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

June 18, 2018

MEMORANDUM TO: Samuel S. Lee, Chief  
Licensing Branch 1  
Division of Licensing, Siting, and Environmental Analysis  
Office of New Reactors

FROM: Bruce M. Bavol, Project Manager */RA/*  
Licensing Branch 1  
Division of Licensing, Siting, and Environmental Analysis  
Office of New Reactors

SUBJECT: AUDIT SUMMARY FOR THE REGULATORY AUDIT OF NUSCALE  
POWER. LLC TOPICAL REPORT TR-0516-49417, "EVALUATION  
METHODOLOGY FOR STABILITY ANALYSIS OF THE NUSCALE  
POWER MODULE"

The U.S. Nuclear Regulatory Commission staff conducted an audit on June 8, 2017 – December 13, 2017, to review NuScale Power, LLC, Topical Report (TR)-0516-49417, "Evaluation Methodology for Stability Analysis of the NuScale Power Module." The purpose of this regulatory audit was to: (1) gain a better understanding of the NuScale design; (2) verify information; (3) identify information that will require docketing to support the basis of the licensing or regulatory decision; and (4) review related documentation and non-docketed information to evaluate conformance with regulatory guidance.

The enclosed audit summary describes the content of the review, identifies the audit participants, and documents audit observations.

Docket No. 52-048

Enclosures:

1. Audit Summary – (Non-Proprietary)
2. Audit Summary – (Proprietary)

**Document transmitted herewith  
contains sensitive unclassified  
information. When separated from the  
enclosure, this document is  
"DECONTROLLED."**

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

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301-415-6715

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S. Lee

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SUBJECT: AUDIT SUMMARY FOR THE REGULATORY AUDIT OF NUSCALE POWER, LLC  
TOPICAL REPORT TR-0516-49417, "EVALUATION METHODOLOGY FOR  
STABILITY ANALYSIS OF THE NUSCALE POWER MODULE"  
DATED: June 18, 2018

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**\*via email**

**NRO-002**

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