



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

October 29, 2019

MEMORANDUM TO: Michael I. Dudek, Chief
New Reactor Licensing
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

FROM: Getachew Tesfaye, Senior Project Manager */RA/*
New Reactor Licensing
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE JULY 22, 2019, CATEGORY 1 PUBLIC
TELECONFERENCE TO DISCUSS INTERFACE ITEMS FOR
PENETRATIONS AND VENTILATION DUCTS ASSOCIATED
WITH THE NUSCALE POWER, LLC DESIGN CERTIFICATION
APPLICATION

The U.S. Nuclear Regulatory Commission (NRC) held a Category 1 public teleconference meeting on July 22, 2019, to discuss interface items for penetrations and ventilation ducts associated with the NuScale Power, LLC (NuScale) design certification application. The meeting attendees were personnel from NuScale. Members of the general public did not attend the meeting.

The public meeting notice dated June 25, 2019, can be found in the NRC's Agencywide Documents Access and Management Systems under Accession No. ML19203A002. This meeting notice was also posted on the NRC public Web site.

Enclosed is the meeting agenda (Enclosure 1), list of participants (Enclosure 2), and overview (Enclosure 3).

Docket No. 52-048

Enclosures:

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

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

CONTACT: Getachew Tesfaye, NRO/DNRL
301-415-8013

SUBJECT: SUMMARY OF THE JULY 22, 2019, CATEGORY 1 PUBLIC TELECONFERENCE
 TO DISCUSS INTERFACE ITEMS FOR PENETRATIONS AND VENTILATION
 DUCTS ASSOCIATED WITH THE NUSCALE POWER, LLC DESIGN
 CERTIFICATION APPLICATION
 DATED: OCTOBER 29, 2019

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ADAMS Accession No.: ML19305E460***via email****NRR-106**

OFFICE	DNRL/NRLB: PM	DNRL/NRLB: LA	DNRL/NRLB: PM
NAME	GTesfaye	SGreen*	GTesfaye*
DATE	10/28/2019	10/29/2019	10/29/2019

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U.S. NUCLEAR REGULATORY COMMISSION
CATEGORY 1 PUBLIC MEETING TO DISCUSS INTERFACE ITEMS FOR PENETRATIONS
AND VENTILATION DUCTS ASSOCIATED WITH THE NUSCALE POWER, LLC DESIGN
CERTIFICATION APPLICATION

MEETING AGENDA

July 22, 2019

11:00 – 11:10 AM

Introductions and Identification of topics

11:10 – 11:50 AM

Discussion of interface items for penetrations and ventilation ducts

11:50 – 12:00 PM

Public Comments/Questions

12:00 PM

Meeting Closure

U.S. NUCLEAR REGULATORY COMMISSION

**CATEGORY 1 PUBLIC MEETING TO DISCUSS INTERFACE ITEMS FOR PENETRATIONS
AND VENTILATION DUCTS ASSOCIATED WITH THE NUSCALE POWER, LLC DESIGN**

CERTIFICATION APPLICATION

LIST OF ATTENDEES

July 22, 2019

Name	Organization
Getachew Tesfaye	U.S. Nuclear Regulatory Commission (NRC)
Edward Stutzcage	NRC
Ronald LaVera	NRC
Robert Weisman	NRC
Michael Dudek	NRC
Cayetano Santos	NRC
Andy Campbell	NRC
Carrie Fosaaen	NuScale Power, LLC (NuScale)
John Bristol	NuScale
Jim Osborn	NuScale
Russell Goff	NuScale
Rose Charoensombud	NuScale
Gary Becker	NuScale
Mark Shaver	NuScale

U.S. NUCLEAR REGULATORY COMMISSION

**OVERVIEW OF THE JULY 22, 2019, PUBLIC MEETING ON INTERFACE ITEMS FOR
PENETRATIONS AND VENTILATION DUCTS ASSOCIATED WITH THE NUSCALE POWER,
LLC DESIGN CERTIFICATION APPLICATION**

The purpose of this meeting was to get alignment between NuScale Power, LLC (NuScale) and the U.S. Nuclear Regulatory Commission (NRC) on the implementation of interface requirements regarding identified areas that have not yet been fully designed. The staff has identified what it believes is a workable path forward on three requests for additional information (RAIs) associated with needed design implementation interface requirements (RAI-9295 Question 12.03-55, RAI-9656 Question 12.03-63 and RAI-9278 Question 12.03-33). These RAIs pertain to radiation shielding associated with the penetrations in the shield wall and the use of fire dampers to isolate ventilation ducts for the purpose of confining radioactive materials.

The discussion topics for the July 22, 2019, meeting can be found in the NRC's Agencywide Documents Access and Management Systems under Accession No. ML19204A277.

A. Outcomes:

1. The staff gave the economic simplified boiling-water reactor (ESBWR) experience as an acceptable example for implementing interface requirements. The ESBWR design implemented interface requirements by making changes to the ESBWR Design Control Document Tier 1, Chapter 4, (ADAMS Accession No. ML14100A493). One possible success path that the NRC has identified for addressing the impacted RAIs is the implementation of changes to the NuScale DCD Tier 1, "Certified Design Descriptions and Inspections, Tests, Analyses, & Acceptance Criteria (ITAAC)," Chapter 4, "Interface Requirement," based on those described in the referenced discussion topics.
2. NuScale disagreed and pointed out an apparent inconsistency with the fire protection requirement for three-hour fire barrier described in Chapter 9 and pipe routing where this type of interface items was not asked. They believe the combined license (COL) item and the other information they provided in Chapter 12 should be enough.
3. The staff noted that the COL item NuScale proposed does not go far enough for an item that is within the scope of the design certification and has not yet been designed.
4. The staff will consider providing additional document that clarifies the staff's position on interface item requirement after discussing the matter with management.