

November 5, 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 OCTOBER 28, 2015, CLOSED/PUBLIC MEETING
WITH NUSCALE POWER, LLC TO DISCUSS TOPICS RELATED TO
FUEL TESTING AND DESIGN (TAC# RN6110)

On October 28, 2015, a Category 1 public meeting, with a closed portion to discuss any proprietary issues, was held at the NuScale Rockville, MD office between representatives of the U.S. Nuclear Regulatory Commission (NRC) staff, NuScale Power, LLC and AREVA to discuss topics related to NuScale's small modular reactor (SMR) fuel testing and design. In particular, the discussion focused on NuScale's and AREVA's methodology to be used in addressing detailed fuel design data and damping.

NuScale began the meeting with a brief background on the information discussed during the meeting of September 9, 2015. The September 9, 2015, meeting summary is available in the Agencywide Documents Access and Management System (ADAMS) with Accession No. ML15261A694. The discussion continued on the topics of description of fuel design damping mechanisms, supporting damping documentation methodology, ratios and corrections of structural damping, in-water and zero water damping ratios, flow induced damping ratios, temperature corrections factors, non-irradiated and simulated irradiated modeling, and the comparisons of existing experimental datasets and analytical formulations. The NRC staff commented that NuScale should consider listing applicable references for data in future submittal of documentation. Presentation slides were not provided.

NuScale stated that the next step would be to submit for NRC review a topical report (TR) on fuel codes and methodology and indicated that the TR submittal would be during the first quarter of 2016. The meeting ended with an overall summary of the discussion with NuScale suggesting a tentative January or February 2016 date for a pre-application (TR) meeting.

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

M Tonacci

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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. ML15292A417. 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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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. ML15246A217. Please direct any inquiries to Rocky D. Foster at (301) 415-5787, or email at rocky.foster@nrc.gov.

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DATE	11/04/2015	11/04/2015	11/05/2015

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MEETING AGENDA

OCTOBER 28, 2015

TOPICS RELATED TO FUEL TESTING AND DESIGN

TIME	TOPIC	LEAD
9:00 a.m. - 9:15 a.m.	Welcome and Introductions	NRC/NuScale
9:15 a.m. - 10:15 a.m.	Fuel Seismic Damping Formulation Discussions	NuScale
10:15 a.m. - 10:30 a.m.	Break	NRC/NuScale
10:30 a.m. - 11:00 a.m.	Questions and Follow-on Discussions	NRC/NuScale

MEETING ATTENDEES

NAME	AFFILIATION
John McKirgan	NRC
Chris Van Wert	NRC
Jeff Schmidt	NRC
Rocky Foster	NRC
Steve Mirsky	NuScale
Steve Pope	NuScale
Steve Unikewicz	NuScale
Stephanie Seely	NuScale
Jeff Reed	AREVA
Isaac Mensach	AREVA
Ronda Pederson	AREVA
Brett Matthews	AREVA
Berenger D' Uston DeVillereglan	AREVA
Glen Thomas	AREVA
Kostas Karazis	AREVA
Larry Linh	NSP
Daniel Chalk	DOE

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(Revised 08/24/2015)

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