



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

November 1, 2019

MEMORANDUM TO: Michael I. Dudek, Chief
New Reactor Licensing Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

FROM: Omid Tabatabai, Senior Project Manager */RA/*
New Reactor Licensing Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION STAFF AUDIT
SUMMARY REPORT FOR THE REGULATORY AUDIT OF
NUSCALE POWER, LLC CONTAINMENT AND VENTILATION
SYSTEMS

On January 6, 2017, NuScale Power, LLC (NuScale) submitted a design certification (DC) application, for a small modular reactor, to the U.S. Nuclear Regulatory Commission (NRC) (Agencywide Documents Access and Management System (ADAMS) Accession No. ML17013A229). The NRC staff started its detailed technical review of NuScale's design certification application (DCA) on March 27, 2017.

On April 3, 2017, the NRC staff began an audit of the NuScale's non-docketed information to confirm the basis for the safety conclusions made in the applicant's DCA, Tier 2, including Chapter 6, "Engineered Safety Features," and Chapter 15, "Transient and Accident Analyses." The NRC staff's audit plan dated March 29, 2017, and the addendum, dated June 28, 2017, are available in ADAMS with Accession Nos. ML17087A077 and ML18177A087, respectively.

The audit was conducted in accordance with the NRC, Office of New Reactors (NRO), Office Instruction NRO-REG-108, "Regulatory Audits." The public and non-public versions of the Audit Summary Report are in ADAMS with accession numbers ML19308A061 and ML19308A058, respectively.

Docket No. 52-048

cc: DC NuScale Power, LLC Listserv

CONTACT: Omid Tabatabai, NRR/DNRL
301-415-6616

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION STAFF AUDIT SUMMARY
REPORT FOR THE REGULATORY AUDIT OF NUSCALE POWER, LLC
CONTAINMENT AND VENTILATION SYSTEMS
DATED: NOVEMBER 1. 2019

DISTRIBUTION:

PUBLIC
NRLB R/F
MDudek, NRR
SLea, NRR
OTabatabai, NRR
SGreen, NRR
SHaider, NRR
RKaras, NRR
CAshley, NRR
AMGrady, NRR
RKaras, NRR
RidsOgcMailCenter
RidsOpaMailCenter
RidsAcrcMailCenter

ADAMS Accession Nos.:

Package: ML19308A041

Memo: ML19282C504

Audit Summary Report – Public: ML19308A061

Audit Summary Report – Non-Public: ML19308A058 *via email NRC-001

OFFICE	NRR/DNRL/NRLB: PM	NRR/DNRL/NRLB: LA	NRR/DNRL/NRLB: PM
NAME	OTabatabai	SGreen	OTabatabai
DATE	10/11/2019	10/16/2019	11/1/2019

OFFICIAL RECORD COPY