



LO-0720-70835

July 29, 2020

Docket Number: 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 the NuScale Standard Plant Design Certification Application, Revision 5

**REFERENCE:** Letter from NuScale Power to NRC, "NuScale Power LLC, Submittal of the NuScale Standard Plant Design Certification Application, Revision 4.1," dated June 19, 2020 (ML20198M392)

NuScale Power, LLC (NuScale) is pleased to submit to the U.S. Nuclear Regulatory Commission (NRC) Revision 5 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. Although there were no changes to Parts 1, 3, 4, 5, 6, 8, or 9, DCA footers are updated to indicate Revision 5 for consistency throughout the application.

Revision 5 of the 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 FCFR 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.

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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, are not provided in this application.

Part 7, "Exemptions" – Part 7 provides exemption requests necessary to accommodate the unique safety features of the NuScale Power Plant.

Part 8, "Licensing 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, Final Safety Analysis (FSAR) Section 14.3. Licensing conditions are not applicable to the design certification applications.

Part 9, "Withheld Information" – Part 9 identified 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-NP-A, Revision, is referenced in Part 2, Tier 2, Section 17.5.

The DCA Revision 5 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.

Thomas Bergman, Vice President Regulatory Affairs  
July 29, 2020

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Please contact Zackary W. Rad, Director, Regulatory Affairs at 980.349.4831 if you have any questions.

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



**Thomas Bergman**  
Vice President, Regulatory Affairs

- Enclosure 1: DVD 1, NuScale Standard Plant Design Certification Application Revision 5, Non-Public Version-Withhold under 10 CFR 2.390
- Enclosure 2: DVD 2, NuScale Standard Plant Design Certification Application Revision 5, Public Version-NuScale Nonproprietary