

October 28, 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 14, 2015, OPEN/CLOSED PUBLIC
MEETING WITH NUSCALE POWER, LLC TO DISCUSS TOPICS
RELATED TO ACCIDENT SOURCE TERM METHODOLOGY
(PROJ0769)

On October 14, 2015, a Category 1 open/closed public meeting was held at the NuScale Rockville, MD 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 (SMR) accident source term methodology. In particular, the discussion focused on NuScale's methodology to be used in addressing detailed design basis accident source term modeling.

NuScale began the meeting with a brief background summary focusing on the SMR reactor design features, basic plant parameters, reactor module normal operation, regulatory requirements, design basis accident source term events, offsite atmospheric dispersion, isotopic inventories and consideration of other radiological sources used in the methodology.

The NuScale staff discussed the similarities and differences of the software to be utilized, in particular, the use of ARCON96 versus PAVAN software for the atmospheric dispersion modeling for the offsite X/Q value calculations. NuScale's goal is to submit a topical report (TR) to the NRC staff for review with an estimated submittal date by the end of 2015. NuScale also stated that there is no direct connection of the Accident Source Term Methodology TR to the Emergency Planning Zone Sizing Methodology TR. If approved, the TR would be made available for use by future applicants for a site using the NuScale SMR 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 the proposed TR. The discussion ended with an overall summary of the presentation and questions on submittal of NuScale's TR.

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. ML15209A977. The presentation slides are available in ADAMS with Accession No. ML15279A100. 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

M Tonacci

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cc: NuScale Power LLC Listserv

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RFoster, NRO

GCranston, NRO

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***via email**

NRC002

OFFICE	NRO/DNRL/LB1:PM	NRO/DNRL/LB1:LA	NRO/DNRL/LB1:LPM
NAME	RFoster*	JMcLellan*	GCranston*
DATE	10/27/2015	10/28/2015	10/28/2015

OFFICIAL RECORD COPY

MEETING AGENDA

OCTOBER 14, 2015

TOPICS RELATED TO ACCIDENT SOURCE TERM METHODOLOGY

TIME	TOPIC	LEAD
12:30 p.m. - 12:45 p.m.	Welcome and introductions (Open)	All
12:45 p.m. - 1:15 p.m.	Meeting purpose and overview of NuScale plant design (Open)	NuScale
1:15 p.m. - 2:15 p.m.	Part 1 – Overview of topical report contents (Open)	NuScale
2:15 p.m. - 2:30 p.m.	Public comments and questions (Open)	All
2:30 p.m. – 4:15 p.m.	Part 2 – Detailed design basis source term modeling overview (Closed)	NuScale
4:15 p.m. - 4:30 p.m.	Summarize and questions (Closed)	NRC/NuScale

MEETING ATTENDEES

NAME	AFFILIATION
Mark Caruso	NRC
Kenneth Erwin	NRC
John Monninger	NRC
Michael Salay	NRC
Allen Fetter	NRC
Mark Tonacci	NRC
Michelle Hart	NRC
Kevin Quinlin	NRC
Jason White	NRC
Michael Mazaika	NRC
Brad Harvey	NRC
Mike McCoppin	NRC
Rocky Foster	NRC
Steve Unikewicz	NuScale
Steve Mirsky	NuScale
Cyrus Afshar	NuScale (Corvallis)
Kenny Anderson	NuScale (Corvallis)
Kent Welter	NuScale (Corvallis)
Russel Goff	NuScale (Corvallis)
Wendell Wagner	NuScale (Corvallis)
Daniel Chalk	DOE
Dimitri Lutchenkov	X-Energy, LLC
Jana Bergman	Curtiss-Wright
Marvin Lewis	Public