

September 22, 2014

MEMORANDUM TO: Stewart Magruder, Branch Chief
Small Modular Reactor Licensing Branch
Division of Advanced Reactors and Rulemaking
Office of New Reactors

FROM: Gregory Cranston, Senior Project Manager
Small Modular Reactor Licensing Branch /RA/
Division of Advanced Reactors and Rulemaking
Office of New Reactors

SUBJECT: SUMMARY OF SEPTEMBER 16, 2014, CLOSED MEETING
WITH THE U.S. NUCLEAR REGULATORY COMMISSION
STAFF AND NUSCALE POWER™, LLC, TO DISCUSS
NUSCALE'S EMERGENCY PLANNING ZONE UPDATES AND
MULTI-MODULE TOPICS (TAC No. RN6110)

On September 16, 2014, the staff from the U.S. Nuclear Regulatory Commission (NRC) and representatives from NuScale Power, LLC (NuScale) held a one-day closed meeting at the NRC headquarters, located at Two White Flint North, 11545 Rockville Pike, Rockville, MD 20852. In this meeting, the NuScale personnel made two presentations to the NRC staff on NuScale's emergency planning zone (EPZ) and multi-module topics.

Regarding EPZ, NuScale staff updated the NRC staff on their plant safety and defense-in-depth characteristics and capabilities; described preliminary source term results to support the technical basis for EPZ size; discussed the emergency planning licensing strategy, timeline, and major milestones; discussed Nuclear Energy Institute (NEI) generic methodology; and, discussed the NuScale design-specific EPZ methodology.

Regarding multi-module topics, NuScale staff discussed their plans to address unique technical and regulatory issues associated with NuScale multi-module design in their design certification application. Specifically, they discussed: the use of guidance and policy documents related to multi-module topics; identification of multi-module topics for the NuScale design; and other topics needing additional interactions with NRC staff.

The meeting agenda and meeting attendees are included in Enclosure 1. The closed meeting notice is available in the NRC Agencywide Documents Access and Management System (ADAMS) with accession number ML14238A370. ADAMS is the system that provides text and image files of NRC's public documents and can be accessed at the NRC's Electronic Reading Room at <http://www.nrc.gov/reading-rm/adams.html>. If you do not have access to ADAMS or have problems accessing the documents located in ADAMS, contact the NRC Public Document Room staff at (800) 397 4209, (301) 415-4737, or pdr@nrc.gov.

The proprietary slides for the EPZ and Multi-module Topics presentations are available in ADAMS with accession numbers ML14251A262 and ML14245A088, respectively. A non-proprietary version of the NuScale presentations can be found at ML14245A085 and ML14245A086 for the EPZ and multi-module topics presentations, respectively. Please direct any inquiries to Gregory Cranston at (301) 415-0546, or email Gregory.Cranston@nrc.gov.

Project No.: PROJ0769

Enclosure:
Agendas and Lists of Attendees

cc w/encl: DC NuScale Power LLC Mailing ListServ

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Enclosure:

1. Agenda and Lists of Attendees

cc w/encl: DC NuScale Power LLC Mailing ListServ

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ADAMS ACCESSION No.:ML14261A152

NRC-001

OFFICE	PM:NRO/DARR/SMRLB	PM:NRO/DARR/SMRLB
NAME	Otabatabai	GCranston
DATE	09/19/2014	09/22/2014

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NuScale Power™, LLC, Closed Meeting with the U.S. Nuclear Regulatory Commission on the
NuScale Emergency Planning Zone (EPZ) and Multi-module Topics

Two White Flint North, Room T-2B3
September 16, 2014
8:30am – 4:30pm

AGENDA

Time	Topic
8:30 am – 8:45 am	Introductions/Logistics
8:45 am – 10:15 am	EPZ
10:15 am -10:30 am	Break
10:30 am – 12:00 pm	EPZ
12:00 pm – 1:00 pm	Break
1:00 pm – 2:30 pm	Multi-module Topics
2:30 pm – 2:45 pm	Break
2:45 pm – 4:30 pm	Multi-module Topics
4:30 pm	Meeting adjourn

ATTENDANCE LIST FOR EPZ PRESENTATION

NAME	AFFILIATION	NAME	AFFILIATION
Magruder, Stewart	NRC	Wang, Weidong	NRC
Cranston, Gregory	NRC	Beck, Scott	NuScale Power
Tabatabai, Omid	NRC	Raleigh, Jim	NuScale Power
Weber, Carl	NRC	Russell, Goff	NuScale Power
Hansing, Nicholas	NRC	McSweeny, Luke	NuScale Power
Costa, Arlon	NRC	Bristol, Sarah	NuScale Power
McCoppin, Mike	NRC	Price, John	NuScale Power
Swain, Patti	NRC	Harter, Jackson	NuScale Power
Hart, Michelle	NRC	Pohl, Dan	NuScale Power
Davis, Robert	NRC	Chalk, Daniel	Department of Energy
Le, Tuan	NRC	Halnon, Greg	First Energy
Som, Swagata	NRC	Galyean, Bill	NuScale Power
Smith, Todd	NRC	Giles, Mark	Dominion
Mrowca, Lynn	NRC	Stout, Dan	TVA
Ahmed, Sardar	NRC	Pekar-Carpenter, Katrina	GAO
Gallo, Jenny	NRC	Welter, Kent	NuScale Power
Bousquet, Earl	NRC	Atkinson, Dale	NuScale Power
Ashcraft, Joseph	NRC	Tovar, Tim	NuScale Power
Caruso, Mark	NRC	Mirsky, Steve	NuScale Power
Rodriguez, Ricardo	NRC	Leaver, Dave	NuScale Power
Barss, Dan	NRC	Afshar, Cyrus	NuScale Power
Schaperow, Jason	NRC	Fice, Kevin	NuScale Power

Scurader, Eric	NRC	Doyle, Jeremiah	NuScale Power
Schroer, Suzanne	NRC	Vedros, Kurt	NuScale Power
Chien, Nan	NRC	Wahlgren, Nathan	NuScale Power
		Mullin, Etienne	NuScale Power
		Wagner, Casey	NuScale Power
		Bergman, Tom	NuScale Power
ATTENDANCE LIST FOR MULTI-MODULE PRESENTATION			
NAME	AFFILIATION	NAME	AFFILIATION
Ashcraft, Joseph	NRC	Stout, Dan	TVA
Bousquet, Earl	NRC	Leaver, Dave	NuScale Power
Costa, Arlon	NRC	Pekar-Carpenter, Katrina	GAO
Caruso, Mark	NRC	Galyean, Bill	NuScale Power
Rodriguez, Ricardo	NRC	Chalk, Dan	Department of Energy
Barss, Dan	NRC	Afshar, Cyrus	NuScale Power
Swain, Patti	NRC	Bergman, Tom	NuScale Power
Weber, Carl	NRC	Welter, Kent	NuScale Power
Stubbs, Angelo	NRC	Atkinson, Dale	NuScale Power
Lien, Peter	NRC	Tovar, Tim	NuScale Power
Hart, Michelle	NRC	Mirsky, Steve	NuScale Power
Som, Swagata	NRC	Raleigh, Jim	NuScale Power
Tabatabai, Omid	NRC	Russell, Goff	NuScale Power
Cranston, Greg	NRC	Price, John	NuScale Power
Magruder, Stewart	NRC	Beck, Scott	NuScale Power
		McSweeney, Luke	NuScale Power
		Vedros, Kurt	NuScale Power
		Wahlgren, Nathan	NuScale Power