

January 28, 2013

Edward G. Wallace
Senior Vice President, Regulatory Affairs
NuScale Power, LLC.
Suite 10310
1000 NE Circle Blvd
Corvallis, Oregon 97330

SUBJECT: ACCEPTANCE FOR REVIEW OF NUSCALE TOPICAL REPORT NP-TR-1010-867-P, REVISION 2, "THE DYNAMICAL SYSTEM SCALING METHODOLOGY" FOR DESIGN CERTIFICATION OF THE NUSCALE POWER REACTOR (TAC NO. RN6203)

Dear Mr. Wallace:

By letter dated August 20, 2012, NuScale submitted for U.S. Nuclear Regulatory Commission (NRC) staff review Topical Report NP-TR-1010-867-P, Revision 2, "The Dynamical System Scaling (DSS) Methodology, Rev. 2, August 2012." The NRC staff has performed an acceptance review of the "DSS Methodology" and found that the material presented provides the technical information in sufficient detail to enable the staff to complete a detailed technical review. The NRC staff expects to issue its Request for Additional Information (RAI), if necessary, by December 2013 and issue its draft safety evaluation by December 2015. A portion of the basis for completion of the evaluation on this schedule is NuScale's response to the RAI within 30 days of your receipt. The NRC staff estimates that the review will require approximately 4,000 staff hours including internal and external subject matter experts.

Uncertainties in the cost estimate and schedule for the review include:

- First-of-a-kind application of the proprietary scaling methodology to nuclear model use
- Application of the new scaling methodology to specific test facilities
- Need for specialized contractor review support

Section 170.21 of Title 10 of the *Code of Federal Regulations* requires that Topical Reports be subject to fees based on the full cost of the review.

E. Wallace

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If you have questions regarding this matter, please contact Samina Shaikh at (301) 415-6763 or Greg Cranston at (301) 415-0546.

Sincerely,

/RA/

Anna H. Bradford, Branch Chief
Small Modular Reactor Licensing Branch 2
Division of Advanced Reactors &
Rulemaking
Office of New Reactors

Project No.: PROJ0769

E. Wallace

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Sincerely,

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