



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

June 22, 2020

Mr. Zackary W. Rad
Director, Regulatory Affairs
NuScale Power, LLC.
1100 Circle Boulevard, Suite 200
Corvallis, OR 97330

SUBJECT: FINAL SAFETY EVALUATION FOR NUSCALE POWER, LLC TOPICAL
REPORT TR-0516-49416, REVISION 3, "NON-LOSS-OF-COOLANT ANALYSIS
METHODOLOGY"

Dear Mr. Rad:

By letter dated January 10, 2017, NuScale Power, LLC (NuScale), submitted Topical Report (TR) TR-0516-49416, "Non-Loss-of-Coolant-Accident Analysis Methodology," Revision 0, (Agencywide Documents Access and Management System (ADAMS) Accession No. ML17222A827) to the U.S. Nuclear Regulatory Commission (NRC) for review and approval.

NuScale supplemented its submittal by letter dated March 7, 2017 (ADAMS Accession No. ML17066A463). By letters dated November 26, 2019, and May 27, 2020, NuScale submitted, TR-0516-49416, Revisions 2 and 3, (ADAMS Accession Nos. ML19331A516 and ML20148M391 respectively). The NRC staff has evaluated TR-0516-49416, Revision 3, and found that it is acceptable for referencing licensing applications for the NuScale small modular reactor design to the extent specified and under the conditions and limitations delineated in the enclosed safety evaluation report (SER).

The NRC staff requests that NuScale publish the applicable version(s) of the SER listed above within 30 days of receipt of this letter. The accepted version of the TR shall incorporate this letter and the enclosed SER and add "-A" (designated accepted) following the report identification number.

CONTACT: Bruce M. Bovol, NRR/DNRL
301-415-6715

If the NRC staff's criteria or regulations change, and its acceptability conclusion in the SER is invalidated, NuScale and/or the applicant referencing the SER will be expected to revise and resubmit its respective documentation; or submit justification for continued applicability of the SER without revision of the respective documentation.

After receiving the package with the "-A" version, the SER will be made available for public inspection through the publicly available records component of NRC's ADAMS.

If you have any questions or comments concerning this matter, please contact Bruce Bavol at 301-415-6715 or via e-mail address at Bruce.Bavol@nrc.gov.

Sincerely,

/RA/

Anna H. Bradford, Director
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

Docket No. 52-048

Enclosures:

1. TR-0516-49416 SER (Public)
2. TR-0516-49416 SER (Proprietary)

cc: DC NuScale Power, LLC Listserv (w/o Enclosure 2)

SUBJECT: FINAL SAFETY EVALUATION FOR NUSCALE POWER, LLC TOPICAL REPORT TR-0516-49416, REVISION 3, "NON-LOSS-OF-COOLANT ANALYSIS METHODOLOGY" DATED: JUNE 22, 2020

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ADAMS Accession Nos.:

Pkg: ML20181A429

Letter: ML20181A432

Enclosure No. 1: ML20181A431 PUBLIC

Enclosure No. 2: ML20181A430 PROP *via email NRR-106

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