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March 5, 2018

MEMORANDUM TO: Samuel S. Lee, Chief  
Licensing Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

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

SUBJECT: AUDIT SUMMARY FOR NUSCALE POWER, LLC DESIGN  
CERTIFICATION APPLICATION CHAPTER 4, "REACTOR"; CHAPTER  
5, "REACTOR COOLANT AND CONNECTING SYSTEMS"; AND  
CHAPTER 9, "AUXILIARY SYSTEMS"

The U.S. Nuclear Regulatory Commission staff conducted an audit May 3, 2017, to November 29, 2017. The purpose of this regulatory audit of NuScale Power, LLC's (NuScale) subject line chapters 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 audit exit observations.

Docket No. 52-048

Enclosures:

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

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

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

CONTACT: Bruce M. Bavol, NRO/DNRL  
301-415-6715

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**\*via email**

**NRO-002**

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