



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

September 23, 2019

MEMORANDUM TO: Samuel S. Lee, Chief  
Licensing Branch 1  
Division of Licensing, Siting,  
and Environmental Analysis  
Office of New Reactors

FROM: Cayetano Santos, Jr., Project Manager */RA/*  
Licensing Branch 1  
Division of Licensing, Siting,  
and Environmental Analysis  
Office of New Reactors

SUBJECT: SUMMARY OF THE SEPTEMBER 4, 2019, PUBLIC  
TELECONFERENCE REGARDING THE INSPECTIONS, TESTS,  
ANALYSES, AND ACCEPTANCE CRITERIA IN NUSCALE  
POWER, LLC'S DESIGN CERTIFICATION APPLICATION

On September 4, 2019, a Category 1 public teleconference was held between the U.S. Nuclear Regulatory Commission (NRC) staff and NuScale Power, LLC (NuScale). The purpose of the meeting was to discuss proposed inspections, tests, analyses and acceptance criteria described in NuScale's design certification application.

The meeting notice was posted on the NRC website and is also in the NRC's Agencywide Documents Access and Management System under Accession Number ML19217A096. The Meeting Summary is provided as Enclosure 1, which captures the summary of topics discussed. The Meeting Agenda and List of Attendees are provided as Enclosures 2 and 3, respectively.

Docket No. 52-048

Enclosures:

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

cc w/encl: DC NuScale Power, LLC Listserv

CONTACT: Cayetano Santos, Jr., NRO/DLSE  
301-415-7270

SUBJECT: SUMMARY OF THE SEPTEMBER 4, 2019, PUBLIC TELECONFERENCE  
REGARDING THE INSPECTIONS, TESTS, ANALYSES, AND ACCEPTANCE  
CRITERIA IN NUSCALE POWER, LLC'S DESIGN CERTIFICATION APPLICATION  
DATED: SEPTEMBER 23, 2019

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**ADAMS Accession No.: ML19260G538****\*via email****NRO-002**

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<b>DATE</b>	09/23/2019	09/20/2019	09/23/2019

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**U.S. NUCLEAR REGULATORY COMMISSION**

**PROPOSED INSPECTIONS, TESTS, ANALYSES, AND ACCEPTANCE CRITERIA**

**MEETING SUMMARY**

September 4, 2019

In response to Request for Additional Information (RAI) No. 9681 dated July 19, 2019 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML19200A248), NuScale Power, LLC (NuScale), proposed relocating the following inspections, tests, analyses, and acceptance criteria (ITAAC) from Design Certification Application (DCA), Tier 1, Chapter 2, "Unit Specific Structures, Systems, and Components Design Descriptions and Inspections, Tests, Analyses, and Acceptance Criteria," to Tier 1, Chapter 3, "Shared Structures, Systems, and Components and Non-Structures, Systems, and Components Design Descriptions and Inspections, Tests, Analyses, and Acceptance Criteria."

1. *ITAAC #22 from Table 2.1-4 was relocated to ITAAC #4 in Table 3.14-2*
2. *ITAAC #3 from Table 2.8-2 was relocated to ITAAC #5 in Table 3.14-2*
3. *ITAAC #5 from Table 2.8-2 was relocated to ITAAC #6 in Table 3.14-2*
4. *ITAAC #6 from Table 2.8-2 was relocated to ITAAC #7 in Table 3.14-2*
5. *ITAAC #8 from Table 2.8-2 was relocated to ITAAC #8 in Table 3.14-2*

The U.S. Nuclear Regulatory Commission (NRC) staff asked NuScale to explain the basis for these changes. NuScale stated that these five ITAAC meet the Tier 1 definition of Common or Shared ITAAC so NuScale proposed to relocate them to Tier 1, Section 3.14. With respect to ITAAC #6, the staff discussed the provisions for valve qualification in the American Society of Mechanical Engineers (ASME) Standard QME-1-2007, "Qualification of Active Mechanical Equipment Used in Nuclear Power Plants," which is addressed by the Qualification Report specified in the ITAAC with more detail in Tier 2 of the DCA Part 2. Per this standard, the staff indicated that all safety-related valves are required by the ITAAC and Tier 2 to satisfy ASME Standard QME-1-2007, although different levels of testing may be applied to the first valve and all subsequent valves. Upon consideration of this information, NuScale indicated that these five ITAAC will be moved back to their original location in Tier 1, Chapter 2.

There was an opportunity for members of the public to provide comments and ask questions. No comments or questions were received.

**U.S. NUCLEAR REGULATORY COMMISSION**

**PROPOSED INSPECTIONS, TESTS, ANALYSES, AND ACCEPTANCE CRITERIA**

**MEETING AGENDA**

**September 4, 2019**

**12:00 p.m. – 1:00 p.m.**

The purpose of this teleconference was for the U.S. Nuclear Regulatory Commission (NRC) and NuScale Power, LLC, (NuScale) to discuss proposed inspections, tests, analyses, and acceptance criteria (ITAAC).

<b><u>Time</u></b>	<b><u>Topic</u></b>	<b><u>Speaker</u></b>
12:00 p.m. – 12:05 p.m.	Introductions	All
12:05 p.m. – 12:45 p.m.	Proposed ITAAC	NRC/NuScale
12:45 p.m. – 1:00 p.m.	Public Comments	Public
1:00 p.m.	Adjourn	All

**U.S. NUCLEAR REGULATORY COMMISSION**

**PROPOSED INSPECTIONS, TESTS, ANALYSES, AND ACCEPTANCE CRITERIA**

**LIST OF ATTENDEES**

**September 4, 2019**

**12:00 p.m. – 1:00 p.m.**

<b><u>Name</u></b>	<b><u>Organization</u></b>
Cayetano Santos	U.S. Nuclear Regulatory Commission (NRC)
Nicholas Hansing	NRC
Nadim Khan	NRC
Sheila Ray	NRC
John Budzynski	NRC
Alexandra Siwy	NRC
Clinton Ashley	NRC
Thomas Scarbrough	NRC
Nadja Joergensen	NuScale Power, LLC (NuScale)
Chris Maxwell	NuScale
Edan Engstrom	NuScale
Spain Abney	NuScale
Dustin Greenwood	NuScale