



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

August 12, 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 JULY 17, 2019, PUBLIC  
TELECONFERENCE REGARDING THE INSPECTIONS, TESTS,  
ANALYSES, AND ACCEPTANCE CRITERIA IN NUSCALE  
POWER, LLC'S DESIGN CERTIFICATION APPLICATION

On July 17, 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 the inspections, tests, analyses, and acceptance criteria (ITAAC) to verify the structural integrity of the reactor building, radioactive waste building, and control building. The meeting notice was posted on the NRC website and is also in the NRC's Agencywide Documents Access and Management System (ADAMS) under Accession Number ML19158A511. 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:  
As stated

cc w/ncl: DC NuScale Power, LLC Listserv

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

SUBJECT: SUMMARY OF THE JULY 17, 2019, PUBLIC TELECONFERENCE REGARDING THE INSPECTIONS, TESTS, ANALYSES, AND ACCEPTANCE CRITERIA IN NUSCALE POWER, LLC'S DESIGN CERTIFICATION APPLICATION DATED: AUGUST 12, 2019

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**ADAMS Accession No.: ML19212A688**

\*via email

**NRO-002**

<b>OFFICE</b>	DLSE/LB1:PM	DLSE/LB1:LA	DLSE/LB1:PM
<b>NAME</b>	CSantos	MMoore*	CSantos
<b>DATE</b>	08/12/2019	08/1/2019	08/12/2019

**OFFICIAL RECORD COPY**

## **Meeting Summary**

### **Public Teleconference Regarding Structural ITAAC**

**July 17, 2019**

The discussion was a follow-up of a topic discussed during a public meeting on July 11, 2019 (ADAMS Accession No. ML19199A015). The meeting began by NuScale describing its concerns with the ITAAC language suggested by the NRC staff: (1) NuScale's proposed ITAAC is consistent with the language in the Standardized ITAAC and (2) the change tracking process in the staff's proposal does not rise to the level of Tier 1 information based on the Nuclear Energy Institute's (NEI's) First Principles approach. The staff noted that if past precedent is used to develop the structural ITAAC, a lot more information would need to be added to Tier 1. The staff also commented that the NEI First Principles approach is not being reviewed as part of the NuScale application.

NuScale described its revised proposal to address staff concerns. The acceptance criteria in the ITAAC has been revised to reference a design summary report which is further described in Tier 2, Section 3.4.8.5.1, "Design Summary Report." NuScale also noted that a pointer was added from Table 14.3-2, "Shared/Common Structures, Systems, and Components and Non-Structures, Systems, and components Based Design Features and Inspections, Tests, Analyses, and Acceptance Criteria Cross Reference," to Tier 2, Section 3.4.8.5.1.

The staff commented that the proposed description in Tier 2, Section 3.4.8.5.1 is unclear whether the reconciliation will consider the cumulative effect of all the deviations (to load and configuration) between the as-designed and as-built structure in establishing the as-built demand and capacity. In addition, the ITAAC does not capture the reconciliation of the in-structure spectra of the as-built structure with that established during the combined license.

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

**Meeting Agenda**

**July 17, 2019**

**1:30 p.m. – 2:30 p.m.**

The purpose of this teleconference was for the U.S. Nuclear Regulatory Commission (NRC) staff to discuss structural ITAAC.

<b><u>Time</u></b>	<b><u>Topic</u></b>	<b><u>Speaker</u></b>
1:30 p.m. – 1:35 p.m.	Introductions	All
1:35 p.m. – 2:15 p.m.	Discussion of Structural ITAAC	NRC/NuScale
2:15 p.m. – 2:30 p.m.	Public Comments	Public
2:30 p.m.	Adjourn	All

**LIST OF ATTENDEES**

**July 17, 2019**

**1:30 p.m. – 2:30 p.m.**

<b><u>Name</u></b>	<b><u>Organization</u></b>
Cayetano Santos	U.S. Nuclear Regulatory Commission (NRC)
Sujit Samaddar	NRC
Edward Stutzcage	NRC
Nadja Joergensen	NuScale Power, LLC (NuScale)
Chris Maxwell	NuScale
Edan Engstrom	NuScale
Marty Bryan	NuScale
Evren Ulku	NuScale
Spain Abney	NuScale
Carrie Fosaaen	NuScale
Josh Parker	NuScale