

August 7, 2012

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
One White Flint North  
11555 Rockville Pike  
Rockville, MD 20852-2738

**Subject:** NuScale Power, LLC submittal of NuScale Quality Assurance Program Description (QAPD), Revision 1, for Design Certification of the NuScale Power Reactor - Nonproprietary (NRC Project No. 0769)

**References:**

1. Wallace, Edward G., NuScale Power, Inc., letter to the U.S. Nuclear Regulatory Commission, October 29, 2010, "NuScale Power Submittal of NuScale Quality Assurance Program Description (QAPD) for Design Certification of the NuScale Power Reactor - Non-Proprietary (NRC Project No. 0769)," NP-LO-1010-142.
2. Malave, Yanelly (NRC), "SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO.1 FOR THE REVIEW OF NUSCALE TOPICAL REPORT: QUALITY ASSURANCE PROGRAM DESCRIPTION FOR DESIGN CERTIFICATION OF THE NUSCALE POWER REACTOR (TAC NO. RN6086)," email message to Derick Botha (NuScale Power), February 9, 2011.
3. Wallace, Edward G., NuScale Power, Inc., letter to the U.S. Nuclear Regulatory Commission, March 7, 2011, "Request for Additional Information No. 5452 (NRC Project 0769)," NP-LO-0311-179.
4. Cranston, Gregory V., U.S. Nuclear Regulatory Commission, letter to Edward G. Wallace, NuScale Power, Inc., July 25, 2011, "REQUEST FOR ADDITIONAL INFORMATION LETTER NO.2 THE REVIEW OF NUSCALE TOPICAL REPORT: QUALITY ASSURANCE PROGRAM DESCRIPTION FOR DESIGN CERTIFICATION OF THE NUSCALE POWER REACTOR (TAC NO. RN6086)," NP-LI-0811-108.
5. Wallace, Edward G., NuScale Power, Inc., letter to the U.S. Nuclear Regulatory Commission, September 16, 2011, "Request for Additional Information No. 5892 (NRC Project 0769)," NP-LO-0911-210.
6. Wallace, Edward G., NuScale Power, LLC, letter to the U.S. Nuclear Regulatory Commission, December 15, 2011, "NuScale Power Submittal of NuScale Quality Assurance Program Description (QAPD) Revision 1 for Design Certification of the NuScale Power Reactor - Non-Proprietary (NRC Project No. 0769)," NP-LO-1211-236.
7. Magruder, Steward L., U.S. Nuclear Regulatory Commission, letter to Edward G. Wallace, NuScale Power, LLC, February 9, 2012, "DRAFT SAFETY EVALUATION REGARDING THE REVIEW OF NUSCALE TOPICAL REPORT NP-TR-1010-859-NP, REVISION 1, "QUALITY ASSURANCE PROGRAM DESCRIPTION FOR DESIGN CERTIFICATION OF THE NUSCALE POWER REACTOR" (TAC NO. RX6242)," NP-LI-0212-148.
8. Wallace, Edward G., NuScale Power, LLC, letter to the U.S. Nuclear Regulatory Commission, February 21, 2012, "NuScale Power, LLC (NuScale) comments on the NRC Staff's Draft Safety Evaluation Report for Topical Report NP-TR-1010-859-NP, Revision 1, "Quality Assurance Program Description for the Design Certification of the NuScale Power Reactor," NP-LO-0212-277.

9. Mayfield, Michael E., U.S. Nuclear Regulatory Commission, letter to Edward G. Wallace, NuScale Power, LLC, May 8, 2012, "FINAL SAFETY EVALUATION REGARDING THE REVIEW OF NUSCALE TOPICAL REPORT NP-TR-1010-859-NP, REVISION 1, "QUALITY ASSURANCE PROGRAM DESCRIPTION FOR DESIGN CERTIFICATION OF THE NUSCALE POWER REACTOR" (TAC NO. RX6242)."

Topical Report (TR) NP-TR-1010-859-NP, Revision 0, "Quality Assurance Program Description for Design Certification of the NuScale Power Reactor," was submitted for NRC review and approval by NuScale Power on October 29, 2010 (Reference 1). Requests for additional information (RAIs) on the subject TR were sent to NuScale by the NRC transmittal dated February 9, 2011 (References 2). NuScale responses to these RAIs were provided by a letter dated March 7, 2011 (Reference 3). Additional RAIs on the subject TR were sent to NuScale by the NRC transmittal dated July 25, 2011 (Reference 4). NuScale responses to these additional RAIs were provided by a letter dated September 16, 2011 (Reference 5).

Revisions 1 to TR NP-TR-1010-859-NP was sent to the NRC by letters dated December 15, 2011, (References 6). By letter dated February 9, 2012, an NRC draft safety evaluation (SE) regarding approval of NP-TR-1010-859-NP, Revision 1, was provided to NuScale to identify any proprietary information and to clarify any factual inaccuracies (Reference 7). By letter dated February 21, 2011 (Reference 8), NuScale identified a document referenced inaccurately in the draft SE. NRC staff has corrected the document referenced in the final SE enclosed with this letter.

By letter dated May 8, 2012 (Reference 9), the NRC issued a final safety evaluation (SE) documenting the NRC staff conclusion that Revision 1 to TR NP-TR-1010-859-NP adequately describes the NuScale Power QAP for the design certification of the NuScale Power reactor, and that the subject QAP complies with applicable NRC regulations and industry standards.

Reference 9 requested that NuScale publish the accepted version of TR NP-TR-1010-859-NP within three months of receipt thereof. Accordingly, the enclosure to this letter provides NuScale Power NP-TR-1010-859-NP-A, Revision 1, "Quality Assurance Program for the Design Certification of the NuScale Power Reactor." This approved version of the NuScale QAP TR now incorporates the May 8, 2012 NRC letter and the enclosed final SE after the title page and also provides historical review information in the form of letters to and from the NRC, including the NRC RAIs and NuScale responses.

If you have any questions, please direct them to Edward Wallace at (541) 207-3931 or at [ewallace@nuscalepower.com](mailto:ewallace@nuscalepower.com).

Sincerely,



Edward G. Wallace  
Vice President, Regulatory Affairs  
NuScale Power, Inc.

cc: Michael Mayfield, NRC, TWFN-6 E04  
Stuart Magruder, NRC, TWFN-6 E04  
Greg Cranston, NRC, OWFN-10-A1

Enclosure: NP-TR-1010-859-NP-A Rev 1 QA Program Description for Design Certification of NuScale Power Reactor.pdf 8,985,599 byte size