

June 14, 2016

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

FROM: Rocky D. Foster, Project Manager /RA/
Licensing Branch 1
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SUMMARY OF MAY 26, 2016, PUBLIC MEETING WITH NUSCALE
POWER, LLC TO DISCUSS MITIGATION OF BEYOND DESIGN
BASIS EVENTS (PROJ0769)

On May 26, 2016, a Category 1 open public meeting was held at the U.S. Nuclear Regulatory Commission (NRC) headquarters office, in Rockville, Maryland, between representatives of the NRC staff and NuScale Power, LLC (NuScale) to discuss topics related to NuScale's small modular reactor (SMR) mitigation of beyond design basis events (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15302A516).

The NRC staff and NuScale discussed topics regarding the overall NuScale SMR design, decay heat removal system, emergency core cooling system, and comments provided to the NRC in the NuScale letter LO-0216-21680, dated November 11, 2016, "NuScale Power, LLC Comments on the Draft Mitigation of Beyond-Design-Basis Events Rulemaking Package" (ADAMS Accession No. ML16048A103), regarding the proposed mitigation of beyond-design-basis event regulation, NRC, "Mitigation of Beyond-Design-Basis Events," *Federal Register*, Volume 80, No. 219, November 13, 2015, pp. 70610 – 70647.

In addition, the following topics on the contents of the proposed NuScale Design Control Document, Chapter 20, "Mitigation of Beyond-Design-Basis Events," Nuclear Energy Institute (NEI) 12-06, "Diverse and Flexible Coping Strategies (FLEX) Implementation Guide," Revision 1A, dated October 2015 (ADAMS Accession No. ML15279A426), core cooling strategy, spent fuel cooling strategy, loss of the ultimate heat sink and the loss of large area strategy were discussed during the meeting. This meeting summary documents the highlights of the discussion.

CONTACT: Rocky D. Foster, NRO/DNRL
(301) 415-5787

M. Tonacci

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The agenda and list of meeting attendees are included in Enclosures 1 and 2 respectively. The meeting notice is available in ADAMS with Accession No. ML15302A516. The presentation slides are available in ADAMS with Accession No. ML16148A059. Please direct any inquiries to Rocky D. Foster at (301) 415-5787, or email at rocky.foster@nrc.gov.

ADAMS is the system that provides text and image files of NRC public documents and can be accessed at the NRC 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.

Project No.: PROJ0769

Enclosures:

1. Meeting Agenda
2. Meeting Attendees

Distribution: DC NuScale Power LLC Listserv

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NAME	RFoster	MBrown*	GCranston (PChowdhury* for)
DATE	06/14/2016	06/14/2016	06/14/2016

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MEETING AGENDA

MAY 26, 2016

NUSCALE MITIGATION OF BEYOND DESIGN BASIS EVENTS

TIME	TOPIC	LEAD
1:00 pm – 1:10 pm	Introductions/Opening Statements	All
1:10 pm – 1:40 pm	NuScale's Response and Feedback on Proposed Regulation 10 CFR 50.155 and Guidance Documents	NuScale
1:40 pm – 2:20 pm	Overview of the Content in the Mitigation of Beyond Design Basis Events DCD Chapter 20	NuScale
2:20 pm – 2:30 pm	Break	All
2:30 pm – 3:00 pm	NuScale's proposed Strategies for Coping in an Extended Loss of All A/C Power/ Loss of the Ultimate Heat Sink	NuScale
3:00 pm – 3:30 pm	NuScale's Approach to Loss-of-Large Area Events	NuScale
3:30 pm – 3:50 pm	Public Comments/Questions	All
3:50 pm – 4:00 pm	Meeting Summary	NRC/NuScale

MEETING ATTENDEES

MAY 26, 2016

NUSCALE MITIGATION OF BEYOND DESIGN BASIS EVENTS

NAME	AFFILIATION
John Monniger	NRC
Antonio Dias	NRC
Raj Auluck	NRC
Dennis Andrukat	NRC
Clint Ashley	NRC
Jonathan Barr	NRC
Danny Chien	NRC
Bob Fitzpatrick	NRC
Andrea George	NRC
Vijay Goel	NRC
Raul Hernandez	NRC
Chang-Yang Li	NRC
Tim Lupold	NRC
Ryan Nolan	NRC
Ngola Otto	NRC
Donald Palmrose	NRC
Marie Pohida	NRC
Sheila Ray	NRC
Tim Reed	NRC
Thomas Scarbrough	NRC
Jim Strnisha	NRC
Angelo Stubbs	NRC
Robert Vettori	NRC
Weijun Wang	NRC
Robert Weisman	NRC
Dan Barss	NRC
Charles Murray	NRC
Kenneth Thomas	NRC
John Segala	NRC
Rocky Foster	NRC
Carl Markert	NuScale
Steve Mirsky	NuScale
Steve Unikewicz	NuScale
Chris Maxwell	NuScale
Tim Tovar	NuScale
Jennie Wike	NuScale
Gary Becker	NuScale (Telephone)
Kevin Dyette	NuScale (Telephone)
Leunis Van Eeden	NuScale (Telephone)

NAME	AFFILIATION
Guy Martin	NuScale (Telephone)
Kyra Perkins	NuScale (Telephone)
Jana Bergman	Curtiss-Wright
Alan Jelalian	Engineering Planning and Management
Gregory Richardson	Engineering Planning and Management
Dale Wuokko	Global Energy Management