

June 5, 2017

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

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

SUBJECT: SUMMARY OF THE MAY 15, 2017, CATEGORY 1, PUBLIC
TELECONFERENCE TO DISCUSS THE NUSCALE POWER, LLC
DESIGN CERTIFICATION APPLICATION CHAPTER 4, "CORE
OPERATING LIMITS REPORT AND RELOAD METHODOLOGY," AND
CHAPTER 5, SECTION 5.2.3

The U.S. Nuclear Regulatory Commission (NRC) held a Category 1 public teleconference on May 15, 2017, to discuss NuScale Power, LLC's (NuScale) design certification application Chapter 4, "Core Operating Limits Report and Reload Methodology," and Chapter 5, Section 5.2.3, regarding NuScale's approach to the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (BPVC). Participants included personnel from NuScale and two members of the public.

The public meeting notice dated May 15, 2017, can be found in the NRC's Agencywide Documents Access and Management Systems (ADAMS) under Accession No. ML17115A032. This meeting notice was also posted on the NRC public website.

Enclosed is the meeting agenda (Enclosure 1) and list of participants (Enclosures 2). The technical issues discussed as a part of this meeting can be found in ADAMS under Accession No. ML17115A065.

CONTACT: Bruce Baval, NRO/DNRL
(301) 415-6715

Overview:

The purpose of this call was to discuss Chapter 4 and Chapter 5, Section 5.2.3, regarding NuScale's approach to the ASME BPVC.

NRC staff discussed how the ASME BPVC prescribes fewer requirements for small sized piping. The NRC staff impressed upon the applicant that the ASME BPVC's treatment of smaller piping may not be consistent with the safety significance of small diameter piping in the NuScale design and that conformance to 10 CFR Part 50.55a may not meet all the requirements of the General Design Criteria found in 10 CFR Part 50, Appendix A. The NRC staff noted that the issue of the ASME BPVC treatment of small piping has been discussed with the ASME BPVC standards body and was noted as a concern during the NuScale pre-application meetings.

In response to the staff discussions, the applicant stated that: (1) the applicant will provide a list of specifications for ASME BPVC Section III Class 1, 2, and 3 components which will describe how a structure, system, or component will meet the ASME BPVC including any exemptions or supplements to the ASME BPVC requirements and (2) the applicant believes that the regulations in 10 CFR Part 50 require only conformance to 10 CFR 50.55a without additional supplements.

After the public meeting the applicant provided the staff with the aforementioned list of specifications. The NRC staff will develop an audit plan to review these documents and develop Requests for Additional Information as required.

Public Participation:

At various times during the teleconference, NRC staff solicited the public for input. One member of the public asked if the review process would be altered because of design differences. NRC staff responded that the process of review would be similar to all previous design applications submitted under Title 10 of the *Code of Federal Regulations*, Part 52.

Docket No. 52-048

Enclosures:
As stated

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

SUBJECT: SUMMARY OF THE MAY 15, 2017, CATEGORY 1, PUBLIC TELECONFERENCE TO DISCUSS THE NUSCALE POWER, LLC DESIGN CERTIFICATION APPLICATION CHAPTER 4, "CORE OPERATING LIMITS REPORT AND RELOAD METHODOLOGY," AND CHAPTER 5, SECTION 5.2.3

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By email*

NRO-002

OFFICE	DNRL/LB1:PM	DNRL/LB1:LA	DEIA/MCB	DNRL/LB1:PM
NAME	BBavol	MBrown*	MMitchell	BBavol (signed)
DATE	6/5/17	6/5/17	6/5/17	6/5/17

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

MEETING AGENDA

May 15, 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 4, "Core Operating Limits Report and Reload Methodology" and Chapter 5, Section 5.2.3, regarding NuScale's approach to the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (BPVC).

1:00 p.m.	Welcome and Introductions
1:05 - 2:40 p.m.	NRC / NuScale to discuss DCA Section 5.2.3, ASME BPVC, and Core Operating Limits Report and Reload Methodology
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

May 15, 2017

Name	Organization
Tim Lupold	U.S. Nuclear Regulatory Commission (NRC)
Bruce Baval	NRC
Becky Karas	NRC
Timothy Drzewiecki	NRC
Jeffrey Schmidt	NRC
Nick Hansing	NRC
Marieliz Vera Amadiz	NRC
Andrew Yeshnik	NRC
Nicholas McMurray	NRC
Dan Widrevitz	NRC
Craig Harbuck	NRC
Eric Reichelt	NRC
John Honcharik	NRC
Ross Snuggerud	NuScale Power, LLC (NuScale)
Darrell Gardner	NuScale
Marty Bryan	NuScale
Allyson Kitto	NuScale
Matt Mallet	NuScale
Bill Koski	NuScale
Tamas Liskai	NuScale
Karl Gross	NuScale
Mark Paul	NuScale
Carrie Fosaaen	NuScale
Ken Rooks	NuScale
Gary Becker	NuScale
Steve Unikewicz	NuScale
Jim Tompkins	NuScale
Larry Losh	NuScale
Ruth Thomas	Public
Sarah Fields	Public