



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

February 9, 2021

MEMORANDUM TO: Scott W. Moore, Executive Director
Advisory Committee on Reactor Safeguards

FROM: Anna H. Bradford, Director **/RA/ Bob Caldwell for**
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

SUBJECT: NUSCALE POWER, LLC, SAFETY EVALUATION REPORT FOR
LICENSING TOPICAL REPORT: TR-0420 69456, REVISION 1,
"NUSCALE CONTROL ROOM STAFFING PLAN"

By letter dated June 11, 2020 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML20163A556), NuScale Power, LLC (NuScale), submitted licensing Topical Report (TR)-0420-69456, Revision 0, "NuScale Control Room Staffing Plan." By letter dated December 17, 2020 (ADAMS Accession No. ML20352A473), NuScale submitted Revision 1 of TR-0420-69456 (hereafter referred to as the TR). NuScale requested U.S. Nuclear Regulatory Commission (NRC) approval of the control room staffing plan as described in the TR, which is a minimum control room crew of three licensed operators and no shift technical advisor (STA). The TR is designed to be used by a NuScale facility licensee or license applicant to support exemption requests from the staffing requirements in Title 10 of the *Code of Federal Regulations* (10 CFR) 50.54(m) or other alternative control room staffing regulations, such as those included in the proposed NuScale design certification rule (i.e., proposed Appendix G to Part 52), and from the requirement in 10 CFR 50.120(b)(2)(iii) to provide training and qualifications for the STA.

Based on its review of NuScale's TR, the NRC staff prepared a Topical Report Safety Evaluation (TRSE) (ADAMS Accession No. ML21007A270). The TRSE ADAMS accession number is being provided to support a meeting of the subcommittee of the Advisory Committee on Reactor Safeguards (ACRS) on March 16, 2021.

The NRC staff requests that the ACRS withhold the proprietary version of the TRSE from public disclosure.

Docket No. 99902078

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ADAMS Accession Nos.:**PKG: ML21012A361****MEMO: ML21037A000****SER (Public): ML21012A363,****SER (Non-public): ML21007A270*****via email****NRR-043**

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