



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

November 6, 2023

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

FROM: Brian W. Smith, Director */RA/*
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

SUBJECT: NUSCALE POWER, LLC, SAFETY EVALUATION REPORT FOR
LICENSING TOPICAL REPORT: TR-108601-P, REVISION 4,
"STATISTICAL SUBCHANNEL ANALYSIS METHODOLOGY,
SUPPLEMENT 1 TO TR-0915-17564-P-A, REVISION 2,
SUBCHANNEL ANALYSIS METHODOLOGY"

By letter dated December 30, 2021 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML21364A133), NuScale Power, LLC (NuScale), submitted licensing Topical Report (TR)-108601-P, Revision 0, "Statistical Subchannel Analysis Methodology, Supplement 1 to TR-0915-17564-P-A, Revision 2." By letter dated November 6, 2023 (ML23310A122), NuScale submitted Revision 4 of TR-108601-P (hereafter referred to as the TR). NuScale requested U.S. Nuclear Regulatory Commission (NRC) approval of the subchannel methodology for calculating margin to fuel thermal limits.

Based on its review of NuScale's TR, the NRC staff prepared a safety evaluation (SE) (ML23269A087, Proprietary and ML23277A007, Nonproprietary). This SE is being provided to support a meeting of the subcommittee of the Advisory Committee on Reactor Safeguards (ACRS) on January 23, 2024.

The NRC staff concludes that the non-proprietary version of the SE does not contain any information exempt from public disclosure. However, the NRC will withhold the nonproprietary SE from public disclosure for ten business days to allow NuScale the opportunity to verify the staff's conclusion that the SE contains no such exempt information. Therefore, the NRC staff requests that the ACRS withhold the nonproprietary version of SE from public disclosure until the information has been released publicly in ADAMS.

Docket No. 99902078

CONTACT: Stacy Joseph, NRR/DNRL
301-415-3256

SUBJECT: NUSCALE POWER, LLC, SAFETY EVALUATION REPORT FOR LICENSING
 TOPICAL REPORT: TR-108601-P, REVISION 4, "STATISTICAL SUBCHANNEL
 ANALYSIS METHODOLOGY, SUPPLEMENT 1 TO TR-0915-17564-P-A,
 REVISION 2, SUBCHANNEL ANALYSIS METHODOLOGY"
 DATED: NOVEMBER 6, 2023

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***via email**

NRR-043

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