. ML18085A072.

Enclosure 1 captures the summary of the topics discussed during the teleconference. The agenda and list of meeting attendees are included in Enclosures 2 and 3, respectively. The meeting notice for this meeting is available in ADAMS under Accession No. ML18085A441.

Docket No. 52-048

Enclosures:  
1. Meeting Summary  
2. Agenda  
3. Attendees

CONTACT: Omid Tabatabai, NRO/DNRL  
301-415-6616

SUBJECT: SUMMARY OF THE APRIL 9, 2018, PUBLIC MEETING WITH NUSCALE POWER, LLC, TO DISCUSS THE U.S. NUCLEAR REGULATORY COMMISSION STAFF QUESTIONS RELATED TO THE NUSCALE'S DESIGN CERTIFICATION APPLICATION, TIER 2, CHAPTER 20, "MITIGATION OF BEYOND DESIGN BASIS EVENTS"  
 DATED: 4/26/2018

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NuScale DC Listserv

ADAMS Accession No.: ML18107A666 \*via email

NRC-001

OFFICE	NRO/DNRL/LB1:PM	NRO/DNRL/LB1:LA*	NRO/DSRA/SPSB:BC*
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DATE	4/23/2018	4/18/2018	4/24/2018
OFFICE	NRO/DSRA/SRSB:BC*	NRR/DE/EENB:BC*	NRO/DNRL/LB1:PM
NAME	RKaras	TMartinez Navedo	OTabatabai
DATE	4/26/2018	4/24/2018	4/24/2018

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**U.S. NUCLEAR REGULATORY COMMISSION**

**SUMMARY OF THE APRIL 9, 2018, TELECONFERENCE WITH  
NUSCALE POWER, LLC TO DISCUSS STAFF'S QUESTIONS RELATED TO  
CHAPTER 20, "MITIGATION OF BEYOND DESIGN BASIS EVENTS"**

The U.S. Nuclear Regulatory Commission (NRC) staff requested this public meeting to discuss several questions related to the information contained in Chapter 20, "Mitigation of Beyond Design Basis Events," of the NuScale Power, LLC design certification application (DCA). The NRC staff's detailed questions are available publicly in Agencywide Documents Access and Management System (ADAMS) under Accession No. ML18085A072.

During the meeting, the NRC staff emphasized the need for clarity and consistency in the DCA with respect to NuScale's coping duration. Specifically, the NRC staff pointed out to NuScale that based on the docketed available information, the staff is unable to verify NuScale's 30-day coping capability, for both cooling and monitoring.

Regarding spent fuel pool level (SFP) monitoring capability, NuScale stated that they want to evaluate the option of separating monitoring because it is not a key factor to demonstrate adequate cooling. The SFP level monitoring is currently limited to 72 hours using the highly reliable direct current system (EDSS) and an additional 72 hours with the backup batteries.

The NRC staff believes that the current language in the NuScale DCA, Section 20.1.3, is ambiguous and could be misconstrued by a future combined license (COL) applicant that they have 30 days to coping capability after the onset of a beyond design basis event. The NRC staff recommended that NuScale should clarify inconsistencies in the DCA. NuScale agreed to evaluate the information in the DCA, Chapter 20, to clearly identify their coping strategy/duration.

With respect to NRC staff's request for additional information (RAI) 9064, NuScale agreed to supplement its original response (ADAMS Accession No. ML17320B039) with additional information. NuScale also agreed to evaluate if a revision to COL 20.1-8 is needed to address staff's concerns regarding adequate protection of the storage of backup batteries.

**U.S. NUCLEAR REGULATORY COMMISSION**  
**SUMMARY OF THE APRIL 9, 2018, TELECONFERENCE**  
**WITH NUSCALE POWER, LLC**

**MEETING AGENDA**

Time	Topic	Lead
1:00 – 1:10 pm	Meeting Introductions	NRC/NuScale
1:10 – 2:10 pm	Discussion of Staff's Questions	NRC/NuScale
2:10 – 2:15 pm	Public Comments/Questions	Public
2:15 – 2:20 pm	Meeting Conclusion	NRC/NuScale

**U.S. NUCLEAR REGULATORY COMMISSION**  
**SUMMARY OF THE APRIL 9, 2018, TELECONFERENCE**  
**WITH NUSCALE POWER, LLC**

**LIST OF ATTENDEES**

**NuScale Power, LLC**

Jennie Wike  
Paul Infanger  
Nadja Paulman  
Chris Maxwell  
Liz English  
Eric Coryell  
Pravin Sawant

**U.S. Nuclear Regulatory Commission Staff**

Omid Tabatabai  
Raul Hernandez  
Nan (Danny) Chien  
Ngola Otto  
Chang Li  
Antonio Dias  
Clint Ashley  
Sheila Ray  
John Budzynski  
Donald Palmrose  
Rebecca Karas  
Carl Thurston

**Other Attendees**

Sarah Fields (Uranium Watch)