July 18, 2017

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

FROM: Anthony W. Markley, Senior Project Manager ***/RA/***
Licensing Branch 1
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: MEETING SUMMARY OF CLOSED MEETING WITH NUSCALE POWER, LLC TO DISCUSS TECHNICAL ISSUES ON NUSCALE'S ACCIDENT SOURCE TERM TOPICAL REPORT (CAC NO. RQ6304)

On May 23, 2017, representatives of the U.S. Nuclear Regulatory Commission (NRC) staff and NuScale Power, LLC (NuScale) held a closed teleconference meeting for the NRC staff to discuss the NRC staff's questions regarding technical issues identified during the review of NuScale's responses to requests for additional information on the Accident Source Term Topical Report (TR).

Atmospheric Dispersion Modelling

During the NRC staff's evaluation of the NuScale's response to staff questions on atmospheric dispersion modelling, the staff determined that NuScale did not provide a sufficient basis to support its departure from the maximum sector and oversite atmospheric dispersion factor (χ/Q) guidance established in Regulatory Guide 1.145, "Atmospheric Dispersion Models for Potential Accident Consequence Assessments at Nuclear Power Plants."

During the meeting, NuScale indicated that they had digested the NRC staff information and understood the issues. NuScale indicate that they intended to revise their approach and committed to revising and validating their modelling code to reflect established regulatory guidance regarding selection of the maximum sector and 5 percent overall site χ/Q values. NuScale further committed to providing a revised TR by the Labor Day 2017 to support the existing review schedule for the TR. NuScale also indicated that they would be supportive of further discussions and an audit of the TR supporting information.

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NuScale acknowledged that the revised approach would affect the calculations for some scenarios in Chapter 15 and some information in Chapter 2 of the design certification application (DCA). NuScale also agreed to tighten the connection between the supporting information in the TR and the DCA.

At the conclusion of the meeting, the NRC project manager asked each NRC staff participant if they had any additional questions or concerns. No additional items were identified by the NRC staff.

With no further discussion, the meeting was adjourned.

The list of meeting attendees is included in the Enclosure. The meeting notice and agenda are available in Agencywide Documents Access and Management System (ADAMS) with Accession No.: ML17123A159. ADAMS is the system that provides text and image files of NRC's public documents and can be accessed at the NRC's Electronic Reading Room at http://www.nrc.gov/reading-rm/adams.html. If you do not have access to ADAMS or have problems accessing the documents located in ADAMS, contact the NRC Public Document Room staff at (800) 397-4209, (301) 415-4737, or pdr@nrc.gov.

Enclosure:
As stated

cc: NuScale List Serv

MEETING SUMMARY OF CLOSED MEETING WITH NUSCALE POWER, LLC TO DISCUSS TECHNICAL ISSUES ON NUSCALE'S ACCIDENT SOURCE TERM TOPICAL REPORT (CAC NO. RQ6304) DATE: 7/18/2017

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NAME	AMarkley	SGreen	GCranston	AMarkley
DATE	6/22/2017	7/13/2017	7/18/2017	6/22/2017

OFFICIAL RECORD COPY

LIST OF MEETING ATTENDEES

MAY 23, 2017

Closed Teleconference Meeting

Attendee Name	Affiliation
Brad Harvey	NRC
Chris Cook	NRC
Andy Campbell	NRC
Anthony Markley	NRC
Darrell Gardner	NuScale
Jennie Wike	NuScale
Nolan Bartlow	NuScale
Jim Osborn	NuScale
Steve Mirsky	NuScale

ENCLOSURE