



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

May 16, 2019

MEMORANDUM TO: Andrea D. Veil, Executive Director
Advisory Committee on Reactor Safeguards

FROM: Robert Taylor, Director */RA/*
Division of Licensing, Siting,
and Environmental Analysis
Office of New Reactors

SUBJECT: NUSCALE POWER, LLC, ADVANCE SAFETY EVALUATION
REPORT FOR LICENSING TOPICAL REPORT: TR-0516-49417,
REVISION 0, "EVALUATION METHODOLOGY FOR STABILITY
ANALYSIS OF THE NUSCALE POWER MODULE"

By letter dated July 31, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16250A851), NuScale Power, LLC (NuScale), submitted Topical Report (TR)-0516-49417-P, "Evaluation Methodology for Stability Analysis of the NuScale Power Module," Revision 0, to the U.S. Nuclear Regulatory Commission (NRC) staff for review and approval in support of the application for the design certification of NuScale's small modular reactor. This version was supplemented with additional information by NuScale in a letter dated December 3, 2016 (ADAMS Accession No. ML16340A756), and allowed the staff to proceed with the detailed technical review.

Based on its review of NuScale's TR, the NRC staff prepared an advanced Topical Report Safety Evaluation (TRSE) (ADAMS Accession No. ML19135A383). The TRSE is being provided to support a meeting of the subcommittee of the Advisory Committee on Reactor Safeguards (ACRS) on June 19, 2019.

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

Docket No. 52-048

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SUBJECT: NUSCALE POWER, LLC, ADVANCE SAFETY EVALUATION REPORT FOR LICENSING TOPICAL REPORT: TR-0516-49417, REVISION 0, "EVALUATION METHODOLOGY FOR STABILITY ANALYSIS OF THE NUSCALE POWER MODULE" DATED: May 16, 2019

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