

September 28, 2017

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

FROM: Marieliz Vera, Project Manager */RA/*
Licensing Branch 1
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SUMMARY OF MAY 2, 2017, CATEGORY 1 PUBLIC TELECONFERENCE TO DISCUSS NUSCALE POWER, LLC'S DESIGN CERTIFICATION APPLICATION CHAPTER 3, "DESIGN OF STRUCTURES, SYSTEMS, COMPONENTS AND EQUIPMENT", SECTION 3.6.2, "DETERMINATION OF RUPTURE LOCATIONS AND DYNAMIC EFFECTS ASSOCIATED WITH THE POSTULATED RUPTURE OF PIPING", SECTION 3.9.2, "DYNAMIC TESTING AND ANALYSIS OF SYSTEMS, COMPONENTS, AND EQUIPMENT", SECTION 3.9.4, "CONTROL ROD DRIVE SYSTEM", AND SECTION 3.9.6, "FUNCTIONAL DESIGN, QUALIFICATION, AND INSERVICE TESTING PROGRAMS FOR PUMPS, VALVES, AND DYNAMIC RESTRAINTS"

The U.S. Nuclear Regulatory Commission (NRC) held a Category 1 public teleconference on May 2, 2017, to discuss NuScale Power's, LLC (NuScale) design certification (DC), Section 3.6.2, Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping", Section 3.9.2, "Dynamic Testing and Analysis of Systems, Components, and Equipment", Section 3.9.4, "Control Rod Drive System", and Section 3.9.6, "Functional Design, Qualification, and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints". Participants included personnel from NuScale. There were no members of the public.

The public meeting notice can be found in the Agencywide Documents Access and Management Systems (ADAMS) under Accession No. ML17121A053. This meeting notice was also posted on the NRC public Web site.

The meeting agenda and list of participants are attached as Enclosures 1 and 2.

CONTACT: Marieliz Vera, NRO/DNRL
301-415-5861

SUMMARY:

The purpose of this teleconference was early applicant engagement on DC, Chapter 3, "Design of Structures, Systems, Components and Equipment". The first section discuss was Section 3.9.2, on this section the staff discuss the need for the separate effects testing to benchmark the Comprehensive Vibration Analysis Program and ask for the schedule. Second section discussed was Section 3.9.4, the staff discuss the control rod drive mechanisms level of details, testing plans and schedule. Third section discuss was Section 3.9.6, the staff discuss the Emergency Core Cooling System and Containment Valve Design, Qualifications, and First-Of-A-Kind Testing. Lastly, the fourth section discuss was Section 3.6.2, the staff discuss the Impingement Shield Restraint testing and schedule also the break locations/exclusion area.

NuScale asked for requests for additional information to be submitted on each topic so a more detail response can be given.

No comments from members of the public were received.

Docket No. 52-048

Enclosures:

1. Agenda
2. Attendees

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

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**SUMMARY OF MAY 2, 2017, CATEGORY 1 PUBLIC TELECONFERENCE TO DISCUSS
NUSCALE POWER, LLC'S DESIGN CERTIFICATION APPLICATION CHAPTER 3,
SECTIONS 3.6.2, 3.9.2, 3.9.4, and 3.9.6 and**

May 2, 2017

10:30 a.m. – 12:00 p.m.

AGENDA

PUBLIC MEETING	
10:00-10:05	Introductions and identification of topics
10:05-11:15 am	Design review discussion
11:00-11:30 am	Questions from the public
12:45-2:30 pm	Proprietary Closed Session (if required)

LIST OF ATTENDEES

May 2, 2017

NAME	AFFILIATION
Nicholas Hansing	NRC
Yuken Wong	NRC
Yueh-li Li	NRC
Alexander Tsirigotis	NRC
Timothy Lupold	NRC
Thomas Scarbrough	NRC
Ryan Nolan	NRC
Clint Ashley	NRC
Jason Huang	NRC
Greg Cranston	NRC
Demetrius Murray	NuScale
Jenny Wike	NuScale
Marti Bryan	NuScale
Darrell Gardner	NuScale
Zackary Rao	NuScale
Steven Unikewicz	NuScale