

July 12, 2017

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

FROM: Bruce M. Bavol, Project Manager */RA/*
Licensing Branch 1
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SUMMARY OF THE JUNE 28, 2017, CATEGORY 1, PUBLIC
TELECONFERENCE TO DISCUSS THE NUSCALE POWER,
LLC DESIGN CERTIFICATION APPLICATION CHAPTER 5,
SECTION 5.4.1, "STEAM GENERATORS"

The U.S. Nuclear Regulatory Commission (NRC) held a Category 1 public teleconference on June 28, 2017, to discuss NuScale Power, LLC's (NuScale) design certification application's Chapter 5, Section 5.4.1, "Steam Generators." Participants included personnel from NuScale. No members of the general public participated via bridgeline during the meeting.

The public meeting notice dated June 28, 2017, can be found in the NRC's Agencywide Documents Access and Management Systems (ADAMS) under Accession No. ML17166A463. This meeting notice was also posted on the NRC public website.

Enclosed is the meeting agenda (Enclosure 1), list of participants (Enclosures 2), and overview (Enclosure 3). The technical issues discussed as a part of this meeting can be found in ADAMS under Accession No. ML17170A078.

Docket No.: 52-048

Enclosures:

1. Meeting Agenda
2. List of Attendees
3. Meeting Overview

CONTACT: Bruce M. Bavol, NRO/DNRL
301-415-6715

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

SUBJECT: SUMMARY OF THE JUNE 28, 2017, CATEGORY 1, PUBLIC TELECONFERENCE
TO DISCUSS THE NUSCALE POWER, LLC DESIGN CERTIFICATION
APPLICATION CHAPTER 5, SECTION 5.4.1, "STEAM GENERATORS"
DATED: 7/12/2017

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ADAMS Accession No.: ML17192A591

NRO-002

OFFICE	NRO/DNRL/LB1: PM	NRO/DNRL/LB1: LA	NRO/DNRL/LB1: PM
NAME	BBavol	SGreen	BBavol (signed)
DATE	7/12/2017	7/12/2017	7/12/2017

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UNITED STATES NUCLEAR REGULATORY COMMISSION
CATEGORY 1 PUBLIC TELECONFERENCE TO DISCUSS
NUSCALE POWER, LLC'S DESIGN CERTIFICATION APPLICATION

MEETING AGENDA
JUNE 28, 2017

The purpose of this teleconference was for the U.S. Nuclear Regulatory Commission (NRC) staff to have early engagement with NuScale Power, LLC (NuScale) on the design certification application on Chapter 5, Section 5.4.1, "Steam Generators."

<u>Times</u>	<u>Topics</u>
1:00 p.m.	Welcome and Introductions
1:05 - 2:40 p.m.	NRC / NuScale to discuss DCA Section 5.4.1, "Steam Generators."
2:40 - 2:55 p.m.	NuScale / Public - Questions and Comments
2:55 - 3:00 p.m.	Action Items / Feedback
3:00 p.m.	Adjourn Meeting

UNITED STATES NUCLEAR REGULATORY COMMISSION
CATEGORY 1 PUBLIC TELECONFERENCE TO DISCUSS
NUSCALE POWER LLC'S DESIGN CERTIFICATION APPLICATION

LIST OF ATTENDEES

June 28, 2017

Name	Organization
Bruce Bovol	U.S. Nuclear Regulatory Commission (NRC)
Greg Makar	NRC
Matthew Mitchell	NRC
Leslie Terry	NRC
Paul Klein	NRC
Carrie Fosaaen	NuScale Power, LLC (NuScale)
Marty Bryan	NuScale
Matt Mallet	NuScale
Renee Martin	NuScale
Karl Gross	NuScale

OVERVIEW OF JUNE 28, 2017, PUBLIC MEETING
NUSCALE APPLICATION SECTION 5.4.1,
“STEAM GENERATORS” MATERIALS AND
CHEMICAL ENGINEERING BRANCH ISSUES LISTS

All issues were discussed during the call and were given a disposition of “NuScale to submit a supplement to the docketed information,” “NRC staff to issue RAI,” “Pending further NRC staff review,” or “No action necessary.” Issues beginning with “MCB-5.4.1” correspond to information reviewed under Design Specific Review Standard (DSRS) Section 5.4.2.1, “Steam Generator Materials.” Issues beginning with “MCB-5.4.1.2” correspond to information reviewed under DSRS Section 5.4.2.2, “Steam Generator Program.”

For the “Pending further NRC staff review” dispositioned items, NuScale Power, LLC’s (NuScale) provided clarification during the teleconference and the U.S. Nuclear Regulatory Commission (NRC) staff determined that follow-up action would be determined based on an audit of supporting documentation. The issues in this category are the steam generator (SG) tube support structures (Issue MCB-5.4.1-#4(a and b)), the SG tube corrosion allowance (Issue MCB-5.4.1-#6), and SG tube plugging and stabilization (Issue MCB-5.4.1.2-#2).

For the “no action necessary” dispositioned items, NuScale provided clarification during the teleconference and the NRC staff determined that follow-up action would either be coordinated under a different review section, or a docketed supplement was not necessary to meet the NRC’s regulations.

No further action is required on Issue MCB-5.4.1.2-#5 because this information is being reviewed as part of the vibration assessment review under Chapter 3 of the DSRS. However, based on feedback from the applicant, the staff will follow up internally to assess the need to clarify NRC guidance on how to include the design information for SG tube vibration in the application.

NuScale also proposed, and the NRC staff agreed, that MCB-5.4.1.2-#13, which is an editorial change to the Technical Specifications (TSs), be resolved in a TS supplement that addresses multiple administrative changes.

Enclosure 3

A summary of the dispositions are as follows:

Issue List	Action	Issue
5.4.1	NuScale to submit a supplement to the docketed information	MCB-5.4.1-#1, MCB-5.4.1-#4 (c), MCB-5.4.1-#7, MCB-5.4.1-#8,* MCB-5.4.1-#9, MCB-5.4.1-#10
	NRC staff to issue RAI	MCB-5.4.1-#2, MCB-5.4.1-#5,
	Pending further NRC staff review	MCB-5.4.1-#4 (a,b), MCB-5.4.1-#6
	No action necessary	MCB-5.4.1-#3
5.4.1.2	NuScale to submit a supplement to the docketed information	MCB-5.4.1.2-#3, MCB-5.4.1.2-#6, MCB-5.4.1.2-#12, MCB-5.4.1.2-#13 (see note above)
	NRC staff to issue RAI	MCB-5.4.1.2-#8, MCB-5.4.1.2-#9, MCB-5.4.1.2-#10, MCB-5.4.1.2-#11,
	Pending further NRC staff review	MCB-5.4.1.2-#2
	No action necessary	MCB-5.4.1.2-#1, MCB-5.4.1.2-#4, MCB-5.4.1.2-#5,** MCB-5.4.1.2-#7

*NuScale noted that they suggested changes to the FSAR regarding the thermal relief valves for the secondary side of the steam generators at a June 27, 2017, teleconference, and that they planned to coordinate those changes.

**There is an open design item in the area of loading conditions.