

March 20, 2017

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-0915-17564, "SUBCHANNEL ANALYSIS METHODOLOGY," REVISION 0 (PROJ0769)

Dear Mr. Bergman:

By letter dated October 31, 2016, (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16305A444), NuScale Power, LLC (NuScale), submitted Topical Report (TR) TR-0915-17564, Revision 0, "Subchannel Analysis Methodology," to the U.S. Nuclear Regulatory Commission (NRC) staff for review. In the October 31, 2016, letter, you indicated that the TR describes NuScale's methodology for using the previously NRC-approved VIPRE-01 computer code for NuScale's design certification application and design analysis work involving steady-state and transient subchannel analyses and fuel temperature calculations. Furthermore, you also requested the NRC staff to review and approve this methodology. In addition, on March 9, 2017, at the request of NRC staff, NuScale submitted supplemental information related to this TR (Accession No. ML17068A143).

The purpose of this letter is to inform you that TR-0915-17564 provides sufficient technical information for the NRC staff to conduct a detailed technical review. If the NRC staff needs additional information to complete its review, it will issue formal requests for additional information (RAI) by separate correspondence.

Based on the receipt of the above mentioned supplemental materials, the NRC staff expects to issue its RAIs by August 14, 2017. If NuScale satisfactorily responds to the RAIs and resolves issues identified during the review process in a timely manner, the NRC staff expects to issue its advanced safety evaluation report by April 25, 2018. The NRC staff estimates that the review will require approximately 1200 hours including technical staff, project management, and contractor support time.

Section 170.21 of Title 10 of the *Code of Federal Regulations* requires that TRs are subject to fees based on the full cost of the review. You did not request a fee waiver; therefore, NRC staff hours will be billed accordingly.

If you have any questions, please contact the Project Manager, Bruce Bovol, at (301) 415-6715 or Bruce.Bovol@nrc.gov.

Sincerely,

/RA/

Samuel Lee, Chief
Licensing Branch 1
Division of New Reactor Licensing
Office of New Reactors

Project No.: PROJ0769

cc: NuScale DC ListServ

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