



March 15, 2018

Docket No. 52-048

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
One White Flint North  
11555 Rockville Pike  
Rockville, MD 20852-2738

**SUBJECT:** NuScale Power, LLC Submittal of Submittal of the NuScale Standard Plant Design Certification Application, Revision 1

**REFERENCES:**

1. Letter from NuScale Power, LLC to U.S. Nuclear Regulatory Commission, "NuScale Power, LLC Submittal of the NuScale Standard Plant Design Certification Application (NRC Project No. 0769)", dated December 31, 2016 (ML17013A229).

NuScale Power, LLC (NuScale) is pleased to submit to the U.S. Nuclear Regulatory Commission (NRC) Revision 1 of the NuScale Standard Plant Design Certification Application (DCA) in accordance with the requirements of 10 CFR 52, Subpart B, Standard Design Certifications. NuScale requests NRC review, approval, and granting of standard design certification for the NuScale Standard Plant Design.

The Revision 1 of NuScale DCA includes the following parts:

Part 1, "General and Financial Information" - Part 1 provides general and financial information in accordance with the requirements of 10 CFR 52.46 and pursuant to 10 CFR 50.33(a) through (c) and (j).

Part 2, Tier 1 and 2, "Final Safety Analysis Report" - Part 2, Tier 1 and 2 provide the NuScale Final Safety Analysis Report in accordance with 10 CFR 52.47(a).

Part 3, "Applicant's Environmental Report - Standard Design Certification" - Part 3 provides the NuScale Environmental Report in accordance with 10 CFR 52.47(b)(2) as required by 10 CFR 51.55.

Part 4, "Technical Specifications" - Part 4 provides the NuScale Technical Specifications and Bases in accordance with 10 CFR 52.47(a)(11); the Technical Specifications and Bases are referenced in Part 2, Tier 2 Chapter 16.

Part 5, "Emergency Plans" - Emergency plans are not applicable to design certification applications and, therefore, not provided in this application.

Part 6, "Security Plans" - Security plans are not applicable to design certification applications and, therefore, not provided in this application.

Part 7, "Exemptions" - Part 7 provides exemption requests necessary to accommodate the unique safety features of the NuScale SMR.

Part 8, "License Conditions; Inspections, Tests, Analyses & Acceptance Criteria" - License Conditions; Inspections, Tests, Analyses & Acceptance Criteria (ITAAC) have been developed in accordance with 10 CFR 52.47(b)(1). The ITAAC are located in Chapters 2 and 3 of Part 2, Tier 1 and are based on information found in Part 2, Tier 2. The description of the process used to develop the ITAAC is provided in Part 2, Tier 2, FSAR Section 14.3. License conditions are not applicable to the design certification applications.

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Part 9, "Withheld Information" - Part 9 identifies the location of security-related information within the FSAR that is to be withheld from public disclosure in accordance with 10 CFR 2.390.

Part 10, "Quality Assurance Program Description" - In accordance with 10 CFR 52.47(a)(19), NuScale Topical Report NP-TR-1010-859-A, Revision 3, "NuScale Topical Report: Quality Assurance Program Description for the NuScale Power Plant (QAPD)" is referenced in Part 2, Tier 2, FSAR Section 17.5.

The DCA Revision 1 is being submitted electronically, as Enclosures 1 and 2, on two digital versatile discs (DVDs).

- Enclosure 1 (DVD 1) includes certain information, designated in accordance with NRC guidance as sensitive unclassified nonsafeguards information (SUNSI) and referred to as security-related information (SRI), that is to be withheld from public disclosure under 10 CFR 2.390.
- Enclosure 2 (DVD 2) omits the SUNSI/SRI mentioned above and is suitable for public disclosure.

Please contact Thomas A. Bergman, Vice President, Regulatory Affairs at 541-360-0740 if you have any questions.

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

Sincerely,



Thomas A. Bergman  
Vice President, Regulatory Affairs  
NuScale Power, LLC

Enclosure 1: DVD 1, NuScale Standard Plant Design Certification Application Revision 1, Non-Public Version-Withhold Under 10 CFR 2.390

Enclosure 2: DVD 2, NuScale Standard Plant Design Certification Application Revision 1, Public Version-NuScale Nonproprietary