

May 16, 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-0915-17565, "ACCIDENT SOURCE TERM METHODOLOGY," REVISION 1
(PROJ0769)

Dear Mr. Bergman:

In an April 8, 2016, letter, NuScale Power, LLC, (NuScale) submitted Topical Report (TR) 0915-17565, "Accident Source Term," Revision 1 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16099A394) for the U.S. Nuclear Regulatory Commission (NRC) staff's review. By way of this TR, NuScale is seeking NRC staff's approval of the assumptions, methodologies and application of computer codes presented in the TR for assessing the source terms and radiological consequences of design basis accidents and is technically acceptable and consistent with current regulations.

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 (RAI) by separate correspondence. It is understood that if the NRC staff approves the TR, NuScale's intent is to use this accident source term methodology in the NuScale design certification application.

The NRC staff estimates that the detailed review of your TR requires 1,460 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 RAIs, with a 60-day NuScale response time, two 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 June 1, 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 April 28, 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

T. Bergman

- 2 -

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ADAMS Accession No.: ML16123A292 *via email NRO-002

OFFICE	DNRL/LB1:PM*	DNRL/LB1:LA*	DEIA/MCB:BC*	DSRA/SPRA:BC*
NAME	RFoster	MBrown	MMitchell	LMrowca
DATE	05/03/2016	05/03/2016	05/03/2016	05/09/2016
OFFICE	DSEA/RHM1:BC*	DSEA/RPAC:BC*	DNRL/LB1:PM*	DNRL/LB1:BC
NAME	CCook	LBurkhart	GCranston	MTonacci (MDelligatti for)
DATE	05/05/2016	05/03/2016	05/10/2016	05/16/2016

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