

September 1, 2015

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 AUGUST 20, 2015, OPEN/CLOSED PUBLIC
MEETING WITH NUSCALE POWER, LLC TO DISCUSS TOPICS
RELATED TO EFFLUENT RELEASE METHODOLOGY

On August 20, 2015, a Category 1 open/closed public meeting was held at NuScale's Rockville, Maryland Office between representatives of the U.S. Nuclear Regulatory Commission (NRC) staff and NuScale Power, LLC, to discuss topics related to NuScale's small modular reactor effluent release methodology. In particular, to update the NRC staff on the methodology to be used in place of existing GALE computer code to estimate normal operation effluents that NuScale intends to include in the design certification application.

NuScale began the meeting with a brief background summary focusing on the small modular reactor design features, effluent release points, regulatory requirements, NUREG-0017, GALE code applicability and theories. NuScale's staff discussed the similarities and differences of the NuScale design to facilities that the NRC staff has previously reviewed and approved.

NuScale provided information on the development of the GALE code and the applicability issues related to the code. The discussion conveyed the differences between NuScale design and traditional Pressurized-Water Reactors (PWRs), hard-coded parameters in GALE that cannot be changed to reflect the NuScale design, the scaling of industry data in GALE is unsuitable for NuScale and that the environmental release pathways are nearly identical between the designs. NuScale's goal is to submit a Topical Report (TR) to the NRC staff for review by the end of October 2015. The approved TR would be made available for use by future applicants for a site using the NuScale small modular reactor design.

The meeting at that time was closed to the public with NuScale providing a proprietary level presentation of the work NuScale had completed in the development of the technical information to support a proposed TR. The discussion ended with an overall summary of the presentation and the path forward relative to the development and submittal of NuScale's TR.

CONTACT: Rocky D. Foster, NRO/DNRL/LB1
(301) 415-5787

The agenda and list of meeting attendees are included in Enclosures 1 and 2. The meeting notice is available in the Agencywide Documents Access and Management System (ADAMS) with Accession No. ML15209A977. The presentation slides are available in ADAMS with Accession No. ML15218A220. 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

Cc: NuScale Power LLC Listserv

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Cc: NuScale Power LLC Listserv

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DATE	09/01/2015	08/28/2015	09/01/2015

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MEETING AGENDA

AUGUST 20, 2015

TOPICS RELATED TO EFFLUENT RELEASE METHODOLOGY

TIME	TOPIC	LEAD
1:00 p.m. - 1:15 p.m.	Introductions	NuScale/NRC (Open)
1:15 p.m. - 1:30 p.m.	Background	NuScale (Open)
1:30 p.m. - 1:45 p.m.	Public Comments/Questions	All (Open)
1:45 p.m. - 2:00 p.m.	Break	All (Open)
2:00 p.m. - 2:15 p.m.	Methodology-Production and Release	NuScale (Closed)
2:15 p.m. - 2:45 p.m.	Fuel Failures	NuScale (Closed)
2:45 p.m. - 3:00 p.m.	Summary	NuScale (Closed)
3:00 p.m. - 3:30 p.m.	Path Forward and Questions	NuScale/NRC(Closed)

MEETING ATTENDEES

NAME	AFFILIATION
Zachary Gran	NRC
Jean-Claude Dehmel	NRC
Luis Benevides	NRC
Stephen Williams	NRC
Greg Cranston	NRC
Rocky Foster	NRC
Steve Mirsky	NuScale
Kent Welter	NuScale (Corvallis)
Steve Shapiro	NuScale (Corvallis)
Mark Shaver	NuScale (Corvallis)
John Price	NuScale (Corvallis)
Dan Chalk	DOE
Ken Geelhach	PNNL
Robert Montgomery	PNNL
Bruce McDowell	PNNL
Paul Colman	Engineering Planning and Management, Inc.
Jana Bergman	Curtiss-Wright
Ruth Thomas	Environmentalists Inc.