

April 19, 2016

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

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

SUBJECT: SUMMARY OF MARCH 24, 2016, CLOSED MEETING WITH  
NUSCALE POWER, LLC, TO DISCUSS NUSCALE'S HIGHLY-  
INTEGRATED PROTECTION SYSTEM PLATFORM DESIGN

In a December 23, 2015, letter, NuScale submitted Topical Report (TR) 1015-18653, "Highly Integrated Protection System Platform (HIPS)," Rev 0. (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15363A114) for the U.S. Nuclear Regulatory Commission (NRC) staff's review.

On March 24, 2016, representatives of the NRC staff and NuScale Power, LLC (NuScale), held a closed meeting at NuScale office located at 11333 Woodglen Ave., Suite 205, Rockville, MD 20852, to discuss key design principles of the NuScale's HIPS platform. NuScale provided a detailed description of the HIPS system and responded to the NRC staff's questions.

After NuScale's presentation on HIPS Platform design, the NRC staff discussed its preliminary assessment of the information contained in the TR and the need for additional information, specifically, staff's outstanding questions related to the regulatory compliance of HIPS platform with the Institute of Electrical and Electronics Engineers 603-1991 standard and conformance to applicable regulatory guidance documents. The NRC staff and NuScale agreed to continue the discussions related to compliance issues on a separate closed meeting, which has now been scheduled for April 20, 2016.

The meeting agenda and the list of meeting attendees are included in Enclosures 1 and 2, respectively. The meeting notice is available in ADAMS under Accession No. ML16068A227. Please direct any inquiries to Omid Tabatabai, at (301) 415-6616, or via email to [omid.tabatabai@nrc.gov](mailto:omid.tabatabai@nrc.gov).

M. Tonacci

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Project No.: PROJ0769

Enclosures:

1. Meeting Agenda
2. Attendees

cc: NuScale DC Listserv

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cc: NuScale DC Listserv

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**ADAMS ACCESSION No.: ML16105A364 \*via email**

**NRC-001**

<b>OFFICE</b>	PM:NRO/DNRL/LB1	LA:NRO/DNRL/LB1	PM:NRO/DNRL/LB1
<b>NAME</b>	OTabatabai	MBrown	GCranston
<b>DATE</b>	4/14/2016	4/18/2016	4/19/2016

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## Meeting Agenda

<b>Time</b>	<b>Topic</b>
10:30 am – 10:45 am	Introductions
10:45 am – 12:00 pm	NuScale Power, LLC (NuScale) presentation on Highly Integrated Protection System Platform (HIPS) platform design
12:00 pm – 1:00 pm	Lunch
1:00 pm – 2:15 pm	NuScale presentation on HIPS platform design (Cont'd)
2:15 pm – 2:30 pm	Break
2:30 pm – 3:30 pm	Staff's preliminary assessment, potential need for additional information, and feedback on NuScale Topical Report
3:30 pm – 4:00 pm	Summary and Conclusions

## List of attendees

Greg Cranston, NRC  
Joseph Ashcraft, NRC  
Dinesh Taneja, NRC  
Luis Betancourt, NRC  
Demetrius Murray, NRC  
Dawn Mathews Kalathiveetil, NRC  
Tung Truong, NRC  
Derek Halverson, NRC  
Pong Chung, NRC  
Dan Warner, NRC  
Ken Mott, NRC  
Steve Mirsky, NuScale  
Steven Unikewicz, NuScale  
Gregg Clarkson, NuScale (Rock Creek Innovations)  
Scott Patterson, NuScale (Rock Creek Innovations)  
Steven Pope, NuScale  
Brian Arnholt, NuScale  
Rufino Ayala, NuScale (Rock Creek Innovations)  
Jason Pottorf, NuScale  
Mark Burzynski, NuScale (Rolls-Royce)  
Duane Filchner, NuScale  
Jennie Wike, NuScale  
Guy Martin, NuScale  
Ryan McGee, NuScale