



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

November 14, 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 NUSCALE POWER, LLC TOPICAL  
REPORT TR-0915-17564, REVISION 1, "SUBCHANNEL  
ANALYSIS METHODOLOGY"

The U.S. Nuclear Regulatory Commission (NRC) staff conducted a Stage 1 audit on July 12, 2017 – August 14, 2017, followed by a Stage 2 audit on November 3, 2017 – March 19, 2018, to review Topical Report (TR) TR-0915-17564, Revision 1, "Subchannel Analysis Methodology." The purpose of the NRC's regulatory audit of NuScale TR-0915-17564, Revision 1, was to: (1) gain a better understanding of the bases underlying the NuScale Subchannel Analysis Methodology and confirm the staff's understanding; (2) better understand if the methodology meets NRC regulations and conforms to any applicable regulatory guidance; and (3) develop requests for additional information.

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

Prior to placing the public version of this document in the publicly available records component of NRC's Agencywide Documents and Access Management System (ADAMS), the NRC staff requests that NuScale perform a final review of the audit summary for proprietary or security related information not previously identified. If you believe that any additional information meets the criteria, please identify such information line by line and define the basis pursuant to the criteria established in Title 10 of the *Code of Federal Regulations*, Part 2, Section 390, "Public inspections, exemptions, requests for withholding."

CONTACT: Bruce Bavol, NRO/DLSE  
301-415-6715

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S. Lee

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If after a 10-day period, you do not request that all or portions of the audit summary be withheld from public disclosure, the public version of this document will be made available for public inspection through the publicly available records component of NRC's ADAMS.

Docket No. 52-048

Enclosures:

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

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

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SUBJECT: AUDIT SUMMARY FOR NUSCALE POWER, LLC TOPICAL REPORT TR-0915-17564, REVISION 1, "SUBCHANNEL ANALYSIS METHODOLOGY,"  
DATED: November 14, 2018

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**\*via email**

**NRO-002**

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