



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

March 15, 2019

MEMORANDUM TO: Jennivine Rankin, Acting Chief
Licensing Branch 3
Division of Licensing, Siting, and Environmental Assessment
Office of New Reactors

FROM: Mallecia A. Sutton, Senior Project Manager */RA/*
Licensing Branch 3
Division of Licensing, Siting, and Environmental Assessment
Office of New Reactors

SUBJECT: SUMMARY REPORT FOR THE ENVIRONMENTAL AUDIT OF PART 3
OF THE NUSCALE DESIGN CERTIFICATION APPLICATION

By letter dated December 31, 2016, NuScale Power, LLC (NuScale), submitted its Design Certification Application (DCA) to the U.S. Nuclear Regulatory Commission (NRC) for review (Agencywide Documents Access and Management System (ADAMS) Accession No. ML17013A229). On March 15, 2017, the NRC staff accepted the DCA for docketing and initiated its technical review.

The NRC staff conducted an audit from August 14, 2017, to February 28, 2018, of the documentation supporting the DCA Part 3, containing "Applicant's Environmental Report – Standard Design Certification," herein denoted as the Environmental Report (ER). The NRC staff audited the methodology, models, assumptions, and calculation packages in support of the ER. The audit plan used to support these interactions can be found under ADAMS Accession No. ML17179A287, and the audit summary is under ADAMS Accession No. ML18143B667.

The NRC staff identified a need for a second environmental audit of NuScale's design and severe accident mitigation design alternatives. In doing so, the NRC staff audited the supporting information presented in Revision 1 of the ER, including non-docketed supporting documents. The NRC staff also determined an audit would be needed in identifying and resolving specific information needs to support the NRC staff's independent evaluation and confirmatory analysis for the regulatory findings required under Title 10 of the *Code of Federal Regulations* Part 51 (see Appendix B for the list of information needs).

CONTACT: Mallecia A. Sutton, NRO/DLSE
301-415-0673

J. Rankin

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The audit began October 16, 2018, and ended on November 30, 2018. The audit summary report is enclosed.

Docket No.: 52-048

Enclosure:

As stated

cc w/encl.: NuScale DC ListServ

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