

September 18, 2013

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 the “NuScale Power Plant Design for ATWS and 10 CFR 50.62 Regulatory Compliance,” Revision 0 (NRC Project No. 0769)

NuScale Power, LLC (NuScale) hereby submits a white paper entitled the “NuScale Power Plant Design for ATWS and 10 CFR 50.62 Regulatory Compliance” (NP-ER-0000-2196). The ATWS requirements were developed for light water reactors in operation at the time of the 10 CFR 50.62 rulemaking. The NuScale reactor module design and its response to ATWS events differ from the light water reactor plants that the rule addresses.

This white paper describes the NuScale plant design for ATWS events and how it satisfies the underlying purpose of the ATWS rule. This material is relevant to the development of DSRS sections 7.1 and 15.8. NuScale requests that NRC review NP-ER-0000-2196 within 60 days in order to provide comments to NuScale. NuScale will work with the NRC project manager to schedule a time to discuss NRC comments.

Enclosure 1 is the proprietary version of this report. Enclosure 2 is the nonproprietary version of the report. NuScale requests that the proprietary version be withheld from public disclosure in accordance with the requirements of 10 CFR § 2.390. The enclosed affidavit (Enclosure 3) supports this request.

Please feel free to contact me at 541-360-0500 or at ewallace@nuscalepower.com if you have any questions.

Sincerely,



Edward G. Wallace
Vice President, Regulatory Affairs

Enclosure 1: NuScale Power Plant Design for ATWS and 10 CFR 50.62 Regulatory Compliance, Revision 0, NP-ER-0000-2196-P, proprietary version
Enclosure 2: NuScale Power Plant Design for ATWS and 10 CFR 50.62 Regulatory Compliance, Revision 0, NP-ER-0000-2196-NP, nonproprietary version
Enclosure 3: Affidavit, NP-AF-0913-4669

Distribution: Michael Mayfield, NRC, TWFN-6 E04
Anna Bradford, NRC, TWFN-9 F27
Greg Cranston, NRC, TWFN-9 F27