

October 5, 2016

MEMORANDUM TO: Mark Tonacci, Chief  
Licensing Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

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

SUBJECT: SUMMARY OF DECEMBER 9, 2015, CLOSED MEETING WITH  
NUSCALE POWER, LLC, TO DISCUSS NUSCALE'S SMALL  
MODULAR JET IMPINGEMENT AND LEAK BEFORE BREAK  
METHODOLOGIES (TAC NO. RN6110)

On December 9, 2015, the U.S. Nuclear Regulatory Commission (NRC) staff and representatives from NuScale Power, LLC (NuScale) held a closed meeting at the NuScale Rockville office located at 11333 Woodglen Drive, Suite 205, Rockville, Maryland 20852.

The purpose of this meeting was for NuScale to provide an overview of piping design and a description of NuScale methodology for high energy line break), jet impingement methodology, pipe restraints / shields and leak-before break, and demonstrate how jet impingement will be mitigated at the source and describe the use of the restraint device to mitigate dynamic effects of pipe-whip and provide jet shielding.

The meeting agenda and meeting attendees are included in the Enclosure 1 and Enclosure 2. The meeting notice is available in the NRC Agencywide Documents Access and Management System (ADAMS) with Accession No. ML15337A224. The closed meeting presentation slides are available in ADAMS Accession No. ML15337A028. The publicly available presentation slides are available in ADAMS Accession No. ML15337A026. Please direct any inquiries to Gregory Cranston at (301) 415-0546, or email at Gregory.Cranston@nrc.gov.

CONTACT: Demetrius Murray, NRO/DNRL  
301-415-7646

M. Tonacci

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Project No.: PROJ0769

Enclosures:

1. Agenda
2. List of Attendees

cc w/encl: DC NuScale Power LLC Mailing ListServ

M. Tonacci

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GCranston, NRO

**ADAMS ACCESSION No.: ML15345A167**

**\*via email**

**NRO-001**

<b>OFFICE</b>	NRO/DNRL/LB1: PM	NRO/DNRL/LB1:LA	NRO/DNRL/LB1:PM
<b>NAME</b>	DMurray	MBrown*	GCranston*
<b>DATE</b>	10/05/2015	06/20/2015	10/05/2015

**OFFICIAL RECORD COPY**

NuScale Power, LLC Closed Meeting with the U.S. Nuclear Regulatory Commission

11333 Woodglen Dr, Suite 205

Rockville, MD 20852

December 9, 2015

12:30 pm – 4:15 pm

**AGENDA**

TIME	TOPIC
12:30 pm – 12:45 pm	Introduction
12:45 pm -1:45 pm	High-Energy line break
1:45 pm – 2:45 pm	Jet Methodology
2:45 pm – 3:00 pm	Break
3:00 pm – 3:45 pm	Jet Impingement
3:45 pm – 4:15 pm	Leak Before Break
4:15 pm – 4:30 pm	Meeting Summary

**ATTENDANCE LIST**

NAME	AFFILIATION	NAME	AFFILIATION
Demetrius Murray	NRC/NRO	Steven Mirsky	NuScale Power
Yueh-Li Li	NRC/NRO	Steve Pope	NuScale Power
Theresa Clark	NRC/NRO	Cyrus Afshar*	NuScale Power
Jason Huang	NRC/NRO	John Lynch*	NuScale Power
Eric Reichelt	NRC/NRO	Ron Wise*	NuScale Power
Matthew Mitchell	NRC/NRO	Carrie Fosaaen*	NuScale Power
		Steve Strout*	NuScale Power
		Hergin Xu*	NuScale Power
		Eu Rodriguez*	NuScale Power
		Tomos Liskai*	NuScale Power
		J.J. Arthur*	NuScale Power
		Chelsea Burnham*	NuScale Power
		Steve Unikewicz*	NuScale Power

\*Via videoconference line from NuScale office in Corvallis, OR