



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

September 10, 2019

MEMORANDUM TO: Samuel S. Lee, Chief
Licensing Branch 1
Division of Licensing, Siting,
and Environmental Analysis
Office of New Reactors

FROM: Omid Tabatabai, Senior Project Manager */RA/*
Licensing Branch 1
Division of Licensing, Siting,
and Environmental Analysis
Office of New Reactors

SUBJECT: SUMMARY OF THE AUGUST 26, 2019, PUBLIC MEETING
WITH NUSCALE POWER, LLC, TO DISCUSS THE NUCLEAR
REGULATORY COMMISSION STAFF'S QUESTIONS
REGARDING NUSCALE'S REVISED DESIGN CERTIFICATION
APPLICATION, TIER 2, CHAPTER 20, "MITIGATION OF
BEYOND-DESIGN-BASIS EVENTS"

On August 26, 2019, representatives of the U.S. Nuclear Regulatory Commission (NRC) and NuScale Power, LLC (NuScale), held a public meeting to discuss NRC staff's questions regarding NuScale's revised information in the Design Certification Application, Tier 2, Chapter 20, "Mitigation of Beyond-Design-Basis Events," and NuScale Technical Report, entitled, "Mitigation Strategies for Extended Loss of AC Power Event," TR-0816-50797, Revision 2.

Enclosure 1 captures the summary of the topics discussed during the meeting. The agenda and list of meeting attendees are included in Enclosures 2 and 3, respectively. The meeting notice for this meeting is available in the Agencywide Documents Access and Management System under Accession No. ML19220B140. There were no handouts used in this meeting.

Docket No. 52-048

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

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

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

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 DATED: SEPTEMBER 10, 2019

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ADAMS Accession No.: ML19247C034***via email NRC-001**

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DATE	09/04/2019	09/05/2019	09/10/2019

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U.S. NUCLEAR REGULATORY COMMISSION

SUMMARY OF THE AUGUST 26, 2019, PUBLIC MEETING WITH NUSCALE POWER, LLC,

TO DISCUSS THE NUCLEAR REGULATORY COMMISSION STAFF'S QUESTIONS

REGARDING NUSCALE'S REVISED DESIGN CERTIFICATION APPLICATION, TIER 2,

CHAPTER 20, "MITIGATION OF BEYOND-DESIGN-BASIS EVENTS"

On July 30, 2019, NuScale submitted Revision 2 to TR-0816-50797 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML19212A084) and on August 22, 2019, NuScale submitted Revision 3 of the design certification application (DCA) (ADAMS Accession No. ML19241A315). The purpose of this public meeting was for the NRC staff to get clarification from NuScale on four statements in the DCA, Revision 3, and in TR-0816-50797, Revision 2. Below is a summary of the NRC staff's questions and NuScale responses:

NRC Staff Question 1: Please clarify the statement in the DCA, "No mitigation strategies are required" and how this statement is consistent with the requirements contained in Title 10 of the *Code of Federal Regulations* (10 CFR) 50.155, "Mitigation of Beyond-Design-Basis Events,"

NuScale Response: NuScale will revise DCA and TR to remove the statement "no mitigation strategy required."

NRC Staff Question 2: The staff requested NuScale to clarify how the DCA and TR differentiate between "indefinite coping" through the use of "offsite resources" vs. "recovery activities," consistent with the requirements of 10 CFR 50.155.

NuScale Response: NuScale informed the NRC staff that they would like to further discuss this question internally and propose new language to eliminate confusion in the TR regarding the sufficient site functional capability vs. recovery.

NRC Staff Question 3: The staff requested NuScale to clarify the term "ELAP" used in the DCA and TR. Specifically, the staff pointed out that "ELAP" is an industry term, which is different from the damage state specified by 50.155 (i.e. loss of all ac power).

NuScale Response: NuScale will remove the term "ELAP" in DCA and TR and will use "loss of all AC power" to eliminate any confusion.

NRC Staff Question 4: The NRC staff requested NuScale to reference the computer Codes that NuScale has used to perform thermal-hydraulic, or other analysis, in support of the technical information in DCA, Chapter 20.

NuScale Response: NuScale informed the staff that NuScale has already incorporated this information in Section 8.4, "Station Blackout," of the DCA and that has added a statement in Section 20.1.3, "Mitigating Strategies for an Extended Loss of AC Power Event," to point to Section 8.4. The NRC staff will review the revised language in Section 20.1.3.

MEETING AGENDA

Introduction	1:00 – 1:10 pm
Discussions of revised information in DCA, Chapter 20	1:10 – 2:30 pm
Public Comments	2:30 – 2:35 pm

LIST OF ATTENDEES

NuScale Power, LLC

Pat Bagan
Chris Maxwell
Spain Abney
Gary Becker
Liz English
Bob Ginsberg
Jim Curry
Mike Melton
Nadja Joergensen

U.S. Nuclear Regulatory Commission Staff

Omid Tabatabai
Eric Bowman
Clint Ashley
Ryan Nolan
Kevin Coyne
John Budzynski
Sheila Ray
Raul Hernandez
Dinesh Taneja
Chang Li
Ann Paisner
Bob Weisman