

August 16, 2017

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

FROM: Prosanta Chowdhury, Project Manager /RA/
Licensing Branch 1
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SUMMARY OF THE JULY 25, 2017, CATEGORY 1, PUBLIC
TELECONFERENCE TO DISCUSS NUSCALE RESPONSE TO
REQUEST FOR ADDITIONAL INFORMATION NOS. 8827, 8828,
8829

On July 25, 2017, the U.S. Nuclear Regulatory Commission (NRC) staff held a Category 1 public teleconference with NuScale Power, LLC's (NuScale) to discuss NuScale's responses of June 15 and 16, 2017, to the Request for Additional Information (RAI) Nos. 8827, 8828, and 8829. These responses can be found in Agencywide Documents Access and Management Systems (ADAMS) Accession Nos. ML17167A332, ML17166A309, and ML17166A294, respectively. No members of the general public participated during the meeting.

The public meeting notice dated July 25, 2017, can be found in ADAMS under Accession No. ML17205A294. This meeting notice was also posted on the NRC public Web site.

Enclosed is the meeting agenda (Enclosure 1), list of attendees (Enclosures 2), and meeting summary (Enclosure 3).

Docket No.: 52-048

Enclosures:

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

CONTACT: Prosanta Chowdhury, NRO/DNRL
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cc w/encl.: DC NuScale Power, LLC Listserv

SUBJECT: SUMMARY OF THE JULY 25, 2017, CATEGORY 1, PUBLIC TELECONFERENCE
TO DISCUSS NUSCALE RESPONSE TO REQUEST FOR ADDITIONAL
INFORMATION NOS. 8827, 8828, 8829 DATED: 8/16/2017

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DATE	8/02/2017	8/07/2017	8/16/2017

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JULY 25, 2017, CATEGORY 1, PUBLIC TELECONFERENCE TO DISCUSS
NUSCALE RESPONSE TO
REQUEST FOR ADDITIONAL INFORMATION NOS. 8827, 8828, 8829

MEETING AGENDA

The purpose of this teleconference was for the U.S. Nuclear Regulatory Commission (NRC) staff to communicate to NuScale the NRC staff's comments on the content of NuScale's response to RAI Nos. 8827, 8828, 8829.

<u>Times</u>	<u>Topics</u>
1:00 p.m.	Welcome and Introductions
1:05 - 1:45 p.m.	NRC / NuScale to discuss NuScale's response to RAI Nos. 8827, 8828, 8829
1:45 - 2:00 p.m.	Public Comments
2:00 p.m.	Adjourn Meeting

JULY 25, 2017, CATEGORY 1, PUBLIC TELECONFERENCE TO DISCUSS
NUSCALE RESPONSE TO
REQUEST FOR ADDITIONAL INFORMATION NOS. 8827, 8828, 8829

LIST OF ATTENDEES

Name	Organization
Joseph Demarshall	U.S. Nuclear Regulatory Commission (NRC)
Prosanta Chowdhury	NRC
Tim Tovar	NuScale Power, LLC (NuScale)
Doug Bowman	NuScale
Ross Snuggerud	NuScale
Michael Downs	NuScale
Steve Mirsky	NuScale
Steve Pope	NuScale
Steve Unikewicz	NuScale

**SUMMARY OF THE JULY 25, 2017, CATEGORY 1, PUBLIC TELECONFERENCE TO
DISCUSS NUSCALE RESPONSE TO
REQUEST FOR ADDITIONAL INFORMATION NOS. 8827, 8828, 8829**

On July 25, 2017, the U.S. Nuclear Regulatory Commission (NRC) staff held a public meeting with the NuScale Power, LLC (NuScale) staff to discuss NuScale's response of June 15 and 16, 2017, to Requests for Additional Information (RAIs) 29 (eRAI 8827), 30 (eRAI 8828), and 31 (eRAI 8829). RAI 8827 is associated with the review of NuScale Design Certification Application (DCA), Final Safety Analysis Report (FSAR), Chapter 13, "Conduct of Operations," Section 13.5, "Plant Procedures," and contains three questions - 13.05.02.01-2, 13.05.02.01-3, and 13.05.02.01-4, RAI 8828 is associated with FSAR Section 13.1, "Organizational Structure," and contains one question - 13.01.01-1, and RAI 8829 is associated with FSAR Section 13.2, "Training," and contains one question - 13.02.02-1. The meeting started at 1 p.m. eastern time (ET) and ended at 1:50 p.m. ET, and was conducted via a teleconference. Attendees for this meeting are listed in Enclosure 2. No members of the public attended this meeting.

The staff did not have any comments on NuScale's response to RAI 8829. The staff devoted the rest of the meeting to discuss the combined license (COL) item markups (COL Items 13.1-1, and 13.5-2 through 13.5-8), provided in the responses to NuScale RAIs 8827 and 8828.

During the meeting, the staff provided, for NuScale consideration, suggested wording changes to the above referenced COL items that would (1) correct a discrepancy in COL Item 13.5-7, (2) eliminate the need to specify COL Item 13.5-6, and (3) promote consistency and provide clarity with respect to (i) Regulatory Guide (RG) 1.206, "Combined License Applications for Nuclear Power Plants," Section C.I.13.5, "Plant Procedures," and (ii) NUREG-0800, "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants: LWR Edition," Chapter 13, "Conduct of Operations," Section 13.5, "Plant Procedures." The COL items listed below reflect the suggested wording changes:

RAI 8827:

COL Item 13.5-2

A COL applicant that references the NuScale Power Plant design certification will describe the site-specific procedures that operators use in the main control room and locally in the plant, including normal operating procedures, abnormal operating procedures, and emergency operating procedures (EOPs). The COL applicant will describe the classification system for these procedures, and the general format and content of the different classifications.

COL Item 13.5-3

A COL applicant that references the NuScale Power Plant design certification will describe the site-specific maintenance and other operating procedures, including how these procedures are classified, and the general format and content of the different classifications. The categories of procedures listed below should be included:

- plant radiation protection procedures
- emergency preparedness procedures
- calibration and test procedures
- chemical-radiochemical control procedures
- radioactive waste management procedures
- maintenance and modification procedures
- material control procedures
- plant security procedures

COL Item 13.5-4

A COL applicant that references the NuScale Power Plant design certification will provide a plan for the development, implementation, and control of administrative procedures, including preliminary schedules for preparation and target dates for completion. Additionally, the COL applicant will identify the group within the operating organization responsible for maintaining these procedures.

COL Item 13.5-5

A COL applicant that references the NuScale Power Plant design certification will provide a plan for the development, implementation, and control of operating procedures, including preliminary schedules for preparation and target dates for completion. Additionally, the COL applicant will identify the group within the operating organization responsible for maintaining these procedures.

COL Item 13.5-6

COL Item 13.5-6 can be deleted on the basis of suggested wording changes to COL Item 13.5-2.

COL Item 13.5-7

A COL applicant that references the NuScale Power Plant design certification will provide a plan for the development, implementation, and control of EOPs, including preliminary schedules for preparation and target dates for completion. Included in the submittal is the Procedures Generation Package, consisting of the following:

- Plant Specific Technical Guidelines, which are guidelines based on analysis of transients and accidents that are specific to the COL applicant's plant design and operating philosophy.
- A plant-specific writer's guide that details the specific methods to be used by the COL applicant in preparing EOPs based on the Plant Specific Technical Guidelines.

- A description of the program for verification and validation of the EOPs.
- A description of the program for training operators on the EOPs.

Additionally, the COL applicant will identify the group within the operating organization responsible for maintaining these procedures.

COL Item 13.5-8

A COL applicant that references the NuScale Power Plant design certification will provide a plan for the development, implementation, and control of maintenance and other operating procedures, including preliminary schedules for preparation and target dates for completion. Additionally, the COL applicant will identify what group or groups within the operating organization have the responsibility for maintaining and following these procedures.

RAI 8828:

COL Item 13.1-1

A COL applicant that references the NuScale Power Plant design certification will provide a description of the corporate or home office management and technical support organization, including a description of the qualification requirements for (1) each identified position or class of positions that provide technical support to the onsite operating organization, and (2) individuals holding management and supervisory positions in organizational units providing technical support to the onsite operating organization.

The NuScale PM coordinating this area of review expressed reservations regarding the staff's comments, believing them to be strictly editorial. The staff emphasized that the comments were substantive recommendations for suggested wording changes for NuScale to consider and make their own decision; recommendations that would (1) correct a discrepancy in COL Item 13.5-7, (2) eliminate the need to specify COL Item 13.5-6, and (3) promote consistency and provide clarity with respect to RG 1.206 and Chapter 13 of NUREG-0800.

With respect to NuScale's comment about these RAIs being based on COL applicant's requirements under Title 10 of the *Code of Federal Regulations* (10 CFR) 52.79, the staff responded by clarifying that because the subject RAIs (8827, 8828, and 8829) address issues pertaining only to COL items specified in the DCA (items introduced by NuScale), it was both appropriate and necessary to reference the applicable 10 CFR 52.79 requirement in order to provide the requisite context to effectively communicate the issue within the confines of the RAI. The staff also clarified, that in addition to providing the Subpart C (Combined Licenses) references to 10 CFR 52.79, it also provided the Subpart B (Standard Design Certifications) references to 10 CFR 52.47 within the very same paragraph of each RAI, in an effort to establish the nexus between these subpart requirements and provide an informative basis upon which to construct the RAI.