



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

February 2, 2023

Mr. Mark Shaver
Director, Regulatory Affairs
NuScale Power, LLC
1100 Circle Boulevard, Suite 200
Corvallis, OR 97330

SUBJECT: NUSCALE TOPICAL REPORT, TR-0716-50350, REVISION 2, "ROD EJECTION ACCIDENT METHODOLOGY," REVIEW SCHEDULE LETTER UPDATE

Dear Mr. Shaver:

By letter dated December 17, 2021, NuScale Power, LLC, submitted Topical Report (TR)-0716-50350, Revision 2, "Rod Ejection Accident Methodology," (Agencywide Documents Access and Management System (ADAMS) Accession No. ML21351A399) for review and approval. Additional supplemental data tables were submitted via compact disc and letter dated February 10, 2022, (ML22041A450).

On February 17, 2022, the staff notified NuScale that it has completed its acceptance review and would begin the detailed review (ML22047A268). For that submittal, the staff committed to issue to NuScale the advance safety evaluation for proprietary material review by February 26, 2023 (i.e., approximately 13 months). The staff also notified NuScale that it estimated approximately 1,100 staff-hours including project management time for the review.

On Tuesday, May 24, 2022, during a status call, the staff was informed by NuScale that they planned to provide a new revision to the Subchannel TR that would include updates and corresponding assessments that have resulted from NRC staff feedback. By letter dated December 13, 2022 (ML22347A314), NuScale submitted "Statistical Subchannel Analysis Methodology, Supplement 1 to TR-0915-17564-P-A, Revision 2," TR-108601, Revision 2.

The staff has evaluated this new information and determined substantive changes were made as revisions to the evaluation model in the Subchannel TR, which forms part of the basis for portions of the Rod Ejection TR methodology. As such, a revised schedule was developed that calls for the staff to provide NuScale with the advanced safety evaluation with no open items for proprietary material review by July 14, 2023 (approximately 4.5 additional months). In addition, the review will require an additional 100 staff-hours, including project management time (1,200 total hours).

M. Shaver

2

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, TR-0716-50350, REVISION 2, "ROD EJECTION ACCIDENT METHODOLOGY," REVIEW SCHEDULE LETTER UPDATE
DATED: FEBRUARY 2, 2023

DISTRIBUTION:

PUBLIC
NRLB R/F
GTesfaye, NRR
SGreen, NRR
BSmith, NRR
BThomson, NRR
MDudek, NRR
BPatton, NRR
BBavol, NRR
ABarrott, NRR
JKaizer, NRR
RNolan, NRR
RidsNrrDnrl
RidsNrrDnrlNrlb
RidsAcrsMailCenter
RidsOgcMailCenter

ADAMS Accession No: ML23024A126

***via email**

NRR-106

OFFICE	DNRL/NRLB: PM	DNRL/NRLB: LA	DNRL/NRLB: PM
NAME	BBavol*	SGreen*	GTesfaye*
DATE	01/24/2023	01/24/2023	01/24/2023
OFFICE	DNRL/NRLB: BC	DNRL/NRLB: D	
NAME	MDudek*	BSmith*	
DATE	01/25/2023	02/2/2023	

OFFICIAL RECORD COPY