

March 21, 2016

Mr. Thomas Bergman  
Vice President, Regulatory Affairs  
NuScale Power, LLC  
1100 Circle Boulevard, Suite 200  
Corvallis, OR 97330

SUBJECT: ACCEPTANCE LETTER FOR THE REVIEW OF TOPICAL REPORT  
TR-0915-17772, "METHODOLOGY FOR ESTABLISHING THE TECHNICAL  
BASIS FOR PLUME EXPOSURE EMERGENCY PLANNING ZONES AT  
NUSCALE SMALL MODULAR REACTOR PLANT SITES," REVISION 0  
(PROJ0769)

Dear Mr. Bergman:

In a December 22, 2015, letter, NuScale Power, LLC, (NuScale) submitted Topical Report (TR) 0915-17772, "Methodology for Establishing the Technical Basis for Plume Exposure Emergency Planning Zones at NuScale Small Modular Reactor Plant Sites," Revision 0 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15356A842) for the U.S. Nuclear Regulatory Commission (NRC) staff's review. By way of this TR, NuScale is seeking NRC staff's: (1) approval of the NuScale design-specific emergency planning zone (EPZ) sizing methodology, (2) approval that the NuScale proposed plume exposure EPZ methodology in the TR, when supported by design-specific information and appropriately implemented by the combined license (COL) applicant, is an acceptable approach for justifying the EPZ size for the NuScale design, and (3) identification of any issues related to the NuScale EPZ technical basis that are to be resolved prior to or as part of the COL review process.

The purpose of this letter is to inform you that the NRC staff has completed an acceptance review of your TR and concluded that it provides sufficient technical information to enable the NRC staff to conduct a detailed technical review. If the NRC staff needs additional information to complete its review, you will receive formal requests for additional information by separate correspondence. It is understood that if the NRC staff approves the TR, NuScale's intent is to provide the sizing methodology and criteria that can be adopted and used by developers and operators of the NuScale small modular reactor for establishing the design-specific and site-specific plume exposure emergency planning zones.

The NRC staff estimates that the detailed review of your TR requires 2,540 staff-hours, including project management time, for which NuScale will be billed at the current NRC hourly billable rate for the NRC staff's time to conduct a detailed review. This estimate is based on requests for additional information (RAI), with a 60-day NuScale response time, three meetings between the NRC and NuScale staff(s) to discuss the TR review, one audit, and one presentation to the NRC's Advisory Committee on Reactor Safeguards. This estimate could change as the NRC staff conducts the detailed review or if additional rounds of RAIs are needed.

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The NRC staff plans to begin its detailed review on March 14, 2016, and issue the draft safety evaluation report (SER) for the TR by the end of April 2017 and issue the final SER for the TR by the end of October 2017. On March 7, 2016, in an e-mail from Ms. Jennie Wike, Licensing Supervisor, NuScale agreed to the NRC staff's cost estimates and proposed review schedule.

If you have any questions regarding this matter, please contact Mr. Rocky D. Foster, Project Manager, at (301) 415-5787 or rocky.foster@nrc.gov.

Sincerely,  
**/RA/**

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

Project No.: PROJ0769

cc: NuScale DC ListServ

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Sincerely,  
**/RA/**

Mark Tonacci, Chief  
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Project No.: PROJ0769

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**ADAMS Accession No.: ML16067A090**

**\*via email**

**NRO-002**

<b>OFFICE</b>	DNRL/LB1:PM*	DNRL/LB1:LA*	DNRL/LB1:PM*	DNRL/LB1:BC
<b>NAME</b>	RFoster	MBrown	GCranston	MTonacci
<b>DATE</b>	03/07/2016	03/08/2016	03/09/2016	03/21/2016

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