

September 13, 2016

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

FROM: Rani Franovich, Senior Project Manager **/RA/**
Licensing Branch 1
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: MEETING SUMMARY OF CLOSED MEETING WITH NUSCALE
POWER, LLC TO DISCUSS NUSCALE'S DRAFT TOPICAL
REPORT ON SUB-CHANNEL ANALYSIS METHODOLOGY
(TAC# RN6304)

On August 22, 2016, representatives of the U.S. Nuclear Regulatory Commission (NRC) staff and NuScale Power, LLC (NuScale) held a closed meeting at the NuScale office located at 11333 Woodglen Avenue, Suite 205, Rockville, Maryland, 20852. The purpose of the meeting was for the NRC staff to review the draft sub-channel analysis methodology topical report (TR), ask questions, seek clarification, and confirm its understanding of the technical content. The NRC staff also asked how other TRs involving critical heat flux and non-loss-of-coolant accident methods complement the information provided in the sub-channel analysis methodology TR, and how the TR will be applied to the Nuscale design certification application. The applicant plans to formally submit its application in December 2016.

During the course of the meeting, the NRC staff suggested that requests for additional information could be precluded or minimized if the TR is enhanced in the following areas:

- level of information regarding transients or conditions,
- ranges of applicability in summary tables,
- clarity of interfaces with other codes,
- missing references to internal or external tests and analyses for parameter values,
- clarity of basis and assumptions for rod bowing penalty, and
- clarity of grid loss coefficients, sensitivity analysis and hot spot location.

No additional items were identified by the NRC staff, and no requests were made by NuScale.

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Rani Franovich, NRO
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The list of meeting attendees is included in the Enclosure. The meeting notice and agenda are available in the NRC Agencywide Documents Access and Management System (ADAMS) under Accession No. ML16207A582. 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.

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Enclosure:
Meeting Attendees

cc: NuScale List Serv

M. Tonacci

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Enclosure:
Meeting Attendees

cc: NuScale List Serv

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|---------------|------------------|-------------------|------------------|------------------|
| NAME | RFranovich | MBrown | GCranston | MTonacci |
| DATE | 09/06/2016 | 09/06/2016 | 09/09/2016 | 09/13/2016 |

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**List of Meeting Attendees
August 22, 2016**

NuScale Power, LLC
11333 Woodglen Ave., Suite 205
Rockville, Maryland 20852

| Attendee Name | Affiliation |
|----------------------|--------------------|
| Kenny Anderson | NuScale |
| Rani Franovich | NRC |
| Syed Haider | NRC |
| Joseph Kelly | NRC |
| Steven Pope | NuScale |
| Ruwan Ratnayake | NuScale |
| Jim Tomkins | NuScale |
| Wendell Wagner | NuScale |
| Jennie Wike | NuScale |

Enclosure