

September 27, 2017

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

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

SUBJECT: AUDIT SUMMARY FOR NUSCALE TOPICAL REPORT
TR-0116-21012, "NUSCALE POWER CRITICAL HEAT FLUX
CORRELATION NSP2," REVISION 0

The U.S. Nuclear Regulatory Commission (NRC) staff conducted an audit June 13-15, 2017, to review Topical Report (TR) TR-0116-21012, Revision 0, "NuScale Power Critical Heat Flux Correlation NSP2." The purpose of TR-0116-21012 is to provide the bases for NRC approval to use the NSP2 critical heat flux correlation in VIPRE-01, within its range of applicability, along with its associated correlation limit, for the NuScale Design Certification Application and safety analysis of the NuScale Power Module with NuFuel-HTP2™ fuel.

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

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enclosure, this document is
"DECONTROLLED."

Project No. 0769

Enclosures:

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

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

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

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“NUSCALE POWER CRITICAL HEAT FLUX CORRELATION NSP2,” REVISION 0

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