

June 22, 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 MAY 19, 2016, CLOSED MEETING WITH
NUSCALE POWER, REACTIVITY CONTROL DESIGN AND
LICENSING BASIS MEETING (TAC NO. RN6110)

On May 19, 2016, the staff from the U.S. Nuclear Regulatory Commission (NRC) 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 the pre-application meeting was to establish the reactivity control capability of the NuScale design; NuScale provided a proprietary presentation describing reactivity control systems for the NuScale design, including protection and safety system functions being supported. The presentation also covered the manner in which the NuScale design will meet the intent of General Design Criteria (GDC) 26, 27, and 28 and will be addressed in appropriate sections of the final safety analysis report (FSAR).

The NuScale design and heat removal capability was discussed as well as the core design and its similarities to the proven US 17x17 PWR technology. NRC staff and NuScale discussed the Secondary Reactivity Control Systems Safety Classification; Rapid Shutdown and maintaining a shutdown condition; FSAR Implementation; and the areas needed to meet GDC 26 and GDC 27.

The meeting agenda and attendee list is included in Enclosure 1 and Enclosure 2. Please direct any inquiries to Gregory Cranston at (301) 415-0546, or email at Gregory.Cranston@nrc.gov or Demetrius Murray (301) 415-7646, or email at Demetrius.Murray@nrc.gov.

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

M. Tonacci

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Project No.: PROJ0769

Enclosure:

1. Agenda
2. List of Attendees

cc w/encl: DC NuScale Power LLC ListServ

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AGENDA

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

11333 Woodglen Drive, Suite 205

Rockville, MD 20852

May 19, 2016

1:00 pm – 4:00 pm

Topic

Introduction

Reactivity Control Design and Licensing Basis

Meeting Summary

Time

1:00 pm – 1:15 pm

1:15 pm -3:45 pm

3:45 pm – 4:00 pm

ATTENDANCE LIST

NAME	AFFILIATION
Demetrius Murray	NRC
Gregory Cranston	NRC
Jeffrey Schmidt	NRC
Robert Weisman	NRC
Anthony Markley	NRC
John Segala	NRC
Ann Hove	NRC
Rebecca Karas	NRC
John Monninger	NRC
Tony Nakanishi	NRC
Timothy Drzewiecki	NRC
Steven Mirsky	NuScale
Steven Unikewicz	NuScale
Steven Pope	NuScale
Kent Welter	NuScale
Derick Botha	NuScale
Ross Snuggerud	NuScale (Corvallis)
Tim Tovar	NuScale (Corvallis)
Gary Becker	NuScale (Corvallis)
Akira Tokahiro	NuScale (Corvallis)
Guy Martin	NuScale (Corvallis)
Mark Peves	NuScale (Corvallis)
Grant Buster	NuScale (Corvallis)