

August 3, 2022

Docket No. 99902078

U.S. Nuclear Regulatory Commission
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Rockville, MD 20852-2738

SUBJECT: NuScale Power, LLC Submittal of Presentation Materials Entitled "NuScale US460 SDA QAPD LTR Pre-Application Meeting," PM-121281, Revision 0 (Open Session)

NuScale Power, LLC (NuScale) has requested a meeting with the NRC technical staff on August 11, 2022, to discuss NuScale US460 SDA QAPD LTR submission.

The purpose of this submittal is to provide presentation materials to the NRC for use during this meeting.

The enclosure to this letter is the nonproprietary version of the presentation entitled "NuScale US460 SDA QAPD LTR Pre-Application Meeting."

This letter makes no regulatory commitments and no revisions to any existing regulatory commitments.

If you have any questions, please contact Stephanie Terwilliger at 541-452-7617 or at sterwilliger@nuscalepower.com.

Sincerely,



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Enclosure: "NuScale US460 SDA QAPD LTR Pre-Application Meeting," PM-121281, Revision 0 (Open Session)

Enclosure:

“NuScale US460 SDA QAPD LTR Pre-Application Meeting,” PM-121281, Revision 0
(Open Session)

NuScale Nonproprietary

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NuScale US460 SDA QAPD LTR Pre-Application Meeting (Open Session)

August 11, 2022

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Acknowledgement and Disclaimer

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Agenda

- Meeting Purpose
- Background
- Updates from Design Certification Application (DCA) Approved Topical Report
- Summary

Meeting Purpose

- This pre-application meeting is intended to promote acceptance of upcoming Quality Assurance Program Description (QAPD) Topical Report submission, by ensuring NRC staff reviewer understanding of changes since the DCA QAPD submittal.

Background

- In support of the NuScale DCA, a QAPD Topical Report was submitted and approved
 - Quality Assurance Program Description for the NuScale Power Plant, NP-TR-1010-859-NP-A, Revision 5
 - Approved by safety evaluation report (SER) dated June 12, 2020
- Supporting work for NuScale Standard Design Approval Application (SDAA), QAPD Topical Report MN-122626, “NuScale Power, LLC Quality Assurance Program Description,” will be submitted for NRC review and approval, and will be referenced in the NuScale SDAA.

QAPD Updates, DCA to SDAA

- No reductions in commitment
- Expanded scope to include SDAA
 - Added acronym definitions for SDA and SDAA
 - Removed DCA-specific language
- Enhanced language to support NuScale International Organization for Standardization (ISO) 9001 certification
 - Added acronym definitions for ISO
 - Added ISO 9001- and international-specific language where relevant and applicable
- Organizational Changes
 - Reflective of NuScale transition to public company and shifting focus to Operations and Delivery
 - Added title of President
- Minor administrative changes to add clarity and eliminate duplication
 - Reorganized content into different sections as needed for clarity
 - Moved duplicative statements of “Quality Assurance Program Requirements for Nuclear Facilities” (NQA-1) commitments into Scope, except for where exceptions are listed
 - Added acronym definitions as needed

QAPD Updates, DCA to SDAA

- Updates to NRC Regulatory Guidance document references
 - Regulatory Guide 1.26, “Quality Group Classifications and Standards for Water-, Steam-, and Radioactive-Waste-Containing Components of Nuclear Power Plants”
 - Updated from Revision 4 to Revision 6
 - Regulatory Guide 1.29, “Seismic Design Classification”
 - Updated from Revision 4 to Revision 5
 - Regulatory Guide 1.189, “Fire Protection for Operating Nuclear Power Plants”
 - Updated from Revision 2 to Revision 3
 - Regulatory Guide 1.8, “Qualification and Training of Personnel for Nuclear Power Plants”
 - Reference removed

QAPD Updates, DCA to SDAA

- Updates to NRC Regulatory Guidance document references (con't)
 - Regulatory Guide 1.28, “Quality Assurance Program Requirements (Design and Construction)”
 - Retaining overall conformance to RG 1.28 Revision 4
 - Retaining conformance to American Society of Mechanical Engineers (ASME) NQA-1-2008 and NQA-1a-2009 addenda editions
 - Updates to reflect alignment with regulatory positions in RG 1.28 Revision 5 (current)
 - Qualifications for lead auditors based on audit participation (Regulatory Position 1.a.(1))
 - Updated conformance to Nuclear Information and Records Management Association, Inc. (NIRMA) Technical Guides (TGs) from 1998 to 2011 (Regulatory Position 3.b.(1))
 - Updated conformance to ISO/IEC 17025, “General Requirements for the Competence of Testing and Calibration Laboratories,” as endorsed by NEI 14-05A Rev 1 (Regulatory Position 2.1.(1))

QAPD Updates, DCA to SDAA

- Added language to clarify our position on NQA-1 requirements for audits.
- Added provisions for conduct of remote source verification and audits during exigent conditions according to the following Electric Power Research Institute (EPRI) technical reports:
 - EPRI Topical Report TR-3002019436-A, “Remote Source Verification During a Pandemic or Similar State of Emergency – Screening Criteria and Process Guidance”
 - EPRI Topical Report TR-3002020794, “Remote Assessment Techniques: Planning and Conducting Audits and Surveys Using Remote Techniques During Exigent Conditions”

Questions?

Acronyms

ASME	American Society of Mechanical Engineers
DCA	design certification application
EPRI	Electric Power Research Institute
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
NRC	Nuclear Regulatory Commission
NEI	Nuclear Energy Institute
NIRMA	Nuclear Information and Records Management Association
NQA	nuclear quality assurance
QA	quality assurance
QAPD	quality assurance program description
RG	(NRC) regulatory guide
SDA	standard design approval
SDAA	standard design approval application
SER	safety evaluation report
SMR	small modular reactor
TG	technical guide