



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

July 8, 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 JUNE 17, 2019, PUBLIC MEETING WITH
NUSCALE POWER, LLC, TO DISCUSS NUSCALE'S REVISED
DESIGN CERTIFICATION APPLICATION, TIER 2, CHAPTER 20,
"MITIGATION OF BEYOND-DESIGN-BASIS EVENTS"

On June 17, 2019, representatives of the U.S. Nuclear Regulatory Commission and NuScale Power, LLC (NuScale), held a public meeting to discuss NuScale's revised information regarding its mitigation of beyond-design-basis events strategy in the Design Certification Application, Tier 2, Chapter 20, "Mitigation of Beyond-Design-Basis Events."

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 (ADAMS) under Accession No. ML19142A288. NuScale's presentation handouts are available in ADAMS under Accession No. ML19169A166.

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: JULY 8, 2019

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NuScale DC Listserv

ADAMS Accession No.: ML19176A250

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DATE	7/1/2019	07/01/2019	7/8/2019

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U.S. NUCLEAR REGULATORY COMMISSION

SUMMARY OF THE JUNE 17, 2019, PUBLIC MEETING WITH NUSCALE POWER, LLC, TO

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

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

On March 28, 2019, NuScale Power, LLC (NuScale), submitted a letter to the U.S. Nuclear Regulatory Commission (NRC), entitled, "Review of NuScale's Design Certification Application with Respect to Mitigation of Beyond-Design-Basis Events Final Rule," (Agencywide Documents Access and Management System (ADAMS) Accession No. ML19088A210), and informed the staff that it was revising its design certification application (DCA), Chapter 20, "Mitigation of Beyond-Design-Basis Events," as well as technical report, TR-0816-50797, "Mitigation Strategies for Extended Loss of AC Power Event," to make conforming changes based on the Commission's January 24, 2019 staff requirement memorandum on mitigation of beyond-design-basis events (MBDBE) final rule (ML19023A038). The MBDBE final Rule is scheduled to be codified as 10 CFR 50.155, and available to public, in September 2019.

NuScale submitted an advance copy of the revised DCA Chapter 20, to be incorporated in Revision 3 of the DCA, in a letter dated, June 7, 2019, (ML19158A456), and also submitted Revision 1 to TR-0816-50797 on May 31, 2019, (ML19151A853). The purpose of this public meeting was for NuScale to discuss the updated information and revised approach to addressing the requirements of 10 CFR 50.155, "Mitigation of Beyond Design Basis Events.". NuScale's handouts are available in ADAMS under Accession No. ML19169A166.

During the meeting NuScale described their approach to MBDBE and changes to TR-0816-50797 and Chapter 20. The staff pointed out to NuScale that 10 CFR 50.155(e) requires a licensee to monitor the spent fuel pool level during a beyond-design-basis event to allow operators take appropriate actions when the water level reduces to below the technical specification limit. The staff further stated that NuScale's revised information indicate that the installed spent fuel pool level instrumentation (SFPLI) can monitor the pool level for 14 days without any operator actions, however, the power source (batteries) for the SFPLI only lasts for six days. NuScale explained that the batteries can be replaced with commercially available batteries when they run out. The staff requested NuScale to update the FSAR to indicate that the operator action is required to replace the batteries. NuScale agreed to discuss this issue internally and inform the staff in a follow-up public meeting.

U.S. NUCLEAR REGULATORY COMMISSION
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DISCUSS NUSCALE'S REVISED DESIGN CERTIFICATION APPLICATION, TIER 2,
CHAPTER 20, "MITIGATION OF BEYOND-DESIGN-BASIS EVENTS"

MEETING AGENDA

Introduction	8:30 – 8:40 am
Discussions of revised information in DCA, Chapter 20	8:40 – 10:30 am
Public Comments	10:30 – 10:35 am

U.S. NUCLEAR REGULATORY COMMISSION
SUMMARY OF THE JUNE 17, 2019, PUBLIC MEETING WITH NUSCALE POWER, LLC

LIST OF ATTENDEES

NuScale Power, LLC

Liz English
Chris Maxwell
Mike Melton
Nadja Joergensen
Bob Ginsberg

U.S. Nuclear Regulatory Commission Staff

BP Jain
Clint Ashley
Sam Lee
Kevin Coyne
Ann Paisner
Omid Tabatabai
Raul Hernandez
Ryan Nolan
Chang Li
Nan Chien
Matt McConnell
Eric Bowman
Greg Cranston
Joe Andersen
John Budzynski
Joe Ashcraft
Nick Hansing
Dinesh Taneja
Tim Lupold