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

December 21, 2022

Ms. Carrie A. Fosaaen
Director, Regulatory Affairs
NuScale Power, LLC
1100 Circle Boulevard, Suite 200
Corvallis, OR 97330

SUBJECT: NUSCALE TOPICAL REPORT "STATISTICAL SUBCHANNEL ANALYSIS METHODOLOGY, SUPPLEMENT 1 TO TR-0915-17564-P-A, REVISION 2, SUBCHANNEL ANALYSIS METHODOLOGY," TR-108601, REVISION 2, REVIEW SCHEDULE LETTER UPDATE

Dear Ms. Fosaaen:

By letter dated December 30, 2021, NuScale Power, LLC, submitted Topical Report "Statistical Subchannel Analysis Methodology, Supplement 1 to TR-0915-17564-P-A, Revision 2, Subchannel Analysis Methodology," TR-108601, Revision 0 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML21364A132) for acceptance review. Additional supplemental data tables were also sent via compact disc and letter dated February 10, 2022 (ADAMS Accession No. ML22041A448).

On February 24, 2022, NRC staff requested supplemental information (ADAMS Accession No. ML22053A142) be submitted in order to complete the acceptance review. On April 25, 2022, NuScale submitted a response to this request with an update to: "Statistical Subchannel Analysis Methodology, Supplement 1 to TR-0915-17564-P-A, Revision 2," TR-108601, Revision 1 (ADAMS Accession No. ML22115A221) which updated the revision of the topical report with the requested supplemental information. On May 4, 2022, the staff completed its acceptance review and began the detailed review via NRC Form 898 (ADAMS Accession No. ML22115A191) and committed to complete the Advanced Safety Evaluation Report by January 23, 2023, with approximately 825 hours.

On Tuesday, May 24, 2022, during a status call, the staff was informed by NuScale that they planned to provide a second revision to the Subchannel TR that would address earlier NRC staff feedback and would include applicable updates and corresponding assessments. In order to understand the details and bases for the information provided in the TR supplement, staff opened an audit (ADAMS Accession No. ML22168A086) on July 13, 2022.

By letter dated December 13, 2022, NuScale submitted "Statistical Subchannel Analysis Methodology, Supplement 1 to TR-0915-17564-P-A, Revision 2," TR-108601, Revision 2. This update provides sufficient information to address the staff's prior request for supplemental information.

Taking into account the submittal date of this new information, as well as the substantially revised and updated information associated with the existing TR's content, the staff has developed a revised schedule in order to complete the associated review. This new schedule calls for the staff to provide NuScale with the advanced safety evaluation with no open items for

proprietary material review by June 16, 2023, in lieu of the originally proposed January 23, 2023. In addition, the review will require an additional 250 staff-hours, including project management time (1,075 total hours).

If you have any questions regarding this matter, please contact Mr. Bruce Bavol, Project Manager, at (301) 415-6715 or Bruce.Bavol@nrc.gov.

Sincerely,

/RA/

Brian W. Smith, Director
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

Docket No.: 99902078

cc: NuScale DC ListServ

SUBJECT: NUSCALE TOPICAL REPORT-108601, REVISION 2, "STATISTICAL SUBCHANNEL ANALYSIS METHODOLOGY" REVIEW SCHEDULE LETTER UPDATE DATED: DECEMBER 21, 2022

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ADAMS Accession No: ML22350A029 ***via email** **NRR-106**

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